'DISCOVERY CONSUL

December 23

New Single Family Residence + Outbuildings

Atelier 010110 Architecture + Urbanism Inc. Lethbridge, Alberta Canada

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'Discovery Consultation' - Needs & Options Review / Pre-Design Report

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NEW SINGLE FAMILY RESIDENCE + OUTBUILDINGS

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515 Blackfoot Manor West T1K 7X7 Lethbridge Alberta Canada

November 25, 2016

T +1 **587.800.3365** hello@010110.ca

> Re: New Single Family Residence + Outbuildings

David Spencer Court

Principal Architect

AAA RAIC LEED AP SCUP M.Arch (Hon.) B.Env.Design

Dear XXXXX:

As principal architect of One One Ten, I am please to submit d Consultation' ogether to define the deliverable as a Pre-Design phase report summarizing our rece work problem that is to be solved through design.

"A problem well stated is a problem half-solved." ~ Ch **t**tering

This document serves as a record of our assessmen t of your project requirements and is organized to provide a framework of valuable information minary thoughts and a few options to consider during the schematic design phase help you and your team move forward. We believe your investment will greatly improve the ablity of a successful final design and project outcome when completed.

We believe that the best work of wn to strong relationships and our ability to work together with people who value ard fite and the emotive aspects of place making when aligned to reach a shared vision and y functional requirements. We have demonstrated our ongoing ergies in a team environment to best ensure quality architecture, commitment to develo rigorous functional des nd exceptional project delivery.

working with you and hope our relationship will continue as you progress I have very n toward subseq nt stages of design and eventually construction.

floor free to contact me should you have any specific questions in regard to this document or Please fe kt steps in greater detail.

ou in advance for your consideration.

nd regards,

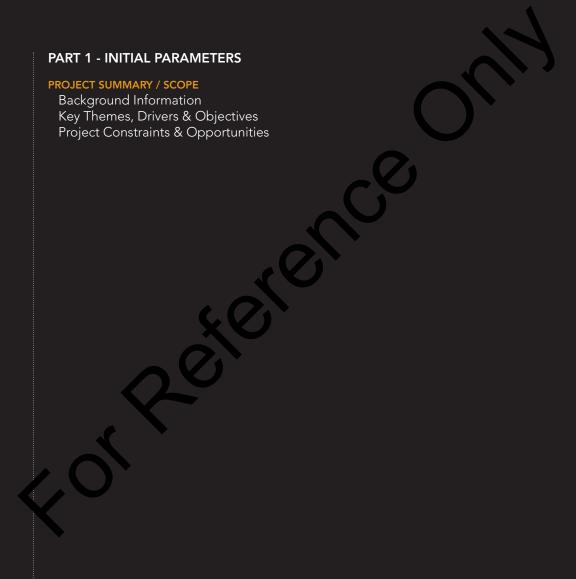
D. Spencer Court AAA RAIC LEED AP SCUP

Principal Architect

spencer@010110.ca

Think well to the end, consider the end first. ~ Leonardo da Vinci

or Reference





If our artistic rhythms - a result - are to be significant, our prior meditations - the cause - must be so. ~ Louis H. Sullivan

BACKGROUND INFORMATION

SITE ADDRESS

49.6935° N, 112.8418° W Elevation: ~910 m (2,985.6 ft)

Solar Altitude: 16.92° (Dec 21) to 63.75° (June 21)

CLIMATE DATA

Ave. Annual Temperature: 5.4 °C

Normal Temperature Range: -13 °C to 26 °C Mean Annual Relative Humidity: 52% to 74%

Annual Sunshine: 2,507 hrs Annual Precipitation: 392 mm

Ave. Annual Snowfall: 112.4 cm (44 Ave. Annual Rainfall: 276.7 mn Wind Speed: 40km/h (for

Direction: W, WSW

STAKEHOLDER/CLIENT

The client and prim iolder group x including two parents, consists of t projec decisions, and four children making joir 4 and 15. The family also between th ages g has a variety of small indoor and outdoor pets a large dog and tentative future plans nrodate other animals. to a

& SITE ATTRIBUTES

roperty comprises approximately 15 acres of urban fringe of acreage non-agricultural designation just east of the Lethbridge city limits within the County of Lethbridge. Approximately 8 acres of land to the west are pastured to the neighbour's cows to keep weeds in control.

The site contains an existing two storey dwelling currently in use by the family, several outbuildings (a chicken coop, storage sheds), a recreational dug-out and a mix of berms and open areas. Various deciduous trees line the west side of the entrance road loosely dividing



Gated north property entrance approach and the existing dwelling beyond.

You have to absorb what you see around you, what exists on the land, and then use that knowledge along with contemporary thinking to interpret what you see. ~ Tadao Ando

the land between grazing pasture and domestic uses. Additional deciduous and coniferous trees punctuate the gravel drive lane which loops in front of the dwelling and returns back to the access road. The site offers various spontaneous forms of use - small projects are envisioned and constructed on the acreage and recreational activities happen during all seasons (swimming in the pond, raising chickens, playing basketball, gardening, building skate board ramps or bike jumps, skating and toboggan behind a truck).

The site is enclosed by a barbwire fence a large entrance gate at mid point to north boundary of the property aga gravel road on the west and no adjacent property owner for the length of the prope shallow irrigation canal th-south against the east most perimet r ite services include City pg d below grade tural gas. The above utilities for e line runs east-west along the grade pole hyd north boundary of the property against the township oad. There is an existing on-site septic eld and below grade septic tank rth of the existing dwelling.

The site is largely flat, the existing dwelling ccupying the prime high point. An analysis of flood-prone areas should be undertaken as part of the site planning exercise with topographical survey information on hand as a resource. The on-site dugout is located in the south-east corner of the property, with its former excavated material to the immediate north.

ZONING

The property is zoned as Lethbridge Urban Fringe (LUF) in the County of Lethbridge Land-Use Bylaw 1404 (2013). A Development Permit

application will be received and must conform to all minimum criteria equipments set out in the Land-Use By Jaw.

GOVERNANC REQUIR MENTS

Future work mean comply with applicable bylave, afety codes and requirements of the authorized having jurisdiction (AHJ). All work is code empleted in conformance to the Alberta Building Code (2014) for Part 9 - Housing and Sean Buildings, the National Energy Code for Suildings (2011) and the Land-Use Bylaw in force for the County of Lethbridge where the property resides.

EMERGENCY SERVICES (FIRE)

The closest emergency fire response station is Firehall No. 3 in south Lethbridge - at most approximately 10 minutes travel time away. Fire access typically dictates road requirements and additional safety measures such as a dedicated cistern on site supplying a sprinklered home.

OTHER DOCUMENTS

No architectural controls or design guidelines currently apply to this property.

A topographical land survey indicating the metes and bounds of the property, all existing services and the location of structures, mature trees and important land features will be necessary for the client to obtain prior to the commencement of design work.

A geotechnical investigation of soil conditions may or may not be required by a structural engineer.

If you have total freedom, then you are in trouble. It is much better when you have some obligation, some discipline, some rules. ~ Renzo Piano

KEY THEMES, DRIVERS & OBJECTIVES

xxx: "I have no specific style or fixed idea of what I want aesthetically....eclectic, modern, prairie... all are appealing to me but I am most concerned with function at multiple stages of life and the incorporation of land space into plan."

xxxxx: "I am concerned with making a reasonable plan that is both financially responsible as well as intelligent, conductive moderate lifestyle, while leaving room for solve possible indulgence and beauty."

