Conceptual Review Agenda

Schedule for 09/08/22

Meetings hosted via Zoom Web Conferencing

Thursday, September 8, 2022

Time	Project Name	Applicant Info	Project Description	
10:15	Overland Trail	erland Trail Casey Roberts	This is a request to change the use of the	Planner: Katelyn Puga
	Conversion	970-818-8999 casey.roberts@clarkenersen.com	existing decommissioned substation to offices. (parcel # 9717000913). The	Engineer: Tim Dinger
	CDR220068		decommissioned substation into offices for utility workers as well as general parts storage and would include platting of the property. Access would be taken from S Overland Trail to the east. The site is located directly west of the intersection of S Overland Trail and W Mulberry St. The property is within the Low Density Mixed-Use Neighborhood District (L-M-N) zone district	DRC: Todd Sullivan
			and is subject to Administrative (Type 1) Review.	

Overland Trail Substation Conversion Community Facility/Offices and Storage



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CONCEPTUAL REVIEW:

APPLICATION

General Information

All proposed development projects begin with Conceptual Review. Anyone with a development idea can schedule a Conceptual Review meeting to get feedback on prospective development ideas. At this stage, the development idea does not need to be finalized or professionally presented. However, a sketch plan and this application must be submitted to City Staff prior to the Conceptual Review meeting. The more information you are able to provide, the better feedback you are likely to get from the meeting. Please be aware that any information submitted may be considered a public record, available for review by anyone who requests it, including the media. The applicant acknowledges that they are acting with the owner's consent.

Conceptual Reviews are scheduled on three Thursday mornings per month on a "first come, first served" basis and are a free service. One 45 meeting is allocated per applicant and only three conceptual reviews are done each Thursday morning. A completed application must be submitted to reserve a Conceptual Review time slot. <u>Complete applications and sketch</u> <u>plans</u> must be submitted to City Staff on Thursday, no later than end of day, two weeks prior to the meeting date. Application materials must be e-mailed to <u>currentplanning@fcgov.com</u>. If you do not have access to e-mail, other accommodations can be made upon request.

At Conceptual Review, you will meet with Staff from a number of City departments, such as Community Development and Neighborhood Services (Zoning, Current Planning, and Development Review Engineering), Light and Power, Stormwater, Water/Waste Water, Advance Planning (Long Range Planning and Transportation Planning) and Poudre Fire Authority. Comments are offered by staff to assist you in preparing the detailed components of the project application. There is no approval or denial of development proposals associated with Conceptual Review. At the meeting you will be presented with a letter from staff, summarizing comments on your proposal.

BOLDED ITEMS ARE REQUIRED *The more info provided, the more detailed your comments from staff will be.* Contact Name(s) and Role(s) (Please identify whether Consultant or Owner, etc)

Business Name (if applicable)		
Your Mailing Address		
Phone Number	Email Address	
Site Address or Description (parcel	# if no address)	
Description of Proposal (attach addi	tional sheets if necessary)	
Proposed Use	Existing Use	
Total Building Square Footage	S.F. Number of Stories	Lot Dimensions
Age of any Existing Structures		
Info available on Larimer County's We If any structures are 50+ years old, goo	bsite: <u>http://www.co.larimer.co.us/as</u> od quality, color photos of all sides o	<u>ssessor/query/search.cfm</u> of the structure are required for conceptual.
Is your property in a Flood Plain?	□ Yes □ No If yes, then at what	at risk is it?
Info available on FC Maps: http://giswe	b.fcgov.com/redirect/default.aspx?l	ayerTheme=Floodplains.
Increase in Impervious Area (Approximate amount of additional buil	lding, pavement, or etc. that will cov	S.F. er existing bare ground to be added to the site)
Suggested items for the Sketch Plan Property location and boundaries, surre (buildings, landscaping, parking/drive a wetlands, large trees, wildlife, canals, i required). Things to consider when ma	n: ounding land uses, proposed use(s) areas, water treatment/detention, dra rrigation ditches), utility line location king a proposal: How does the site	, existing and proposed improvements ainage), existing natural features (water bodies, s (if known), photographs (helpful but not drain now? Will it change? If so, what will

change?

City of Fort Collins **Overland Trail Substation**

401 South Overland Trail 326-011-22 July 28, 2022

GENERAL

G0.00	Title Sheet & Drawing Index
G0.01	General Notes, Symbols & Abbreviations
G0.02	Code Compliance Plan
G0.03	ADA Details
G0.04	ADA Details

ARCHITECTURAL

A0.00	Wall Type Schedule & Details
A0.01	Typical Interior Stud Framing Details
A1.00	Site Plan
A1.01	Floor Plan
A1.02	RCP & Roof Plan
A2.01	Exterior Elevations
A4.01	Enlarged Plans & Details
A6.01	Door Schedule, Door Types, Frame Types

INTERIOR FINISHES

First Floor Finishes Plan F1.01

PLUMBING

P1.01 Plumbing Floor Plans

MECHANICAL

M0.00	Mechanical Abbreviations, Symbols & Notes
M1.01	HVAC Floor Plans
M2.01	Details
M3.01	Schedules



ARCHITECT (COORDINATING PROFESSIONAL)

ELECTRICAL

E0.00	Electrical Abbreviations, Symbols Legend & General Notes
E0.01	Electrical Site Utilities & Electrical Demolition Plan
E1.10	Electrical Plans
E4.01	Electrical Schedules







MECHANICAL ENGINEER



ELECTRICAL ENGINEER



Architecture \ Engineering \ Interior Design \ Landscape Architecture \ Planning

clarkenersen.com Fort Collins, Colorado 123 College Ave., Suite 200 Ft. Collins, CO 80524-2377 970.818.8999

Lincoln, Nebraska Kansas City, Missouri Fairway, Kansas Portland, Oregon Omaha, Nebraska

<u>Design Development</u>

FoCo Overland Trail **Substation Renovation**

401 South Overland Trail Fort Collins, CO

CE No.: 326-011-22

July 28, 2022

DRAFT PREPARED FOR PRELIMINARY SUBMISSION AND REVIEW ONLY --NOT FOR CONSTRUCTION.

Title Sheet & Drawing Index

G0.00

MATERIAL SYMBOLS

EARTHWORKS			
EARTH NON COMPACTED	EARTH/COMPACT FILL	GRAVEL/POROUS FILL	
<u>CONCRETE</u>			
CONCRETE	PRECAST CONCRETE	SAND/MORTAR/ PLASTER	
MASONRY			
CONCRETE BLOCK	COMMON/FACE BRICK	FIRE BRICK	STRUCTURAL FACING TILE
<u>STONE</u>			
ELUESTONE/SLATE/ SOAPSTONE/FLAGGING	RUBBLE	LIMESTONE	
<u>METAL</u>	777777777777		
ALUMINUM	BRASS/BRONZE	STEEL	
WOOD			F
FINISH	ROUGH	SHIM	PLYWOOD
GLASS			
GLASS	STRUCTURAL	GLASS BLOCK	
INSULATION	F_/_/_/_/_/_/_/_/_/_/_/_/_////////////		
MANNE MA MANNE MANNE MAN MANNE MANNE MAN	RIGID	SPRAY/FOAM	
<u>FINISHES</u>			
ACOUSTICAL TILE	CARPET AND PAD		GYPSUM WALLBOARD
TECTUM			
PARTITION INDICATIONS			
CAST-IN-PLACE CONCRETE		WOOD STUD	METAL STUD
SPECIAL FINISH FACE			
		চিয়া বিশিক্ষিক ভাইনিটা কৰে বিশ	<u> </u>
BRICK		CONCRETE/PLASTER	

SHINGLES/SIDING

SHEET METAL

GLASS

STANDARD ABBREVIATIONS

A/E _____ARCHITECT/ENGINEER

AB_____ANCHOR BOLT

ABBR_ _ _ _ ABBREVIATE

ABV_____ABOVE AC_____AIR CONDITIONING ACID RES______ACID-RESISTANT ACOUS______ACOUSTICAL ACOUS INSUL_____ACOUSTICAL INSULATION ACOUS PNI_____ACOUSTICAL PANEL

ACOUS PNL_____ACOUSTICAL PANEL

ACOUS PLAS______ACOUSTICAL PLASTER

ACOUS TILE______ACOUSTICAL TILE ACT______ACTUAL AD______AREA DRAIN

AD_____AREA DRAIN ADC______AUTOMATIC DOOR CLOSER ADDL_____ADDITIONAL ADDM______ADDENDUM

ADJ

AF______ABOVE FINISHED FLOOR

AHR______AIR HANDLING UNIT

.