KEY THEMES

xxxxhas romantic ideas about rural living, having grown up on an acreage. He likes to spond as much time as possible out idea the sunshine because he spends most hours of the day in a dark room. In aht and physical movement are xxxx yall sole to him.

The xxxx' ofter cintertain extended family and guests 3 or more times a week, which can number anywhere from 6 to 50 extra people.

PRO ECT C RJECTIVES

The ey objective of the project is to develop in overall land use plan for property, design a new primary residence with related outbuildings and create a consistent vision to meet client requirements through progressive stages of life over the next 20 to 40 years. Specific consideration includes the necessity, function and aesthetic design of the new residence and defining a scheme that capitalizes on the attributes of the site.

Stakeholder lifestyle generally includes raising an active family for the next 14-15 years and transition planning for an "empty nester" lifestyle with fewer family visits where the home begins to accommodate the families of their children and grandwildre

Present activities include all the domestic activities of aising a family - developing a safe home and sanctary, entertaining, lunching kids as well as facilitating parental and extended family site.

STAKE HOLDER/CLIENT CONCERNS

ncertainty on the client's part about where and how to plan best use of property, how to design the new residence and go about the building process. The client expressed they feel like a non-expert requiring professional guidance and advice and appreciate the idea of having a 3rd party to offer objectivity and constructive critique to improve the outcome and look forward to discussion that combines ideas and reaches consensus between spouses as well as is a collaborative dialogue between architect/designer and client.

The client expressed a desire to participate in a process that would increase their own initiative to take action and give them a better chance of successfully moving forward with the proper support, resources and motivation. Their aim is to develop an overall plan that will integrate their interests and help to sensibly re-allocate land areas for use and activity as necessary. The client is concerned about efficient use of space and a propensity to minimize labour.

Client observations include insufficient quantities and types of spaces for functional living, both indoor and out, as well as poorly utilized spaces in the existing dwelling. Aesthetic appeal and execution is believed to be poor inside and out and the client wishes to integrate "some style."

My goal is to strip things down, not so that they become inhuman but so that you need just the right amount of words or shape to convey what you need to convey. ~ Maya Lin

At this stage the client feels there are no fixed time lines but they would like to begin working towards a new land use plan and residence as soon as possible.

PROJECT CONSTRAINTS & OPPORTUNITIES SITE CONDITIONS

General guidelines for residential site planning include orientation to take advantage of solar exposure and deal with the impacts of wind (or create opportunities for controlled natural ventilation); the use and enhancement of tun amenities; provision for views and context delineation of private and public areas; and use attention to all regulatory requirements

The site itself is large enough to somider various forms of dwelling, but the site lends itself to single storey building achorings slung across the landscape meeting a fin sament of changing light conditions.

In order to comply with the Land-Use Bylaw and current lot zoning, the existing residence will remire elocation (only one principal dwelling a permitted). Agreement from the County of Lethbridge will be sought prior to a Development Permit application to confirm the land use plan or scheme along with tentative time lines to ensure the dwelling can be lived in during the course of construction with a plan to sell the structure and relocate it property ensues shortly thereafter.

It is possible the ideal location to site the new residence may be immediately adjacent to or overlap with the siting of the existing home in order to maintain access, reasonable proximity to existing services and mitigate extraneous or unnecessary costs). These concerns should be

addressed and determined by the overall criteria developed for the kind-use plan.

Re-use or demolitic of the existing dwelling foundation or othe structures) may become an attribute were investigating among site planning activities, but phasing will be a key planning activity requiring explanation to the and a desortentially the contractor.

A bugh it was not a primary client concern, stablishing priorities for resource conservation in terms of saving energy and conserving water use could be addressed via the building design.

Measures to create a day lit, durable, healthy, low-impact building of longevity were understood as positive design opportunities to be discussed in greater detail during subsequent stages.

Accessibility, as it pertains to potentially changing family needs over time - especially as people age in place - could also be considered during later stages to ensure the new residence can be utilized or easily adapted in the future.

The building program carries many opportunities to align spaces in the greatest habitable formations that define public and private space, protected outdoor space and careful viewpoints - all unfettered from limiting distances to adjacent dwellings or the usual shallow property line setbacks in urban areas.

Seismic design considerations should not be a factor for the design of this project.

PART 2 - PRE-DESIGN ANALYSIS & OPTION OUTCOMES

PROGRAM & OPTION SKETCHES

Architectural Space Program / Needs & Options Analysis Functional Relationships Site Planning Early Design Thinking & Assumptions Massing Options

PROJECT IMPLEMENTATION, FEASIBILITY & RISK

Feasibility & Risk Analysis Project Timeline Opinion of Probable Construction Cost Total Project Cost

When an architect is asked what his best building is, he usually answers, "The next one." ~ Emilio Ambasz

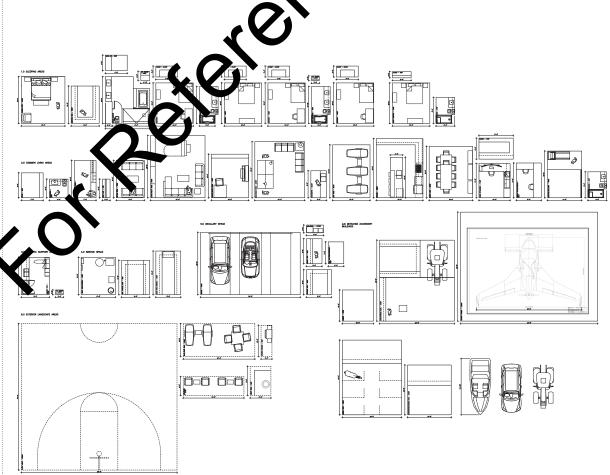
to vereing on the contract of the contract of

From where stems the idea that our streets should look as if they were created by the same client or the same architect? Diversity, and not its opposite, is amusing. ~ Günter Behnisch

ARCHITECTURAL SPACE PROGRAM / NEEDS & OPTIONS ANALYSIS

A key component of the Pre-Design Report is the development ectural Space Program. This program framework seeks to define the "problem" in ord decision-making process, determine a clear scope of work and criteria for a succ ssful s ution that are to be solved through activities of design.

Below are 'blocks' of net usable space represented cate ly in the Architectural Space veloped with the client during the Program. A detailed Architectural Space Program consultation process can be found in the appendic



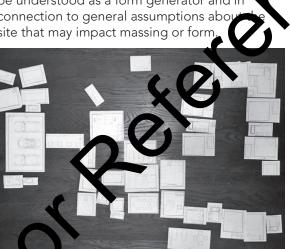
Block components of net usable space represent the sum of program parts later used to develop adjacencies and stacking concepts during a 'gaming' workshop.

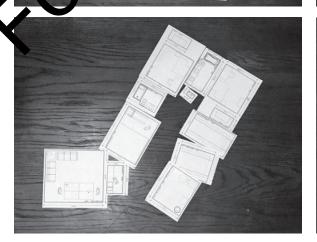
FUNCTIONAL RELATIONSHIPS

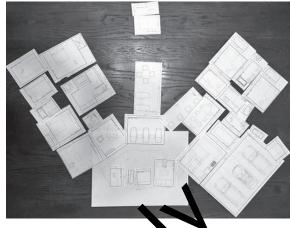
"GAMING" PROGRAM ITERATIONS

Program components were used as play pieces in a fluid exercise to quickly illicit different functional relationships, combinations and forms between specific program elements. The approach facilitates an opportunity to test initial ideas that prioritize order and spatial hierarchy, define public and private groupings of space and account for support spaces beside related program elements. Each iterative snapshot reveals a new examination of program where the stakeholder can freely discard ideas that do not appear to perform the way they envision. The exercise is an intuitive precursor to design thinking in a fun accessible way and can be easily re-configured without going through the process of sketching floor plan layouts.