ASB. ASDESTOO ASC. ABOVE SUSPENDED CEILING ASPH_ ASPHALT

AV_____AUDIO VISUAL AVE______AVENUE

AVE_____AVENUE AWC_____ACOUSTICAL WALL COVERING AWP______ACOUSTICAL WALL PANEL B&B______BALLED AND BURLAPPED BAF______BAFFLE BAI______BALLED AND BURLAPPED BAF______BAFFLE

BAL_____BALANCE BB._____BULLETIN BOARD BC______BOTTOM OF CURB BD______BOARD BEV______BOARD

_____BEVEL _____BOTH FACES ______BELOW FINISH FLOOR ______BACKFLOW PREVENTER M_______BITUMINOUS BED. JOINT

BED JOINT

_BASE LINE

.

_____ABOVE FINISHED GRADE

_____ABOVE FINISHED SLAB AFS_____AGGREGATE AGGR______AGGREGATE ANCHOF

_____ALARM

______ALUMINUM

ALTERNATE

_____AMPLIFIER

ANNUNCIATOR

ACCESS PAINEL

_____APPENDIX ______ARCHITECT (URAL) ______ASBESTOS

AFG_

APPX

ARCH

_ADJACENT

	GUARD RAIL
GENL	
	GROUND FAULT INTERRUPTER
GL GL_BLK	GLASS
GLU LAM	GLUE LAMINATED
GLZ CMU	GLAZED CONCRETE MASONRY UNIT
GND GPDW	GROUND
GR BM_	GRADE BEAM
GRTG	
GUT	GUTTER
GYP PLAS	GYPSUM PLASTER
H H&CW	
HB HB_	HOSE BIBB HANDICAP
HC_	
HDJT HDBD	
HDR	HEADER
HDWD HGT	
HLB	
HMD	HOLLOW METAL DOOR
HR	HOUR
HS HSB	
HW	
INSTL INSUL	
INTR	INTERIOR
JC	JANITOR
JST	JOIST
КВ	
KOP.	
KPL KWY	KICK PLATE
L LAB	LEFT
	LAVATORY
LBR_	POUND
LBR LIGH LCMU LIGH LD BRG	POUND LUMBER TWEIGHT CONCRETE MASONRY UNIT LOAD BEARING
LBRUGH LCMUUGH LD BRG LDG	POUND LUMBER TWEIGHT CONCRETE MASONRY UNIT LOAD BEARING LANDING LINFAR FOOT
LBRLIGH LCMULIGH LD BRG LDG LF	POUND LUMBER TWEIGHT CONCRETE MASONRY UNIT LOAD BEARING LANDING LINEAR FOOT LENGTH
LBRLGHULGHULGHULGGLLGGL LDGLGGL LFLGLGLHLLHR	POUND LUMBER TWEIGHT CONCRETE MASONRY UNIT LOAD BEARING LANDING LINEAR FOOT LENGTH LEFT HAND LEFT HAND REVERSE
LBRLIGH LCMULIGH LD BRG LDG LFLG LHLHR LIN	POUND LUMBER TWEIGHT CONCRETE MASONRY UNIT LOAD BEARING LANDING LINEAR FOOT LENGTH LEFT HAND REVERSE LINEAR LINEAR
LBRLIGH LCMULIGH LD BRG LDG LF LG LH LHR LHR LIN LIN LIN LIN LIN LIR LIR LIN LIN LIN LIN LIN LIN LIN LIN LIN LIN LIN LIN LIN LIGH LIGH LIN LIGH LIN	POUND LUMBER TWEIGHT CONCRETE MASONRY UNIT LOAD BEARING LINEAR FOOT LENGTH LEFT HAND REVERSE LINEAR LINEAR LINEAR LINEAR LINEAR LINEAR
LBRLGHULGHULGGLGG LDGLGG LFLGLGG LHLHRLHR LINLINLINLIN LKRLKR_RM	POUND LUMBER TWEIGHT CONCRETE MASONRY UNIT LOAD BEARING LINEAR FOOT LENGTH LEFT HAND REVERSE LINEAR LINEAR LINOLEUM LIQUID LOCKER LOCKER ROOM
LBR LIGH LCMU LIGH LD BRG LDG LF LH LHR LIN LIN LKR LKR RM LNTL	POUND LUMBER TWEIGHT CONCRETE MASONRY UNIT LOAD BEARING LANDING LINEAR FOOT LEFT HAND REVERSE LINEAR LINOLEUM LINOLEUM LINOLEUM LOCKER ROOM LIVE LOAD LINTEL
LBRLGMULGG LCMULGG LD BRG LDG LF LG LG LH LHR LIN LIN LKR_M LKR_M LL LNTL LOG LOG LOG LOG LCC LOGG	POUND
LBR LIGH LCMU LIGH LD BRG LF LF LF LF LF LG LH LNN LNN LKR RM LKR RM LKR RM LNTL LOC LONG LRG	POUND UMBER TWEIGHT CONCRETE MASONRY UNIT LOAD BEARING LANDING LINEAR FOOT LENGTH LEFT HAND REVERSE LINEAR LINOLEUM LINOLEUM LOCKER ROOM LIVE LOAD LIVE LOAD LIVE LOAD LOCATION LONGITUDINAL LANDING LUND SUM
LBRUGH LDRUGH LD BRG LF LF LH LHR LHR LHR LNN LKR LKR_M LKR_M LCC LONG LS LS LT	POUND
LBR LIGH LCMU LIGH LD BRG LF LG LH LHR LHR LIN LIN LIQ LKR RM LKR RM LKR RM LKR LKR LKR LT LT LT LTG	POUND
LBRLGHLGHLGHLGGLGGLGGLGG	POUND
LBRUGH LDRUGH LDBRG LDG LF LF LG LH LHR LHR LNN LIN LIQ LKR_RM LKR_RM LKR_RM LKR LKR LKR LKR LKR LKR LKR LKR LKR LKR LVL LVL LWPLAS LWPLAS	POUND
LBRLIGH LDRLIGH LD BRG LF LF LG LH LHR LHR LHR LNN LKR_M LKR_M LKR_M LKR_RM LKR_RM LKR LKR LKR LKR LKR LKR LKR LKR LVTL LS LT LT LT LT LT LT LT LT LVL LVL LVR LVL LWPLAS LWC M	POUND
LBR LIGH LCMU LIGH LD BRG LF LF LF LF LH LH LHR LHR LHR LNTL LKR RM LKR RM LKR LKR LKR LKR LKR LKR LKR LKR LKR LKR LKR LKR LVL LVL LWC MARB	POUND
LBRLIGH LDRLIGH LD BRG LF LF LG LH LHR LHR LNN LNN LKR RM LKR RM LKR RM LKR RM LKR RM LKR LKR LKR LKR LKR LWTL LNTL NARB NAST	POUND
LBRLIGH LCMULIGH LD BRG LFLG LFLHR LHRL LHR LINLIQ LIQ LKR_RM LKR_RM LKR_RM LKR_RM LKR_RM LT LONG LONG LGC LT LTG LTG LTG LTG LVL LVL LVR LW PLAS LWC MAINT MARB MATL MAX	POUND LUMBER TWEIGHT CONCRETE MASONRY UNIT LOAD BEARING LANDING LINEAR FOOT LENGTH LEFT HAND LEFT HAND REVERSE LINOLEUM LINOLEUM LINOLEUM LINOLEUM LINEAR LOCKER ROOM LIVE LOAD LIVE LOAD LOCKER ROOM LIVE LOAD LOCKER ROOM LIVE LOAD LIVE LOAD LOCKER ROOM LIVE LOAD LINTEL LOCATION LONGITUDINAL LARGE LUMP SUM LIGHTWEIGHT PLASTER LIGHTWEIGHT CONCRETE LIGHTWEIGHT CONCRETE MAINTENANCE MARBLE MAINTENANCE MARBLE MAINTENANCE
LBRLIGH LDRLIGH LD BRG LF LG LG LH LHR LHR LNN LNN LKR RM LKR RM LKR RM LKR RM LKR LKR LKR LKR LKR LVL LT MAINT MARB MAX MB MB MBR	POUND
LBRLIGH LCMULIGH LD BRG LFLG LFLRR LHLHR LHR LINLIQ LIQ LKR_RM LKR_RM LKR_RM LKR_RM LKR_RM LKR KK K	POUND LUMBER TWEIGHT CONCRETE MASONRY UNIT LOAD BEARING LANDING LINEAR FOOT LENGTH LEFT HAND LEFT HAND REVERSE LINOLEUM LINEAR LINOLEUM LIQUID LOCKER ROOM LIVE LOAD LIVE LOAD LIVE LOAD LIVE LOAD LONGITUDINAL LARGE LUMP SUM LIGHTWEIGHT PLASTER LIGHTWEIGHT CONCRETE LIGHTWEIGHT CONCRETE MAINTENANCE MARBER
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LBR LIGH LCMU LIGH LD BRG LG LF LG LH LH LHR LNTL LKR RM LKR RM LKR RM LKR RM LKR RM LKR LKR LVL LT LT LT LT LT LT LT LT LT MAINT MARB MATL MATL MATL MBR MDF MDO ME MEZZ	POUND LUMBER TWEIGHT CONCRETE MASONRY UNIT LOAD BEARING LEANDING LENGTH LEFT HAND LEFT HAND LEFT HAND REVERSE LINOLEUM LINOLEUM LINOLEUM LINOLEUM LINOLEUM LINOLEUM LINOLEUM LINOLEUM LINOLEUM LINOLEUM LINOLEUM LIQUID LOCKER ROOM LIVE LOAD LIVE LOAD LINTEL LOCKER LOCKER LOCKER NOGITUDINAL LARGE LUMP SUM LIGHTWEIGHT PLASTER LIGHTWEIGHT CONCRETE LIGHTWEIGHT CONCRETE LIGHTWEIGHT CONCRETE MASONRY MASONRY MASONRY MATERIAL MASONRY MASONRY MATERIAL MASONRY MASONRY MATERIAL MASONRY
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LBR LIGH LCMU LIGH LD BRG LF LF LF LF LF LG LH LH LNTL LKR RM LKR RM LKR LKR LKR LVL LT LT LT LT LVL MAINT MAS MATL MAS MATL MAS MATL MAS MATL MAS ME	POUND LUMBER TWEIGHT CONCRETE MASONRY UNIT LOAD BEARING LANDING LANDING LANDING LEFT HAND LEFT HAND LEFT HAND REVERSE LINEAR LINOLEUM LIQUID LOCKER ROOM LIQUID LOCKER ROOM LIQUID LOCKER ROOM LINTEL LOCKER ROOM LINTEL LOCKER ROOM LINTEL LOCKER ROOM LINTEL LOCKER OCKER LOCKER LOCKER LOCKER LOCKER LOCKER LOCKER LOCKER LOCKER LOCKER LIGHTWEIGHT LIGHTWEIGHT LIGHTWEIGHT LIGHTWEIGHT PLASTER LIGHTWEIGHT PLASTER LIGHTWEIGHT PLASTER LIGHTWEIGHT CONCRETE MAINTENANCE MARBLE MASONRY MATERIAL MASONRY MATERIAL MASONRY MATERIAL MASONRY MATCH EXISTING MISCELLANEOUS EQUIPMENT MISCELLANEOUS EQUIPMENT MEDIUM DENSITY FIBERBOARD MEDIUM DENSITY FIBERBOARD MEDIUM DENSITY FIBERBOARD MISCELLANEOUS EQUIPMENT MISCELLANEOUS EQUIPMENT MANUFACTURER MANUFACTURER MANUFACTURER MANUFACTURER MANUFACTURER MANUFACTURER MANUFACTURER MANUFACTURER MANUFACTURER MANHOLE MISCELLANEOUS EQUIPMENT METAL LABORATORY CASEWORK MOI DING