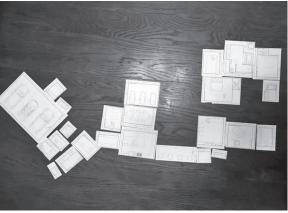
The conceptual exercise also forms the basis of a blocking and stacking plan that can be understood as a form generator and in connection to general assumptions abo site that may impact massing or form

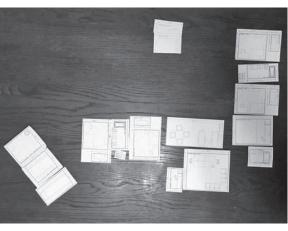












What if building were more like a nest? If it were, it would be made out of local, abundant materials. It would be specific to its site and climate. ... It would be just what it needed to be. ~ Jeanne Gang

EARLY DESIGN THINKING & ASSUMPTIONS

The expansive relatively flat site provides many opportunities for siting new structures. The pragmatic factors influencing this are accessibility from roadways, existing infrastructure (gas, hydro power, city water and septic field locations) and our climate with high annual sunshine and strong winds.

Contextually, prairie areas where the sky stretches broadly tends to illicit building form that expand laterally across the land in scale without drawing attention to th These forms carry deep protected e that provide shade or reflect lig into structures. Sometime are punctuated with a sing or vertical element (maj entrance or elevating a view for a c living space).

Materially, dv be imbued with a visual in organic extension of the language that is landscape utilizin materials in a careful palette of earth 1 nes or in the raw, natural execution of d building products.

on of the landscape to the interior is often facilitated by blurring boundaries of the terior container or shell - where exterior walls shift past glazing to the interior and a prime axis of circulation ends in a crafted view or point of light. A connection to the sky via clerestory glazing can further create a floating effect for a simple sloping roof structure that can appear to lift and peel back the heavens.

Addressing topography, or introducing subtle changes of the ground surface along points of entry can often heighten a connection to the land.

RELEVANT PRECEDEN

xxxxx is not really se to describe what she ection with outdoors and e inclined to more rock, landscape. wood, glass and di erent tone's of wood over not to say I don't like that)... in would pick a flower print over black ed find some designs too industrial and

loves wood and exposed panelling. xxxxx as preferences towards stone and homes that integrate well with the landscape or ground.

xxxxx is looking for something grand in a house but doesn't have a fixed style preference (other than he likes things to look expensive!).

Precedent projects we discussed in addition to others are sourced below:

Los Altos Residence, Los Altos, California http://bcj.com/projects/los-altos-residence

Independence Pass Residence Aspen, Colorado http://bcj.com/projects/independence-pass-residence/

Lily lake, Northeast Pennsylvania http://bcj.com/projects/lily-lake-residence/

Other notable projects include the Halls Ridge & Block Island Residences (BCJ) and D'arcy Jones' Island and Ha-Ha Houses:

http://www.darcyjones.com/residential/#/island-house

http://www.darcyjones.com/in-progress/#/ha-ha-house

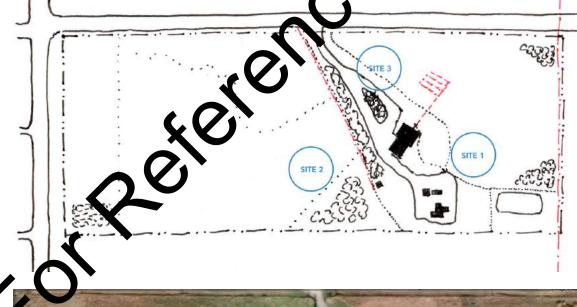
The design of buildings in natural settings, whether urban or rural, must be responsive to the earth out of which they arise and the sky against which they are seen. ~ James Polshek

SITE PLANNING

SITING OPTIONS

Considerations for siting a new principal dwelling should address t of opportunities and constraints unique to the existing property and capitalize on p ential d esign considerations of the dwelling itself.

Three potential areas are indicated in the diagram belo all have various benefits and impacts:





Above, schematic sketch of existing site with proposed siting areas for a new principal dwelling. Below, aerial site photograph capture from Google Maps

U10110

SITE PLANNING APPROACHES

The prairie acreage setting at the fringe of an urban centre offers wide and orientation of the property. The current configuration of dv guildings and introduced features of tree breaks and pond provide a sound framework to on and enhance through build i careful consideration. There is opportunity to firmly site a cont tual d elling in a poetic way that responds to our landscape with a seemingly endless horizon and d quality of light.

The configuration of the new home should address win itions regardless of planned site wind breaks and create protected wind shadow areas to tdoor use by virtue of its form. The existing dwelling and related buildings should be valuated for adaptation or re-purposing in all options. For example, the dwelling foundation re-usable for a new structure.

More prudent factors to consider includ ciency of remaining adjacent to existing hydro, Low lying areas should be avoided and reasonable natural gas services and the septic field distance from the gravel road on the wes north will provide better control of dust and The long band of trees running diagonally through the east separation from vehicular traffic ady wind protection. of centre of the site provide

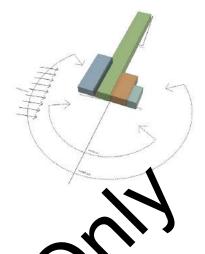
SITE PLAN OPTION 1 - \$\$

Consideration for a sit to the property affords an ability to continue utilizing the present configuration ard landscaping, adjacency to the existing septic field and the mity to the recreational amenity of the dug-out and grouping of outbuildings. convenience This location l s pastured land as an untouched resource and builds upon the existing road configuration and ervices. It provides an ability to expand with minimal site disturbance.

itails a 'restart' utilizing untouched pasture lands to the west to create a new scheme sting areas to be developed as an outbuilding precinct. It is the more costly scenario equiring a new access road entry point from the west end of the property running parallel to the outh edge. This site would require a new septic field to the north low lying area where odors under Devailing winds will not conflict. The natural gas line and electricity connection is in close proximity. Future outbuildings are planned to the east re-utilizing the location between house and dug-out area. The new road could be constructed in part by re-purposing existing excavated mounds evident across the site in combination with excavated material from the new dwelling. The exposure offers open views and good south exposure but does so close to neighbouring activities.

SITE PLAN OPTION 3 - \$\$

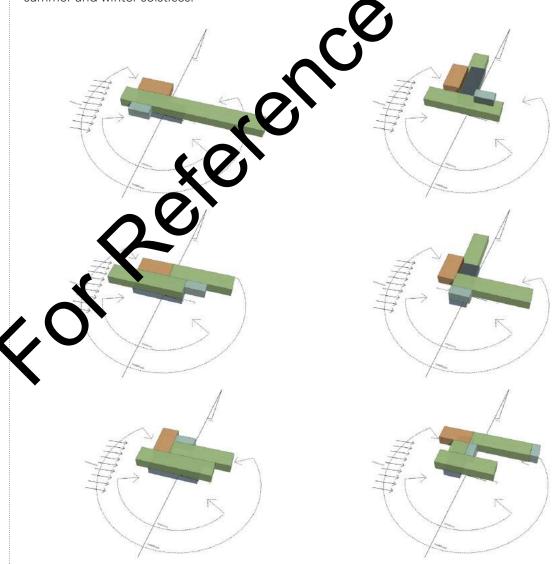
Although close to the north road, the concept utilizes the existing road access and predicts a dwelling that extends toward the east with the roadway wrapping around the south west corner. The residence is introduced upon passage through the entry gate prior in hierarchy with other structures. As in option 1, adjacency for tying into the existing septic field and natural gas line is effective albeit at greater distance from the existing outbuilding precinct and dug-out area.



MASSING OPTIONS

EARLY PROGRAM MASSING CONCEPTS

Below are several massing options that correspond to distribut reas noted as components of main floor, basement, garage support and exte hed gross areas. The are ior atta sited in a simple way that responds to the prevailing wind direct solar exposures during peak summer and winter solstices.



Legend at top right: Base program volumes include the garage (blue), main floor (green), garage (brown) and exterior space (teal).

A product often becomes more useful if the costs are lowered without harming the quality. ~Charles Eames

FEASIBILITY & RISK ANALYSIS

The risks that confront projects have become more unpredictable and potentially catastrophic. By engaging us early in the planning phase, well before design criteria are set, your resiliency to risk has increased. Our work together has identified a general scope and vision for the project with further options or criteria to consider. Subsequent phases will bring greater awareness to unforeseen hazards which will become more evident and prepare you to ld your capital, construction and operating increase resiliency and make smart ch enable you to overcome future obs realize your specific project vision predictable and purposefu

Risk considerations for g and construction projects typically consi zards that affect the financial via e and personal safety of eve wolved. Headline-grabbing treme weather and unsafe events such as work conditions at compelling people to er look at their risk assessments and ans as they often extend schedule ou will be able to manage this risk ticipate in a progressive and ordered rocess with a leading design professional.

CIFIC PROJECT RISK FACTORS

Our early assessment of risk factors affecting your project initially pertain to developing and maintaining a realistic budget in tandem with the scope of work and moving forward through project stages on a pre-determined schedule that aligns with your expectations and milestone requirements.

We work pro actively with our clients to help them assess these challenging goals in a

ssly into the holistic manner that architectural design ruction process.

related risks that can be There are a properly ac n design stages.

ent time for the design process to develop under proper consideration is as important as the time devoted to prepare construction documentation and build your project.

It is our opinion that an early construction start in the spring of 2018 is a feasible period of time to progress through the stages of design and construction documentation production and tender the project. A more detailed time line can be reviewed in the coming months with specific milestone dates as a design is developed and specific construction documentation is advanced to coincide with quality control checks and Development and Building Permit submissions to the municipal AHJ.

FUTURE WORK PLAN

A detailed work plan and project development time line framework is described as a series of future project phases that include a summary of tasks to be completed in order to advance the project. This information appears in our fee proposal letter which will follow your receipt of this Pre-Design report.

The architecture we remember is that which never consoles or comforts us. ~Peter Eisenman

OPINION OF PROBABLE CONSTRUCTION COST

DIRECT COST OF CONSTRUCTION

In construction, direct costs are directly attributable to the object and comprise the costs of materials, labor, equipment and all directly involved efforts or expenses - mostly by the general contractor and sub trades.

Property cost is usually not factored into these assessments as it must be purchased independently and prior to construction.

INDIRECT COSTS

The endeavor of planning, designing building a new residence or si incurs a range of in-direct expen a project's inception, creat ice related construction. They are expenses toward a pro

Professional design and engineering se ces are in-direct costs (usually based on the direct costs of construction) and represen the time and expertise required to roject. Other in-direct costs include of development or building permits, urance, GST, reimbursable expenses, and so forth.

Combined, the total direct and in-direct costs create the total project cost.

OPINION ON PROJECT

nts of budget cannot At this early stage, assumptions are made be guarante to accomp sh a pre minary analysis. The final outcome is be different as the design nd subsequent decisions are clients in an increasingly informed and with fewer and fewer assumptions

with the Architectural Space Program, ppended to this document is an Opinion of Probable Construction Cost and a preliminary summary of Total Project Cost based on the total program developed and the qualitative assumptions therein based on our discussions.

The noted Opinion of Probable Construction Cost is the budget scenario we are currently utilizing in our fee proposal to follow.



Architecture is the constant fight between man and nature, the fight to overwhelm nature, to possess it. The first act of architecture is to put a stone on the ground. That act transforms a condition of nature into a condition of culture; it's a holy act. - Nario Botta

or Reference

We do not create the work. I believe we, in fact, are the discoverers. ~Glenn Murcutt

PROFESSIONAL DESIGN SERVICES

WHAT NEXT? THE DESIGN PROCESS

After asking questions, listening and identifying the scope of work as well as opportunities and hindrances during this pre-design consultation, design stages comprise the exercise and activities of problem solving using the information presented in this report. A myriad of issues must eventually be resolved - often when they are at odds with each other - and the design process guides clients through the decision making process effectively. The process begins with an initial phase cal Schematic Design where two or three de options are generated in greater def this phase has sufficiently rever opr Design Development phase focus n a single option that represents the direction.

A primary object It environment architects ad design professionals is how to create a po rul synergy between necessity, function and beau v simultaneously while improving quality of life. As this is realized, an ontinued role is to understand this archite fully listen during design phases provide professional consideration or project requirements and respond to pportunities for the site and program as they are influenced issues of climate, context, function, budget, schedule and life safety.

An architect's ethical responsibility is to adhere to all applicable bylaws, codes and standards applicable to the construction of buildings in order to comply with good practice and maintain life safety. As such, it is best practice for architects to maintain supervision of the design process and lead the well coordinated production of construction drawings in order to meet professional standards of construction

and adequately indig t of work to the municipal Authorities laving Jurisdiction (AHJ), a ger ctor, sub trades and others. The tion Documents (drawings Constru d be prepared to a standard or 'blueprin () sho of care that both satisfies you, the client, from perspective and which adequately idetes the design intent of the project com uctible way to contractors and trade people. Although the design copyright of project remains the architect's intellectual roperty, the constructed building is owned by the client and copies of the 'instruments of service' are furnished as record documents.

Architects are to maintain a reasonable schedule during all project development phases and provide preliminary budgetary information (non-estimated) that is predictive to the extent within the architect's control. Often a contractor or quantity surveyor is utilized to furnish increasingly accurate budget or tender pricing.

The collective education and experience of architects enables them to create a healthy, livable and self-sustaining environment of the highest standard, to the extent required.

Voluntarily, as permissible by the budget, you might consider implementing aspects of environmental design achievable in your locale to enhance the sustainability and operational impact of your project. This is a value added approach to design where new construction and renovations contain opportunities to address energy consumption in terms of the whole building design - envelope, systems, durable finishes, recycled or re-purposed local materials, reduced construction waste or by employing efficient resource or energy saving fixtures and appliances that conserve finite resources and save on operational costs, to name a few.

A construction site is an incredibly instructive place for an architect. I would rather have spent an hour at the St. Peter's building site in Rome than have read all the books written about that church. ~Jorn Utzon

ENGAGING A CONTRACTOR

In the way architects and experienced designers excel most at conceiving projects and interpreting client needs by leading the design process and team to create architecture, contractors are experts at implementing the built work and managing the construction schedule. Together clients with architects, consultants and contractors realize project work.