MOD MODULE

CONTR COORD	CONTRACTOR
CORR	CORRIDOR
CPRS CPT	COMPRESSIBLE
CRCMFCRS	CIRCUMFERENCE COLD ROLLED STEEL
CSG	
CSMT.	
DBL GLZ	
DET DF	
DF DFR	DRAPERY FABRIC
DH	DOUBLE HUNG
DIM DIST	DIMENSION
DJ	
DO DR	DOOR
DR DRCLSR	
DS	DOWNSPOUT
DT DUPL	
DVTL	
DWG	DOWF
E	
EMER SHR	EMERGENCY SHOWER
ENCL ENGR	ENCLOSURE
ENTREO	
EP EPS	ELECTRICAL PANEL
EPX EQL SP	
EQ EQUIP	
EQUIV ERECT	ERECTION
ESCALESMT	ESCALATOR
EST FW	ESTIMATE
EXC	
ENST	
EXSTGR EXT	
EXIN	EXTENSION
F/F FBD FBD FBD	FACE TO FACE
FC	
FDN FEC	FOUNDATION
FF	FACTORY FINISH
FGL FIN GR	FIBERGLASS
FIN FL	
FL	FLASHING FLOWLINE
FLDG FLG	
FLDG	FLANGE
FLDG	FLOR FLOR FLOR SINK FLOR PLATE FLOOR FINISH
FLDG_ - <th>FLANGE FLOOR FLOOR SINK FLOOR FINISH FLOAT GLASS FLUAT GLASS</th>	FLANGE FLOOR FLOOR SINK FLOOR FINISH FLOAT GLASS FLUAT GLASS
FLDG_ - <th>FLANGE FLOOR FLOOR SINK FLOOR PLATE FLOOR FINISH FLOAT GLASS FACE OF CONCRETE FACE OF CONCRETE</th>	FLANGE FLOOR FLOOR SINK FLOOR PLATE FLOOR FINISH FLOAT GLASS FACE OF CONCRETE FACE OF CONCRETE
FLDG_	FLOOR SINK FLOOR SINK FLOOR SINK FLOOR PLATE FLOOR FINISH FLOOR FINISH FLOOR SINK FLUORESCENT FACE OF CONCRETE FACE OF CONCRETE FACE OF STUD
FLDG_	FLANGE FLOOR FLOOR SINK FLOOR PLATE FLOOR FINISH FLOOR FINISH FLOOR FINISH FLOOR FINISH FACE OF CONCRETE FACE OF MASONRY FACE OF STUD FIREPLACE FIREPROOFING
FLDG_ - <th>FLANGE FLOOR FLOOR SINK FLOOR FINISH FLOOR FINISH FLOOR FINISH FLOOR FINISH FLOOR FINISH FACE OF CONCRETE FACE OF MASONRY FACE OF STUD FIREPLACE FIREPROOFING FRONT</th>	FLANGE FLOOR FLOOR SINK FLOOR FINISH FLOOR FINISH FLOOR FINISH FLOOR FINISH FLOOR FINISH FACE OF CONCRETE FACE OF MASONRY FACE OF STUD FIREPLACE FIREPROOFING FRONT
FLDG_	FLANGE FLOOR FLOOR SINK FLOOR PLATE FLOOR FINISH FLOAT GLASS FLOAT GLASS FACE OF CONCRETE FACE OF MASONRY FACE OF STUD FACE OF STUD FIREPLACE FIREPROOFING FRAME FRONT FAR SIDE FLAT SCREEN
FLDG_	FLANGE FLOOR FLOOR SINK FLOOR SINK FLOOR PLATE FLOOR FINISH FLOOR FINISH FLOOR FINISH FACE OF CONCRETE FACE OF CONCRETE FACE OF CONCRETE FACE OF STUD FACE OF STUD FIREPROOFING FRAME FRONT FAR SIDE FAR SIDE FIRE STANDPIPE
FLDG_	FLANGE FLOOR FLOOR SINK FLOOR SINK FLOOR PLATE FLOOR FINISH FLOOR FINISH FLOOR FINISH FACE OF CONCRETE FACE OF CONCRETE FACE OF CONCRETE FACE OF STUD FACE OF STUD FACE OF STUD FACE OF STUD FRAME FRONT FRONT FAR SIDE FLAT SCREEN FULL SIZE FIRE STANDPIPE FASTENER FOOTING
FLDG_	FLANGE FLOOR FLOOR SINK FLOOR PLATE FLOOR PLATE FLOOR FINISH FLOOR FINISH FACE OF CONCRETE FACE OF CONCRETE FACE OF MASONRY FACE OF STUD FACE OF STUD FACE OF STUD FRAME FRONT FRAME FRONT FAR SIDE FLAT SCREEN FULL SIZE FIRE STANDPIPE FASTENER FOOTING FURRING FUTURE
FLDG_	FLANGE FLOOR FLOOR SINK FLOOR PLATE FLOOR FINISH FLOOR FINISH FLOOR FINISH FLOOR FINISH FACE OF CONCRETE FACE OF CONCRETE FACE OF CONCRETE FACE OF STUD FACE OF STUD FACE OF STUD FREPLACE FRONT FRAME FRONT FAR SIDE FAR SIDE FAR SIDE FASTENER FOOTING FULL SIZE FASTENER FOOTING FUTURE FUTURE FIXTURE FIXTURE GALVANIZED

BL	BASE LINE
BLDG	BUILDING
BLK	
BLKG	
BLKHD	BULKHEAD
BLSI	BALLASI
BM	
BO	BOTTOM OF
BOC	BACK OF CURB
BOW	BOTTOM OF WALL
BP	BASE PLATE
BRCG.	BRACING
BRDG JST.	BRIDGING JOIST
BRDG	BRIDGING
BRG	BEARING
BRG PL	BEARING PLATE
BRK	BRICK
BRKT	BRACKET
BRS	BRASS
BR7	BRONZE
BS	BOTH SIDES
BSMT	BASEMENT
BTM	BOTTOM
BUR	BUILT-UP ROOF
BW	BOTH WAYS
	CENTER TO CENTER
COMM	
CONC FL	CONCRETE FLOOR
CONF	
2 X 2 X 8 I 8 I	CONNECTION

REFERENCE SYMBOLS

CONNL CONSTRUCTION

CONT_____CONTINUOUS

SIM				
(<u>1</u> (<u>A101</u>)	DETAIL OR SECTION NUMBER SHEET ON WHICH IT IS FOUND	<u>CLASSROOM</u> 101	ROOM IDENTIFIER	
1 VIEW NAME SCALE: 1/8" = 1'-0"	DETAIL REFERENCE NUMBER	101	DOOR/OPENING IDENTIFIER	
1 SIM A101	SECTION REFERENCE	1t	WINDOW/OPENING IDENTIFIER	REVISION TAG INFORMATION:
1 SIM	DETAIL REFERENCE	0	GRID LINE	TOP indicates the instrument type. A = Addendum B = Bid Package D = Construction Change Directiv F = Field Order
A101 1 (A101)	ELEVATION REFERENCE	FIN. FLR. 100'-0"	ELEVATION REFERENCE	G = Guaranteed Maximum Price I = Architects Supplemental Inst L = Limited Permit P = Proposal Request, Proposal R = Request For Information
1 SIM A101	CROSS SECTION REFERENCE	<u>1i</u> >	WALL TYPE REFERENCE	
<u></u>				

DETAIL SECTION REFERENCE

KEY NOTE

CI	LA	RK	Z
EI	NE	RS	EN

Architecture \ Engineering \ Interior Design Landscape Architecture \ Planning

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Lincoln, Nebraska Kansas City, Missouri Fairway, Kansas Portland, Oregon Omaha, Nebraska

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General Notes, Symbols & Abbreviations

G0.01

SLS	SUB-FLOOR LEVELING SYSTEM
SLV SM	SHEET METAL
SMLS SP	
SPCL SPEC	SPECIAL
SPKLR	
SPRT	
SQ	
SQIN SQYD	
SSK	
SSM ST	SOLID SURFACING MATERIAL
ST	STREET
STC	SOUND TRANSMISSION CLASS
STIR	
STL JST STL PL	STEEL JOIST
STL STN	STEEL STONE
STOR	
STRUCT STL_	STRUCTURAL STEEL
SUPPL SURF	SUPPLEMENT
SUSP SUSP CLG	SUSPENDED
SVB	
SYM	
SYST	
1&B T&G	
I TB	TABLE
TB-xx TC	
TD	TRENCH DRAIN
TECH	
THK IEN	JANT FURNISHED-TENANT INSTALLED
THRES THRU	
TKBD TLT	TACKBOARD
TOF	
TOFF	
TOL TOS	
TOT TOW	
TRNBKL TS	
TS	
UDRLMNT	
	UNDERWRITERS LABORATORY
UNFIN UNO	UNLESS NOTED OTHERWISE
UPS.	UNINTERRUPTIBLE POWER SUPPLY
UTIL	UTILITY VOLT
VB	
VB VCT	
VDB VERT	
VEST VIB	VESTIBULE
VNR VOL	VENEER
VR	
VWC	
W/W	WALL TO WALL
W/O W	
WC	WATER CLOSET
WCPI	· · · · · · · · ·WALL CARPET
WDD	WOOD DOOR
WF	WIDE FLANGE
WGL	WIRE GLASS
WH	
WL	
WED	WATER RESISTANT
WS WSCT	
WT WTR	WEIGHT
WTRPRF	WATERPROOFING
X SECT_	CROSS SECTION