Normally at the close of the Design Development phase or along with a Development Permit submission, ou often invites the participation of a contractor in order to re-confirm cost assumptions early in ; energy is spent on produc documentation. The contr effectively offer constru on the progress unique issues straints of a site, time line or compet influence. Our process for mentation is then better able to adapta ey elements of contractor feedback s expensive to address (in advance nder drawings) and more easily roject focussed and on budget. The put of the general contractor could be on a onsulting basis only or as part of a construction management delivery model where the same contractor is awarded the work prior to tender after a pre-qualification process is performed.

PRE-QUALIFICATION

One One Ten has established a pre-qualification process for general contractors that evaluates a past performance on comparable projects by looking at recently completed work, contacting references, comparing budgets and intended milestones and reviewing bonding and insurance coverage. Other background

information is reques negotiate contract on construction services in lients signing a written ent as part of the bidding constructio or tenderin

number of ways to select a including traditional competitive tendaring process (design-bid-build), truction management or design-build. How ou contract with a builder coincides with the delivery model.

A traditional form of agreement is a Maximum Fixed Sum contract. Another option to consider is a Cost Plus contract that is more open and transparent and sets an agreed upon contractor mark-up fee to cover the base contract and any changes that occur. Design-Build contracts are a different format as well as Construction Management at Risk (which vary) but have their application on certain higher risk or complex projects.

The most important thing is to follow a standardized process (so all parties participating are familiar with it) and get your agreement in writing. It is best when a professional architect is advocating and providing oversight through construction on your behalf.

The construction drawings form an integral part of that contract and are considered legal documents themselves.

A more detailed discussion on safeguards and steps for hiring a contractor is provided below:

https://trustedpros.ca/hiring-guide#forms

APPENDICES

FIRM OVERVIEW

Practice Summary

About

Our Process

Our Values

Staying Connected

SUPPLEMENTAL DOCUMENTATION

Architectural Space Program

Opinion of Probable Construction Cost / Track Probable Cost

Miscellaneous Sketches & Annotations

Select Site Photographs

Architecture is bound to situation. And I feel like the site is a metaphysical link, a poetic link, to what a building can be. ~ Steven Holl

to. Seteron Service

Our work is founded on the belief that architecture has a profound and powerful role in the well-being of people, the vitality of places and in shaping our experience of the world.

PRACTICE SUMMARY

010110 | Architecture + Urbanism (One One Ten)

LEGAL NAME

ATELIER 010110 ARCHITECTURE + URBANISM INC.

OWNERSHIP STRUCTURE

Corporation

HEAD OFFICE ADDRESS

515 Blackfoot Manor West T1K 7X7 Lethbridge, Alberta, Canada 49.6942° N, 112.8328° W T+1.587.800.3365 NO FAX

EMPLOYEES

Total of 2 core employees collective team, as req

ABOUT

One One Ten is a emerging force for and unanism in western Canada founded. architect Spencer Court on the nuary, 2010. Over the past several ave evolved as a hybrid core team se network of professionals joining forces as a collective to realize architecture and e built environment in the context of a new paradigm of professional practice. Our moniker name represents the calendar date our atelier was initiated.

Our combined experience crosses various scales of complexity, size and building typology in the professional disciplines of architecture, environmental design, urbanism and planning.

Our work attempts to address emerging challenges of our time in urban places, regional landscapes and comp process explores the mes architectural theory and researc orms of collaboration for built and u rk. As a growing collective, our work po portunities to collaborate ues o with experts from mixed disciplines who enable re to enrich, re-interpret and create tive exchanges that realize the tran of each unique project.

projects hope to be deliberate and ensitive responses to diverse programmatic aspirations, technical requirements, cultural and social landscapes situated in the public realm of various growth centres in urban, rural and other environments. Our projects are also deliberate responses to diverse cultural and social landscapes situated in the public realm of various contexts.

One One Ten further attempts to address emerging challenges of our time in urban places, regional landscapes and communities.

As a growing specialists of the built environment collaborating with diverse teams of people, our experience crosses various scales of complexity, size and building typology in the professional disciplines of architecture, environmental design, urbanism and planning.

OUR PROCESS

WHY WE PRACTICE

We love human experiences and interactions. Design empowers and enhances the lives of people. We practice architecture to create and develop community. We want to discover and innovate through design.

When collaboration and research inform the design process, we are equipped to create more comprehensive architectural solutions and contribute greater value to the built environment.

OUR WORK BEGINS WITH PEOPLE

What appears evident for project success in architecture is a reliance on people. From our team of experts who thoughtfully interpret ideas from an integrated dialogue with end users, community citizens and clients, architecture requires participation before occupation.

WE COLLABORATE WITH OTHERS

One One Ten's approach is a working model for a diverse design collaborative. This genui statement reflects our design process and he we interact, engage and integrate our with other people. We approach each with a transparent 'hands on' perspe through an intimate design pro encourages fierce thinking how and tough decisions amon every case, our method oursues design excellence in architect banism in order to provide last munities.

OUR VALUES

chitecture is essential to society. e is a reflection of civic vision and the disposition of society's valuation of good design in the vitality of cities. Architecture a part of public discourse and should be written about and roundly criticized. Architecture also cannot rightly be divorced from the architect.

We believe the role of is currently shifting in both the ion, industry and societal con h innovative forms of architectur praction moving from a tradition of the archi aster builder' to the ct as specialist in the built ent working in collaboration with plementation teams.

ORK IS A PART OF PUBLIC DISCOURSE

rchitectural work is dedicated to engaging he public realm to explore the complexity of problems that exist in the world which are mediated through design. This open discourse is realized incrementally through design intervention and impacts the fabric of urban society. As design professionals, it is in this purposeful exchange with people and the built environment that ideas mature into potent architecture and foster exciting new urban or constructed experiences.

WE BELIEVE IN THE POTENTIAL OF CITIES

Each project we engage is a conscious act of making and city building. In all cases, we want to articulate an appropriate but compelling response to context and a convincing and urbane response to density that enriches both the public realm and society's experience of daily urban life.

STAYING CONNECTED

PRIMARY CONTACT

Client business and other inquiries can be made by contacting principal architect, Spencer Court, by email at spencer@010110.ca or by phone at 1.587.800.3365 x701.

GENERAL INQUIRIES

For all general inquiries please contact us at hello@010110.ca.

SOCIAL MEDIA FEEDS

Connect with us on our preferred social media sites - Twitter, Facebook, Linke Instagram. Like, follow or subscribe

Follow us on twitter at Follow us on Instagram at Like us on Facebook Connect with u

INTERESTED IN REFERE

A good relationship starts with a conversation and

continues by being connected and within reach.

Obtaining new work engaging in process sustains our passion for architec ral practice. We are always from new clients and are interested it hearing happy to help them develop their vision and ir projects forward.