N/A _____NOT APPLICABLE NEG ______NEGATIVE NEAR FACE NOT IN CONTRACT - - - - - - - - -. _ NUMBER _NOMINAL _OVERALL ON CENTER OUTSIDE DIAMETER - - - - - - - - -_____OVERFLOW DRAIN _OUTSIDE FACE QWNER FURNISHED/CONTRACTOR INSTALL OFFICI _ _ OWNER FURNISHED-OWNER INSTALLED OVERHEAD DOOR OPERABLE _OPENING **OPPOSITE** _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ OPTIONAL _OPEN TO ABOVE _OVERHEAD ____OXYGEN _OUNCE PRECAST PARALLEL PARGING PANIC BAR PARTICLE BOARD _PORTLAND CEMENT PC_____PORTLAND CEMENT PCP_____PORTLAND CEMENT PLASTER PERFORATED _PERIMETER PERM_ PERP. PFRMANFNT . PERPENDICULARPANEL FABRIC PRE-FINISHED PANEL - - - - - - - - -PGBD. PEGBOARD PH_ _ _ _ PHASE _PLATE PLATE _____PLATE ____PLASTIC LAMINATE _____PLASTIC LAMINATE _____PLASTIC LAMINATE _____PLASTER _____PLASTER _PLATFORM _PLUMBING PLYWOOD POL_____ POLY_____ POLISHED POLYSTYRENE _ _ _ _POLYSTYRENE POLYISO_____POLYISOCYANURATE PAIR PAIR PREFABRICATED PRELIMINARY PRKG _ _ _ _ PARKING PROJ. .PROJECT PS_____PROJECTION SCREEN PT_____PAINT PAINI _____PORCELAIN TILE _____PARTITION _PAVING PAVEMENT _POWER QUARRY TILE QUANTITY _____QUALITY RUBBER BASE REINFORCED CONCRETE RC_____RECEIVED REC______RECEIVED RECD______RECEIVED RECPT______RECEPTACLE RECT______RECTANGULAR REFERENCE REINFORCEMENT REMOVABL _REQUIRED _RESILIENT - - - - - - -RECESSED FLOOR MAT ROOFING RIGHT HAND _ _ _ _ _ _ _ _ _ . _ROUND _RUBBER STAIR TREAD - - - - - - -RUBBER TILF _ROOF VENT REVERSE _SOUTH SEATING SALVAGE _SPLASH BLOCK _SOLID CORE SCHEDU SOLID CONCRETE MASONRY UNIT

MTG_____

.

OFOI

OHD_ OPER_

OPNG_

OTA_ OTFA_

OTS_ OVHD_

PERF_

PLAM _ PLAS_ PLAT_ PLBG_

PREFAB

PRELIM_

RCP_

REINF_

REM_

RFSII

RFM_

RFG_

SCMU

SCRN.

REQD_

PERIM_

OPP.

.

. MULT_______MULTIPLE MVBL______NOVABLE N_____NORTH

_____MORTAR

_MEETING

MULLION

. METAL

TORM DRAIN SHOWER _SHELVES SIM SIM SIMULAR SJ_ ____SLIP JOINT SK_ ____SINK SLA_ _____SLATE SLP_ ____SLOPE

.

MATCH LINE

DEMOLITION INDICATOR

REVISION TAG & CLOUD INDICATOR

SCREEL

GENERAL NOTES

- 1. ALL DISCIPLINES SHALL BE RESPONSIBLE FOR THEIR SCOPE OF WORK. THIS WORK IS TO BE SCHEDULED AND COMPLETED WITH THE GENERAL CONTRACTOR'S FULL KNOWLEDGE.
- 2. ALL DIMENSIONS LOCATING PLUMBING FIXTURES ARE FROM FINISH MATERIAL NOT FROM GPDW SHEATHING.
- FINAL CLEANING REMOVE OR REPAIR DAMAGED OR SOILED 3 SPOTS ON NEWLY PAINTED WALLS AND ON ALL NEWLY INSTALLED WORK. REMOVE DUST AND DEBRIS FROM ALL NEW WORK.

ective or Change Directive

- I Instructions or Architects Supplemental Information
- osal Request Order or Change Proposal Request
- e number assigned to instrument type.



CODE SYMBOL LEGEND

SYMBOL	DESCRIPTION	PROTECTION ELEMENTS
	<u>CLEAR WIDTH</u> <u>MAX EGRESS LOAD</u> ASSUMED EGRESS LOAD	
55 ➡]_	EXIT - INTERIOR (assembly occ. over 50 and exits from floors.)	
•	FIRE EXTINGUISHER	
Т	FIRE DEPARTMENT CONNECTION (FDC)	
\succ	STANDPIPE	
-	HOSE CABINET	
•	HOSE CABINET WITH EXTINGUISHER	
*	PUBLIC FIRE HYDRANT	
	FIRE EXTINGUISHER SPACING (radius)	
	SMOKE BARRIER	1-hour resistive rated walls. 20-minute door assembly. Smoke dampers.
	1 HOUR FIRE BARRIER (occupancy & incidental use)	1-hour fire barrier wall construction. 1-hour rated door assembly for shaft, exit enclosure, & exit passageway wall. 45-min rated door assembly in other fire barriers. Fire dampers.
	2 HOUR FIRE BARRIER (occupancy)	2-hour fire barrier wall construction. 1 1/2-hour rated door assembly. Fire dampers.
	3 HOUR FIRE BARRIER (occupancy)	3-hour fire barrier wall construction. 3-hour rated door assembly. Fire dampers.
	4 HOUR FIRE BARRIER (occupancy)	4-hour rated wall assembly. 3-hour rated door assembly. Fire dampers.
-2-2-	2 HOUR FIRE WALL (building separation)	2-hour fire wall construction. 1 1/2-hour rated door assembly Fire dampers when ductwork penetration is allowed.
-3-3-	3 HOUR FIRE WALL (building separation)	3-hour fire wall construction. 3-hour rated door assembly. Fire dampers when ductwork penetration is allowed.
-4-4-	4 HOUR FIRE WALL (building separation)	4-hour fire wall construction. 3-hour rated door assembly. Fire dampers when ductwork penetration is allowed.
	FIRE PARTITION (dwelling / unit separations I-1 & R occupancies)	1-hour resistive rated walls. 45-minute rated door assembly. Fire dampers.
CONF. / A3 50	ROOM DESIGNATION	Room type / Occupancy type Maximum Allowable Occupants
40 90	Accumulated occupant loads for complex exit paths.	

GENERAL INFORMATION

LOCATION: Overland Trail Substation 401 South Overland Trail Fort Collins, CO 80521

PROJECT DESCRIPTION

APPLICABLE CODES

2021 - International Building Code (IBC) 2018 - International Plumbing Code (IPC) 2021 - International Mechanical Code (IMC) 2021 - International Fire Code (IFC) 2020 - National Electric Code (NEC) Americans With Disabilities Act Accessibility Guidelines (ADAAG) American National Standards Institute (ANSI) 117.1 Guidelines for Accessible & Useable Buildings & Facilities OCCUPANCY/ STRUCTURAL CLASSIFICATION

ACTIVE LIFE SAFETY SYSTEMS:

	• • =•
Fire Alarm:	Required/Provided
Smoke Detection:	Required/Provided
Exit Signs:	Required/Provided
Emergency Lighting:	Required/Provided
Suppression-Automatic:	None.
Fire Extinguishers:	Required/Provided

CODE ITEM

OCCUPANCY CLASSIFICATION:

CONSTRUCTION TYPE:

INCIDENTAL USE SEPARATIONS:

BUILDING HEIGHT: (2021 IBC TABLE 504.3 ALLOWABLE ACTUAL

BLDG. SQ. FT. : (2021 IBC TABLE 506.2) ALLOWABLE PER FLOOR ACTUAL

FIRE RESISTIVE REQUIREMENTS:

(2021 IBC TABLE 601) STRUCTURAL FRAME EXT. BEARING WALLS INT. BEARING WALLS EXT. NON-BEARING WALLS INT. NON-BEARING WALLS FLOORS ROOFS

PARKING REQUIREMENTS:

(2022 FORT COLLINS - LAND USE CODE / PARKING STALLS ADA PARKING STALL BICYCLE PARKING SPACES

PLUMBING FIXTURE CAL	CULATIONS										
	OCCUPANT		WATER CLOSETS (URINALS)			LAVATORIES			DRINKING FOUNTAINS		SERVICE SINK
OCCUPANCY	LOAD	RATIO	MALE	RATIO	FEMALE	RATIO	MALE	FEMALE	RATIO	REQ'D	REQ'D
BUSINESS - 150 GROSS	11	1/25	1	1/25	1	1/40	1	1	1/100	1	1
TOTAL REQUIRED				1		1		1		1	
TOTAL PROVIDED				1			1		()	0

AGENCY INFORMATION: City of Fort Collins Fort Collins, CO 80524

REASON FOR SUBMITTAL: Interior Renovation

Pre-existing substation building to be renovated into office space.

2010 - NFPA 110 - Standard for Emergency and Standby Power Systems 2009 - NFPA 90A - Installation of Air Conditioning and Ventilating Systems 2010 - NFPA 72 - National Fire Alarm Code 2009 - NFPA 54 - National Fuel Gas Code

2007 ASHREA 90.1

Single story existing building, Type IIIB, occupancy U, within zone L-M-N. Renovation to reclassify the occupancy to B and rezoned TBD.

	PASSIVE LIFE SAFETY	SYSTEMS:
d: Per NFPA 72	Corridor ratings:	None.
d: Per NFPA 72	Stairwells:	1 hr. if less than 4 stories, 2hr. 4 stories or more
d: Emergency Generator	Shafts:	1 hr. if less than 4 stories, 2hr. 4 stories or more
d: Emergency Generator	Occupancy Separations:	None
d: Per NFPA 10	Fire Separations:	None.

	В	TOTAL BUILDING SQUARE FOOTAGE:	
		FIRST FLOOR	1,620 SF
	TYPE IIIB	TOTAL	1,620 SF
		ROOF AREA	2,320 SF
	NA		
		OCCUPANCY LOAD:	(IBC 2021 TABLE 1004.5)
3)		"B" OCCUPANCY	150 GROSS
	55'-0"	ACTUAL	1,620 / 150 = 11 OCCUANTS
	8'-10"		
		EXIT ACCESS TRAVEL DISTANCE:	(IBC 2021 TABLE 1017.2)
		"B" OCCUPANCY	200'-0"
		COMMON PATH OF EGRESS TRAVEL	(IBC 2021 TABLE 1006.2.1)
	19,00 sf	"B" OCCUPANCY	100'-0"
	1,620 sf		
		MAXIMUM DEAD-END CORRIDOR	(IBC 2021 1020.5)
		"B" OCCUPANCY	20'-0"
	0	EGRESS WIDTH:	(IBC 2021 1005.3)
	2	STAIRWAYS	0.3 inches per occupant
	0	OTHER COMPONENTS	0.2 inches per occupant
	0		
	0	INTERIOR WALL & CEILING FINISH	(2021 IBC TABLE 803.13)
	0		"B" OCCUPANCY
	0	Exit Enclosures & Passageways	CLASS A
		Corridors	CLASS B
		Rooms & Enclosed Spaces	CLASS C
A	RTICLE 3.2.2)	ELEVATOR RECALL	
	2	FIRE SERVICE ACCESS ELEV.	Not Required / Not Provided
	1	OCCUPANT EVAC. ELEV.	Not Required / Not Provided
	4 (INDUSTRIAL)	ELEV. EMERGENCY SHUTDOWN	Required / Provided

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<u>Design Development</u>

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Code Compliance Plan **G0.02**

AUTHORITY HAVING JURISDICTION: City of Fort Collins

2011 - NFPA 45 - Standard of Fire Protection for

2010 - NFPA 20 - Standard for the Installation of Stationary Fire Pumps for Fire Protection

2010 - NFPA 14 Standard for the Installation of

Standpipe, Private Hydrants and Hose Systems 2010 - NFPA 13 Installation of Fire Sprinkler Systems

Laboratories Using Chemicals





SCALE: 1/4" = 1'-0"

SCALE: 3/8" = 1'-0"





SCALE: 1/4" = 1'-0"

RAMP LANDINGS

ADA - RAMPS (405)



ADA - SIGNAGE MOUNTING (703)



CHANGE IN DIRECTION





MANEUVERING CLEARANCE IN AN ALCOVE, PARALLEL APPROACH



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ADA Details **G0.03**



ADA - TOILET ROOM ACCESSORIES SCALE: 3/8" = 1'-0"

-6" MAX. 6" MAX.

BACK WALL

WITHOUT SEAT

SIDE

WALL

SIDE WALL



ADA - LAVATORIES (606)

SCALE: 3/8" = 1'-0"

17"-25" TOE CLEARANCE DEPTH







TRANSFER TYPE SHOWER COMPARTMENT



STANDARD ROLL-IN TYPE SHOWER COMPARTMENT



ADA - SHOWER COMPARTMENTS (608)

SCALE: 1/4" = 1'-0"

40" 54" MIN. 42" MIN. 18" GRAB BAR - TP-1 — 42" GRAB BAR . ⊂ 0



PAPER TOWEL ISPENSER/ WASTE RECEPTACLE	RECESSED WASTE RECEPTACLE	SANITARY NAPKIN VENDOR	SOAP DISPENSER	BABY CHANGING STATION	ROBE HOOK
СОМВО	RECEFTAGEE				









ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE



ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT CONTROL LOCATION



ADA - WATER COOLER & BOTTLE FILLERS (602) SCALE: 1/4" = 1'-0"



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ADA Details **G0.04**



STRUCTURAL DECK ABOVE BACKER ROD & SEALANT

JOINT, BOTH SIDES OF WALL



ACOUSTICAL ATTENUATION BLANKETS WHERE INDICATED SCHEDULED BASE

- SEALANT, BOTH SIDES - SCHEDULED FLOORING

			INSULA	
Г	RATING	STC	TION	REMARKS
	NA	MIN.	3 1/2"	SEAL AT
(TO		44-48	SOUND	PERIMETER AND
RAL			BATT	ALL
				PENETRATIONS

	INTERIOR STEEL STUD FRAMING GAUGE TABLE (1)						
	STANDARD	DRAWING	MINIMUM	TYPE 1	TYPE 2 MAX. HEIGH	IT w/ BRACING (2)(3)	
	DESIGNATION	DESIGNATION	THICKNESS (4)	HEIGHT (2)	@ 48" O.C.	@ 72" O.C.	
	250S125-27	2 1/2" x 22 GA.	0.0269"	11' - 3"	11' - 3"	11' - 0"	
33 KS	250S125-33	2 1/2" x 20 GA.	0.0329"	12' - 0"	12' - 0"	12' - 0"	
Fy = (362S125-27	3 5/8" x 22 GA.	0.0269"	14' - 9"	14' - 9"	12' - 11"	
DS: I	362S125-33	3 5/8" x 20 GA.	0.0329"	15' - 10"	15' - 10"	14' - 10"	
STU	362S125-43	3 5/8" x 18 GA.	0.0428"	17' - 4"	17' - 4"	17' - 4"	
DNLΥ	600S125-27(5)	6" x 22 GA.	0.0269"	21' - 3"	21' - 3"	18' - 0"	
IOR (600S125-33	6" x 20 GA.	0.0329"	23' - 4"	23' - 4"	19' - 8"	
ITER	600S125-43	6" x 18 GA.	0.0428"	26' - 1"	26' - 1"	23' - 11"	
4	800S125-43	8" x 18 GA.	0.0428"	33' - 1"	33' - 1"	33' - 1"	
(SI	362S162-54	3 5/8" x 16 GA.	0.0538"	20' - 4"	20' - 4"	20' - 4"	
= 50	600S162-54	6" x 16 GA.	0.0538"	30' - 5"	30' - 5"	27' - 7"	
Fy :	800S162-54	8" x 16 GA.	0.0538"	38' - 4"	38' - 4"	38' - 4"	