Old Man River Valley, Lethbridge, Alberta

		46 45		no.	unit area	unit area	total net area	total net area
	no.	room / function / line item	location	units	nsm	nsf	nsm	nsf
	1.0	Private Sleeping / Bathing Areas						
	1.1	Master Suite						
	1.1.1	Bedroom King size bed, side tables; ability to access ensuite & dressing area outside of bedroom, sound isolation and fireplace	Main	1	19.5	209.9	19.5	209.9
	1.1.2	Dressing Area	Main	1	10.0	107.6	10.0	10.
		Dual pass through closet c/w ceiling height millwork storage wall, bench						
	1.1.3	Master Ensuite Includes stand alone soaker tub with double shower room, dual flush low water closet, double vanity, millwork storage, skyllight & exhaust fan	Main v flow separa		16.4	176.5	16.4	176.
	1.3.3	Make-Up Station	Main	1	3.2	34.4	3.2	34.4
	1.3.4	Linen, toiletry & towel storage for ensuite bathroom Linen Supply Closet	Main	1	0.8			8.6
	1.5.4	Linen, toiletry & towel storage for ensuite bathroom	IVIAIII	1	0.8		7	6.0
	1.2	Bedroom Suites						
	1.2.1	Child Bedrooms Grouped with bathrooms, size to accommodate future family visits	Main	4	14.5	156.1	58.0	624.3
	1.2.2	Closet Storage Space	Main	4		24.5	9.1	98.2
	1.2.3	Closet accessories as required Guest Bedroom (Guest Wing)	Main	1		6.1	14.5	156.1
	1.2.5	Isolated spare room (accom. shift work)	IVIAIII	•		0.1	14.5	150.1
	1.2.4	Spare Closet Storage Space (Guest Wing) Closet accessories as required	Ma	1	1.1	11.8	1.1	11.8
	4.0		M.	V	7			
	1.3 1.3.1	Washroom Facilities Shared Bathrooms	Bsm	2	6.3	67.8	12.6	135.6
		Includes stand alone soaker tub/shower room, dual flush low inwater closet, double vanity and millwork storage & exhaut gan						
	1.3.2	Spare Bathroom Includes stand alone soaker tub/shower room, ductorash is low	Bsmt	1	4.3	46.3	4.3	46.3
	1.3.3	water closet, double vanity and millwork storage vhaust fan Linen Supply Closet	Bsmt	1	0.3	3.7	0.3	3.7
		Linen storage for both bathrooms						
		Subtotal					149.9 csm	1,613.1 c
		Component Area Factor					1.15	
		Component Subto					172.3 csm	1,855.0 c
		X						
	4							
	4	•						
	_7							
	—	•						
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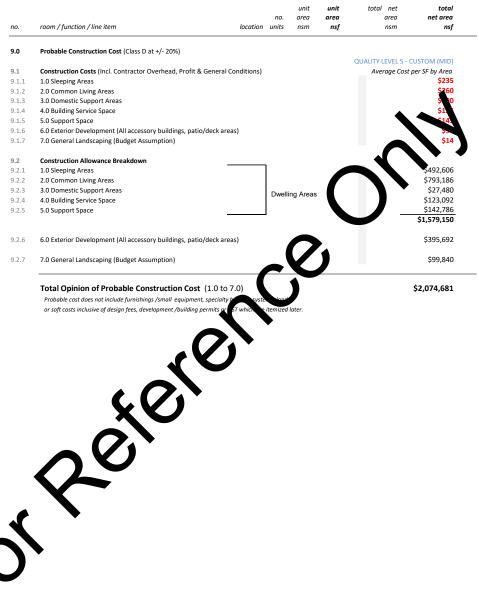
	ARCHITECTURAL SPACE PROGRAM						
				unit	unit	total net	total
			no.	area	area	area	net area
	room / function / line item	location	units	nsm	nsf	nsm	nsf
D	Common Living Areas						
1	Entrance						
1.1	Foyer	Main	1	5.2	56.0	5.2	56.0
	Visitor arrival / entrance space; convenient seating area						•
1.2	Guest Washroom Half bathroom Incl. dual flush low flow water closet and vanity	Main	1	3.3	35.5	3.3	. 5
1.3	Back Entry Foyer / Mud Room	Main	1	7.8	84.0	7.8	84.
	Primary arrival / entrance space; convenient seating & storage, shelves,						
	sliding door closure, shoe storage; relates to garage entry and storage are						
L.4	Back Foyer Coat Closet Three season gear	Main	1	1.4	15.1	1.4	15.1
2	Living / Entertainment						•
2.1	Sitting Room	Main	1	10.0	1 .6	10.0	107.6
	Comfortable seating for 4-6						
1.2	Family Room Comfortable lounge seating for 8-10, party room (no TV), future living roo	Main	1	32.5	345	32.5	349.8
	back-up space heating (i.e. fireplace - requirements TBD)	in grana pia	то зрасс	,			
1.3	Theatre / Media Room	Bsmt	0		344.4	0.0	0.0
	Seats 8-10, basement location, sound isolation; can open to rec room; 90'		e (lan po		1	45.5	466.0
2.4	Library / Small Music Room Upright piano & violin, reference library (millwork) and a few seats, locka.	Main		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	6.8	15.5	166.8
.5	Recreation / Games Room	Bs	1	26.6	286.3	26.6	286.3
	Seating area, foosball, air hockey, table tennis with 2 gaming tables seati	ng 4 each		•			
2.6	Kitchenette / Serving Area	Smt	J	4.0	43.1	4.0	43.1
2.7	Dishwasher, sink & high stool wet bar and serving area (popcorn moke Sunroom	Mail	1	19.0	204.5	19.0	204.5
,	Three season sunroom, openable - sunrise is important & view asst/se	-east	_	15.0	201.5	13.0	20113
	Food Preparation, Storage & Dining Areas	NA-i-		26.4	204.2	26.4	204.2
.1	Kitchen Full kitchen with double oven, full-sized fridge, pix ed island wewo	Main ork har	1	26.4	284.2	26.4	284.2
.2	Dining Area	Main	1	21.4	230.3	21.4	230.3
	Capacity for seating 8; expandable into diacet using a						
1.3	Large Walk-in Pantry Clo	Main	1	6.9	74.3	6.9	74.3
	Second fridge+freezer, long ,ood dge with cless to cold food ste	orage area					
l.	Workspaces						
1.1	Home Office / Den	Main	1	10.2	109.8	10.2	109.8
1.2	His Space - Workst Ince Lond 3 10 " displays, printer; darkened room (rad Studio June / Crea La Room	diology asse Main	ssment) 1	8.3	89.3	8.3	89.3
	r Space - prksurface g table), sewing machine, millwork.	iviaiii		0.3	63.3	8.3	65.3
5.1	Exerc Area	Bsmt	1	15.3	164.7	15.3	164.7
	Full heigh prirror (dance), treadmill, stationary bike, weight station, floor					15.5	104.7
•	Shower / Change Room	Bsmt	1	4.3	46.3	4.3	46.3
7	Includes shower room, dual flush low flow water closet,						
	vanity and millwork storage & exhaust fan						
	—						
	Subtotal					218.1 csm	2,347.6
	Component Subtotal					1.15 250.8 csm	2,699.7
	Component Subtotal					250.6 CSIII	2,099.7
,	Domestic Support Areas						
	Laundry Suite (Upper Floor)						
.1	Laundry / Clothes Prep Area	Main	1	10.0	107.6	10.0	107.6
	Washer & dryer, folding table & ironing space with view(s); close to bedro	ooms, pass-t	hrough s	ervice			
,	Housekeening (BAsinfleen)						
.1	Housekeeping (Mainfloor) Small Housekeeping Closet	Main	1	0.3	3.7	0.3	3.7
-	Space for vacuum, broom closet, storage shelves for housekeeping suppli		_	0.5		0.5	5.7
	Subtotal					10.3 csm	111.3
	Component Area Factor					1.15	
	Component Subtotal					11.9 csm	128.0 c

ne	o.	room / function / line item	location	no. units	unit area nsm	unit area nsf	total net area nsm	total net area nsf
4.	.0	Building Service Space						
4.	.1	Mechanical Area						
4.	.1.1	Building Systems Room Building systems for heat, ventilation, humidity control, hot potable w network, cable, house e-panel - quiet systems	Bsmt ater, sump pum	1 ρ,	12.3	132.4	12.3	132.4
4.	.2	General Storage (Basement)					1	
4.	.2.1	Storage Room	Bsmt	1	9.2	99.0	9.2	99.
		Domestic items, various storage needs, toys & equipment, seasonal de						
4.	.2.2	Undeveloped (Remaining Foundation/Basement Area)	Bsmt	1	14.0	150.7	4.0	150.7
		Placeholder - various storage needs/foundation area				_	_ 4 7	•
		F 10: (D)						•
	.3	Food Stores (Basement)						
4.	.3.1	Cold Food Storage Room Cold storage - perishable & canned supplies and bulk items; fridge / fr	Bsmt	1 franzar a	10.4	19 prigi (reezer	10.4	111.9
		Cola storage - perishable & cuntea supplies and balk items; Jriage / Ji	reezer F vvaik-in	jreezer ed	quai to 3 u	prigit veezer.	**	
		Subtotal					45.9 csm	494.1 cs
		Component Area Factor					1.15	
		Component Subtotal		4			52.8 csm	568.2 cs
				~	K			
5.	.0	Support Space)			
5.	.1	Garage / Maintenance Areas						
	.1.1	Enclosed Garage	Grade	1	59.5	640.5	59.5	640.5
		Parking for 3 automobiles, small item storage - 2/1 split bays		•				
5.	.1.2	Small Bench Area	ade	1	3.7	39.8	3.7	39.8
		Integrated work area with tool and garden equipment st	1					
5.	.1.3	Storage Area	Grade	1	5.9	63.5	5.9	63.5
		Space for seasonal decorations, bicycles, winter a camping equip.,	etc.					
5.	.1.4	Dog Pad/Feeding/Grooming	Grade	1	3.2	34.4	3.2	34.4
		Warm sleeping space for 2 dags						
5.	.1.5	Garbage/Recycling Area	Grade	1	1.3	14.0	1.3	14.0
		Accommodateds recycling a seriuse a						
		Subtotal					73.6 csm	792.2 cs
		Component Area acto					1.10	732.2 CS
		Construent whiter					81.0 csm	871.4 cs
		Constitution					81.0 CSIII	6/1.4 (3
	_							
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			no.	unit area	unit area	total net area	total
	room / function / line item	location		nsm	nsf	nsm	net area nsf
_	Exterior Development						
	Outdoor Spaces						
	Deck / Patio - Outdoor Dining (Back)	Exterior	1	22.4	241.1	22.4	241.1
	Wind protected, casual seating & dining area, single level indoor/outdoo.		40+ peop				4
	Outdoor Kitchen (Adjoined to Deck Area)	Exterior	1	3.2	34.4	3.2	4
	Casual seating with patio table for 4-6 Breezeway	Exterior	0	14.0	150.7	0	
	Covered roof over patio or flatwork connection between bldgs	LATERIO	U	14.0	130.7	0.0	
	Spa Area	Exterior	0	10.2	109.8	0.0	0.0
	Whirlpool spa for 6 people - integrate with landscape/patio						
	Detached Accessory Building(s)						•
	Lap Pool-	Detached	0	85.6	92 4	0.	0.0
	Indoor 7.5'x45'x4' deep lap pool with small seat area						
	Lap Pool Mechanical Room Indoor lap pool mechanical equipment - pump, filter system, heating.	Detached	0	3.7	8	0.0	0.0
	Sauna Room	Detached	0	4.5	48.4	0.0	0.0
	Two level bench, 3-4 perso c/w elec. Heater - no cooling room		_			T	
	Gazebo	Detached	1		99.0	9.2	99.0
	Seating for picnics, 6-12 people		(4		
	Outdoor Pavillion TBD	Detached		.8	3.9	20.8	223.9
	Work / Storage Building	Detach	1	A58.0	624.3	58.0	624.3
	Barn/hanger shop for boat w/ Integrated work bench area with tools, eq		sports it	te s, fishi			
	space for bicycles, winter tires, camping equip., etc.; include tractor, boo	hicle	nort/	closure			
	Animal Barn	Detac	1	42.4	456.4	42.4	456.4
	Chicken coop; cow and small herd of sheep - up to 20 animals Small Aircraft Hanger	tached	▶	143.0	1539.2	143.0	1,539.2
	Accommodate a Cessna 185 at 46' x 36'	tacried	Τ.	143.0	1339.2	143.0	1,333.2
	Greenhouse / Garden Shed	Detached	1	20.8	223.9	20.8	223.9
	Potted plants, vegatables, herbs - 12' x 20'; gardet = g stol & tools	,					
	Subtotal					319.8 csm	3,442.3 c
	Component Area Factor					1.10	3,442.3
	Component Subtotal					351.8 csm	3,786.5
	~~						
	General Landscap g (A cump ons)						
	Meral Lan cape						
	iveway (Allow +/- 40' x 18')	Ground	1	66.0	710.4	66.0	710.4
•	ver adjacent to residence, island/loop turnaround accommodate	ting min. 6 ve	hicles; pa	arking lot?			
•	Court, ds, Walks & Pathways	Ground	1	20.0	215.3	20.0	215.3
•	Flatwork avers, paths, retaining walls & features, outdoor pool pad	Crou-d	1	24.0	250.2	24.0	250.2
•	Rain Garden / Trees, Shrubs & Planting Beds Flower beds, rainwater collection and xeris or landscaping	Ground	1	24.0	258.3	24.0	258.3
•			1	9.2	99.0	9.2	99.0
	Firepit Area	Ground					
•	Firepit Area Wind protected firepit & seating area (away from house); bermed?						
	Firepit Area Wind protected firepit & seating area (away from house); bermed? Sport Court Surface	Ground	2	218.3	2349.8	436.6	4,699.5
	Firepit Area Wind protected firepit & seating area (away from house); bermed? Sport Court Surface Volleyball, basketball court surface; half-court size of 50'x47'	Ground					•
•	Firepit Area Wind protected firepit & seating area (away from house); bermed? Sport Court Surface	Ground	1	218.3 46.5	2349.8 500.5	436.6 46.5	4,699.5 500.5
	Firepit Area Wind protected firepit & seating area (away from house); bermed? Sport Court Surface Volleyball, basketball court surface; half-court size of 50'x47' Green Space (Sod)	Ground	1				•
	Firepit Area Wind protected firepit & seating area (away from house); bermed? Sport Court Surface Volleyball, basketball court surface; half-court size of 50'x47' Green Space (Sod) Low-maintenance, irrigated; most property areas to remain naturalized; Subtotal	Ground	1			46.5 602.3 csm	·
	Firepit Area Wind protected firepit & seating area (away from house); bermed? Sport Court Surface Volleyball, basketball court surface; half-court size of 50'x47' Green Space (Sod) Low-maintenance, irrigated; most property areas to remain naturalized;	Ground	1			46.5	500.5