1. TABLE SHALL BE USED FOR NON-LOAD BEARING INTERIOR WALLS ONLY.

2. DESIGN HEIGHTS BASED ON A 5 PSF UNREDUCED LATERAL PRESSURE w/ A DEFLECTION OF L/240 FOR NON-COMPOSITE STUDS. MAXIMUM STUD SPACING IS 16" O.C.

3. TYPE 2 WALLS ARE NOT ALLOWED WITHOUT BRACING.

4. MIN. 0.0329" THICK STUDS FOR CEMENT BOARD AND ABUSE RESISTANT GPDW APPLICATIONS. REF: WALL BOARD MANUFACTURERS REQUIREMENTS.

5. WEB STIFFENERS ARE REQUIRED AT STUD ATTACHMENT POINTS, SEE WEB STIFFENER

CONNECTION DETAIL ON SHEET A0.01 FOR WEB STIFFENER SIZE & ATTACHMENT.

GENERAL NOTES:

1) CONTRACTOR TO COORDINATE SPACING OF STUDS W/ MECH. AND ELECTRICAL DRAWINGS.

2) WHERE CERAMIC TILE IS INDICATED ON THE FINISH SCHEDULE CONTRACTOR SHALL INSTALL A TILE BACKING PANEL AND/OR CEMENT BOARD IN LIEU OF GPDW INDICATED. SEE SPECIFICATION FOR ADDITIONAL INFORMATION

3) SCHEDULED WALL TYPES THAT INCLUDE WALL TILE ALLOW FOR 1/2" TILE & SETTING BED THICKNESS IN THE LISTED "ACTUAL SIZE" DIMENSIONS.

4) WHERE PLYWOOD IS INDICATED ON THE DRAWINGS CONTRACTOR SHALL INSTALL PLYWOOD IN LIEU OF GPDW INDICATED. SEE ELECTRICAL AND ARCHITECTURAL SHEETS FOR PLYWOOD LOCATIONS.

5) REF: SLIP CONNECTION DETAILS THIS SHEET FOR APPLICABLE TOP OF WALL CONDITIONS AT WALL TYPES.

6) STC-RATED ASSEMBLIES AND PARTITIONS INDICATED TO RECEIVE SOUND INSULATION: SEAL CONSTRUCTION AT PERIMETERS, BEHIND CONTROL JOINTS AND AT OPENINGS & PENETRATIONS WITH A CONTINUOUS BEAD OF ACOUSTICAL JOINT SEALANT. INSTALL ACOUSTICAL JOINT SEALANTS AT BOTH FACES OF PARTITIONS, AT PERIMETER AND THROUGH PENETRATIONS.

7) ALL WALL FRAMING THAT DOES NOT EXTEND TO STRUCTURE OR DECK SHALL BE BRACED AT 48" O.C. MIN.

8) PAINT WALLS PER ROOM FINISH SCHEDULE.

9) ALL WALL BOARD IN MECHANICAL ROOMS SHALL BE MOLD & MOISTURE RESISTANT DRYWALL.



— MIL DESIGN THICKNESS (1/1000 INCH) — WEB DEPTH (1/100 INCH)

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Wall Type Schedule & Details

A0.00





	INTERIOR FRAMING STEEL STUD HEADER SCHEDULE (1)							
	WALL STUD	MINIMUM BASE METAL		HEADER STUD	KING STUDS	5		
	WIDTH	THICKNESS	(4)	(3)(4)(5)	DESIGNATION	#	LENGTH (2)	
	0 1/0"	0.0269"	250T125-27	250S125-27	250S200-54	1	6' - 8"	
	2 1/2	0.0329"	250T125-33	250S125-33	250S200-54	1	7' - 1"	
		0.0260"	2607125.07	362S125-27	362S200-54	1	6' - 10"	
33 KS		0.0209	3021123-27	600S125-27(6)	600S200-54	1	8' - 1"	
Fy = ;	2 5/0"	0.0220"	2607105 22	362S125-33	362S200-54	1	7' - 5"	
3 5/8"	0.0329 302	3021120-33	600S125-33	600S200-54	1	8' - 7"		
' STL	STU	0.0409"	2607125 42	362S125-43	362S200-54	1	8' - 2"	
ONLY		0.0420	3021123-43	600S125-43	600S200-54	1	9' - 0"	
IOR (0.0269"	600T125-27	600S125-27(6)	600S200-54	1	5' - 11"	
ITER	6"	0.0329"	600T125-33	600S125-33	600S200-54	1	6' - 5"	
≤	U	0.0409"	COOT125 42	600S125-43	600S200-54	1	7' - 8"	
		0.0420	0001120-43	800S125-43	800S200-54	1	8' - 6"	
	8"	0.0428"	800T125-43	800S125-43	800S200-54	1	7' - 2"	
٤I	3 5/8"	0.0538"	362T125-54	362S162-54	362S200-54	2	9' - 8"	
= 50	6"	0.0538"	600T125-54	600S162-54	600S200-54	2	10' - 11"	
Fy	8"	0.0538"	800T125-54	800S162-54	800S200-54	2	10' - 11"	

1. TABLE SHALL BE USED FOR NON-LOAD BEARING INTERIOR WALLS ONLY.

2. DESIGN LENGTHS BASED ON A HEADER ABOVE A 7'-0" TALL OPENING, A 12 PSF WALL WEIGHT & A 5 PSF LATERAL AIR PRESSURE OVER THE TYPE 1 MAXIMUM WALL HEIGHT w/ A MAXIMUM DEFLECTION OF L/240.

3. HEADER STUDS 0.0538" & THICKER SHALL NOT HAVE WEB PUNCHOUTS. 4. HEADER STUDS & TRACKS SHALL OF THE SAME THICKNESS & STEEL GRADE OF WALL STUDS.

HEADER TRACK WIDTHS SHALL ALSO BE OF THE SAME WIDTH OF WALL STUDS.

5. STUD THICKNESSES SHOWN IN TABLE ARE MINIMUM REQUIRED, LARGER THICKNESSES

MAY BE SUBSTITUTED.

6. WEB STIFFENERS ARE REQUIRED ABOVE BEARING POINTS AT ENDS OF BACK-TO-BACK HEADER STUDS. SEE WEB STIFFENER CONNECTION DETAIL THIS SHEET FOR WEB STIFFENER SIZE & ATTACHMENT.