	ARCHITECTURAL SPACE PROGRAM						
				unit	unit	total net	total
no.	room / function / line item	location	no. units	area nsm	area nsf	area nsm	net area nsf
8.0	Space Program Summary						
8.1	1.0 Sleeping Areas					172.3 csm	1,855.0 cs
8.2	2.0 Common Living Areas					250.8 csm	2,699.7 cs
8.3	3.0 Domestic Support Areas					11.9 csm	128.0 cs
8.4	4.0 Building Service Space					52.8 csm	5 2 cs
8.5	5.0 Support Space					81.0 csm	87 . cs
	Subtotal Residence Program (Net Useable Area)			Building	Gross Area Fact	568.9 csm or .13	6,122.4 d
	Subtotal Building Program (Gross Area)					8 7 bgsm	6,918.3 bg
8.6	6.0 Exterior Development (All accessory buildings, patio/deck areas	1				351.8 csm	3,786.5 cs
8.7	7.0 General Landscaping (Budget Assumption)	,				602.3 csm	6,483.1 cs
	Subtotal Exterior Program (Net Useable Area)				Gro Area Fact	954.1 csm or 1.10	10,269.6 cs
	Subtotal Exterior Development (Gross Area)			1		1,049.5 gsm	11,296.6 g
	Total Development Area (Sections 1.0 thru 7.0)	1				1,692.2 gsm	18,214.9 g
8.8	Area Distribution Breakdown by Location (Gross Area Far at App	d)					
8.8.1	Basement Areas (Bsmt)	,				128.1 gsm	1378.6 g
8.8.2	Main Floor Areas (Main)					351.3 gsm	3781.1 g
8.8.3	Exterior Spaces (Exterior)					28.2 gsm	303.1 g
8.8.4	Upper Floor Areas (Upper					0.0 gsm	0.0 g
8.8.5	Garage Areas (Grade)					83.2 gsm	895.2 g
8.8.6	Accessory Buildings (Detas)					323.6 gsm	3483.4 g
8.8.7	General Landscape Areas (Gr. d)					662.5 gsm	7131.4 g
	Subtotal					1576.8 bgsm	16,972.8 b
						1376.6 DgSIII	10,97

ARCHITECTURAL SPACE PROGRAM



ARCHITECTURAL SPACE PROGRAM

				unit	unit	total net	total	
_	and the stime the stand		no.	area	area	area	net area	
0.	room / function / line item	location	units	nsm	nsf	nsm	nsf	
0.0	Summary of Probable Project Cost (Class D at +/- 20%)							
).1	Planning & Design (Fees + Reimburseable Expenses)							
	Architect / Interiors / Structural / Mechanical / Electrical Consulting					0.000/	Fees	
	Professional Fees (as % of Construction Cost of sections 1.0 - 5.0 - Re Professional Fees (as % of Construction Cost of sections 6.0 - Accessor					9.00% 10.00%	\$142,23	
).1.2	Topographic Land Survey	ny blugs	Ulliy)			Budget.	\$4.5	
).1.3	Geotechnical Investigation					Budget	5,00	
.1.4	Asbestos Abatement							
.1.5	Acoustical or Other Specialty Consultant						\$0	
0.1.6	Total GST (on professional fees)						\$9,560	
).1.7	Total Estimated Max. Disbursements (at 2% of of professional fees)						\$3,824	
						71		
			Po	tential Pl	anni & Desig	gn Y	\$204,576	
.2	Construction (Inclusive of General Conditions)							
.2.1	Opinion of Probable Construction Cost Construction Program (inclusive of all sections 1.0 to 7.0 above)						\$2,074,681	
.2.1	Construction Program (inclusive of all sections 1.0 to 7.0 above)					_	\$2,074,081	
).2.2	GST (captured within probable construction cost)		- 1	\$10	734.07			
1.2.3	Construction Contingency (to 10% of 10.2.1 above)	_	~ '	V.			\$207,468	
			Pote tial New Construction			\$2,282,149		
		• 4					V2)202)2 13	
.3	Cash Allowances (incl. GST as applicable)		$\overline{}$	gsn	gsf	Cost/gsf	Allowances	
.3.1	Relocation of Existing Residence			300.0	3229.2	\$4.75	\$15,339	
.3.2	Fixtures, Furnishings and Equipment (FF&E) (5.0% of sections 1.0	only)					\$78,957	
	Appliances	•		47,374				
	Furniture + Fixtures			19,739				
	Equipment		\$	11,844				
.3.3	Special Building Systems							
.3.3.1	Electrical Systems							
	Net-metered Photovoltaic Array (St. rdby) - ver M. v-Generation)					TBD	\$0	
	Smart Home & Network Decialty Pems					TBD	\$0	
.3.3.2	Mechanical & Plumbing S							
	Domestic Cold Water Cist An Grage Subution						NA	
	Sanitary Waste System (Extensit to Holding Tank & Percolation Fiel	(d)				TBD	\$4,000	
	Residential Sprink Ling Symm					TBD	\$8,000	
	Ventilation (Fresh Jir) Perg Recovery System (ERV)					TBD	\$4,500	
.3.4	Site versionent (undes Landscaping)							
.3.4.1	Purp Utility re-ins							
•	Rotable V City of Lethbridge)					TBD	\$4,000	
	L ti Meter/Line Extension					TBD	\$6,000	
	Nata Gas Meter/Line Extension					TBD	\$6,000	
.3.5	Architect Controls Deposit (To Be Returned)				\$0.00		NA	
_	Architectural Review Fee & Admin. Charge				\$0.00		NA	
	Miscellaneous Administrative Expenses (Printing IFC Drawings, etc.)						\$1,000	
6	iviiscella neous Autilinisti ative Expenses (Frinting ii C Diawings, etc.)						\$150	
6	Development Permit (County of Lethbridge)							
6				т	otal Allowance	es	\$127,946	
6				т	otal Allowance	25	\$127,946	
6				ī	otal Allowance	es		
6	Total Opinion of Probable Project Cost Total of all costs listed in subtotals for sections 10.1 - 10.3 Subtotal Building Program (Gross Area)		38		otal Allowance	es	\$127,946	
6	Total Opinion of Probable Project Cost Total of all costs listed in subtotals for sections 10.1 - 10.3		38 62	%	otal Allowance	25	\$127,946 \$2,614,672	
6	Total Opinion of Probable Project Cost Total of all costs listed in subtotals for sections 10.1 - 10.3 Subtotal Building Program (Gross Area) Subtotal Exterior Development (Gross Area) Building Cost/sf (Items 1.0 - 6.0 / Area)		62	%	otal Allowance	es	\$127,946 \$2,614,672 \$6,918	
6	Total Opinion of Probable Project Cost Total of all costs listed in subtotals for sections 10.1 - 10.3 Subtotal Building Program (Gross Area) Subtotal Exterior Development (Gross Area)	oment A	62	%	otal Allowance	25	\$127,946 \$2,614,672 \$6,918 \$11,297	
6	Total Opinion of Probable Project Cost Total of all costs listed in subtotals for sections 10.1 - 10.3 Subtotal Building Program (Gross Area) Subtotal Exterior Development (Gross Area) Building Cost/sf (Items 1.0 - 6.0 / Area)	oment A	62	%	otal Allowance	25	\$127,946 \$2,614,672 \$6,918 \$11,297 \$228	
6	Total Opinion of Probable Project Cost Total of all costs listed in subtotals for sections 10.1 - 10.3 Subtotal Building Program (Gross Area) Subtotal Exterior Development (Gross Area) Building Cost/sf (Items 1.0 - 6.0 / Area) Total Construction Cost/sf (Items 1.0 - 7.0 / Full Develop	oment A	62	%	otal Allowance	25	\$127,946 \$2,614,672 \$6,918 \$11,297 \$228 \$125	