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Typical Interior Stud Framing Details





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2 Site Plan - Callout 1 SCALE: 1/4" = 1'-0"



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Site Plan



DEMOLITION KEY NOTES A-WALLS

REMOVE EXISTING GYP. BOARD & STUD FRAMED WALL PARTITION IN ITS ENTIRETY FROM FLOOR TO TOP OF WALL TO THE EXTENT SHOWN, INCLUDING BUT NOT LIMITED TO GYP. BOARD, TRIM(S), FRAMING, ELECTRICAL, AND MECHANICAL, (STRUCTURAL STEEL TO REMAIN). REMOVE ELECTRICAL AND MECHANICAL BACK TO JUNCTION OR MAIN SUPPLYING UTILITY AND CAP. REPAIR WALL, FLOORING, CEILING AND ADJACENT WALL(S), IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES. FLOORS REMOVE EXISTING CONCRETE SLAB ON GRADE TO THE EXTENT REQUIRED FOR NEW UNDER FLOOR MECHANICAL, PLUMBING OR ELECTRICAL. PREPARE SUB-GRADE TO RECEIVE NEW SLAB ON GRADE, COORDINATE EXTENT OF NEW FINISH FLOORING W/ INTERIOR FINISHES. REPAIR ADJACENT WALLS, IF APPLICABLE, TO MATCH EXISTING FINISH, OR COORDINATE W/ NEW CONSTRUCTION & INTERIOR FINISHES. EQUIPMENT & FURNISHINGS CAREFULLY REMOVE ALL UPPER AND LOWER CABINETS, COUNTERTOPS,

TABLES, AND DESKS. ALL REMOVED ITEMS MAYBE BE REUSED WITHIN THIS OR OTHER PROJECTS BY OWNER.

$\langle 1 \rangle$	KEY NOTES (FLOOR PLANS ONLY)
1	OWNER SUPPLIED WOORK STATIONS
2	EXISTING STORAGE SHELVING
3	EXISTING OWNER EQUIPMENT

2.

7.

GENERAL PLAN NOTES

- THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS SHOWN ON THE PLANS PRIOR TO COMMENCEMENT OF THE WORK. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE INSTALLATION OF NEW WORK WITHIN THESE EXISTING CONDITIONS. ANY DEVIATIONS IN EXISTING CONDITIONS OR DIMENSIONS INDICATED SHALL BE COORDINATED WITH THE ARCHITECT AND OWNER.
- ALL WALL / GENERAL PLAN DIMENSIONS ARE TO FACE OF MASONRY, FACE OF CONCRETE, AND TO FACE OF GYP. BOARD, TYP.
- CONSTRUCTION OF WALLS ARE DESIGNATED STARTING ON TAG SIDE OF WALL.
- ALL INTERIOR WALL FRAMING NOTED IN WALL TYPE SCHEDULE EXTENDS TO STRUCTURAL DECKING, BRACE AS REQUIRED. PROVIDE DEEP LEG SLIP TRACK AT TOP OF ALL INTERIOR WALLS / STUDS EXTENDING TO STRUCTURE TO ALLOW FOR DEFLECTION OF STRUCTURE.
- INTERIOR DOOR FRAMES SHALL BE INSTALLED WITH THE HINGE SIDE OF DOOR FRAME 4" FROM ADJACENT WALL, UNLESS OTHERWISE DIMENSIONED.
- PROVIDE BULLNOSE UNITS @ ALL DOOR AND WINDOW OPENINGS, END WALLS, AND OUTSIDE CORNERS IN CMU WALLS.
- ALL STEEL STUDS ARE MIN. 25 GA. UNLESS NOTED OTHERWISE. 20 GA STEEL STUDS REQUIRED AT ALL CEMENTITIOUS BACKER BOARD AND ABUSE RESISTANT GYPSUM BOARD AS SPECIFIED.
- 5/8" CEMENTITIOUS BACKER BOARD SHALL BE SUBSTITUTED FOR 8. GYP. BOARD IN ALL LOCATIONS WHERE CERAMIC AND /OR PORCELAIN WALL TILE FINISHES ARE TO BE INSTALLED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PRICING AND INSTALLATION OF APPROPRIATE FRAMING NEEDED FOR WALLS HEIGHT. REFER TO "INTERIOR STEEL STUD FRAMING GAUGE TABLE (1)" ON SHEET A0.00 FOR FRAMING GAGES AND STUD SIZING REQUIREMENTS.
- REFER TO CODE COMPLIANCE PLANS FOR LOCATION OF FIRE 10. RATED WALLS AND SMOKE SEPARATION WALL LOCATIONS AND REQUIREMENTS.
- ALL OPENINGS IN RATED ASSEMBLIES SHALL BE SEALED WITH FIRE / 11. SMOKE RATED MATERIALS AND ASSEMBLIES. INSTALL RATED JOINT SEALANTS AT BOTH FACES OF PARTITIONS, AT PERIMETERS, AND THROUGH FIRE RATED ASSEMBLIES. REFERENCE CODE COMPLIANCE PLANS FOR LOCATION OF RATED ASSEMBLIES.
- ALL STC-RATED WALL ASSEMBLIES AND PARTITIONS INDICATED 12. SHALL HAVE STAGGERED SHEATHING AND GYP. BOARD JOINTS ON OPPOSITE SIDES OF ASSEMBLIES. REFERENCE WALL TYPE SCHEDULE FOR SOUND ATTENUATION INSULATION REQUIRED WITHIN STUD CAVITIES. SEAL ASSEMBLIES AT CONSTRUCTION PERIMETERS, DECKING MATERIAL (TOP & BOTTOM), BEHIND CONTROL JOINTS, AND AT ALL OPENINGS AND PENETRATIONS WITH A CONTINUOUS BEAD OF ACOUSTICAL JOINT SEALANT. INSTALL ACOUSTICAL JOINT SEALANTS AT BOTH FACES OF ASSEMBLIES
- GENERAL CONTRACTOR SHALL COORDINATE REPAINTING OF WALLS 13. BETWEEN SUBCONTRACTORS AFTER EXISTING FIXTURES ARE SCHEDULED TO BE REMOVED AND PRIOR TO FIXTURES BEING REINSTALLED. REFER TO ELECTRICAL & MECHANICAL PLANS.
- 14. ALL WALL BOARD IN MECHANICAL ROOMS SHALL BE MOLD & MOISTURE RESISTANT DRYWALL.

GENERAL DEMOLITION NOTES

- THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL OF ALL SALVAGEABLE ITEMS.
- PROTECT ITEMS NOT BEING REMOVED FROM DAMAGE DURING 2. CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO 3. BIDDING TO DETERMINE THE TOTAL QUANTITIES AND SCOPE OF WORK THAT IS TO OCCUR AND COORDINATE ANY DISCREPANCIES WITH THE ARCHITECT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO 4. COORDINATE THE INSTALLATION OF NEW WORK WITHIN EXISTING CONDITIONS.
- ALL MATERIALS REMOVED AND NOT REUSED SHALL BECOME THE 5. PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE SPECIFICALLY DESIGNATED TO REMAIN THE PROPERTY OF THE OWNER.
- ALL WALLS INDICATED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY INCLUDING ALL ELECTRICAL RECEPTACLES, SWITCHES AND CONDUITS, TELEPHONE OUTLETS, WIRING, MECHANICAL PIPING, AND PLUMBING, ETC.
- REMOVE ALL SURFACE MOUNTED OBJECTS IN AREA OF WORK 7. THAT ARE ABANDONED AND NOT INTENDED FOR REUSE. PREPARE SURFACE FOR NEW FINISH.
- COORDINATE ALL DEMOLITION WORK BETWEEN TRADES. 8.
- CONTRACTOR SHALL NOTIFY THE ARCHITECT IF DEMOLITION WORK APPEARS TO AFFECT THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING BEFORE PROCEEDING WITH DEMOLTION ACTIVITIES.
- 10. REFER TO REFLECTED CEILING PLANS, MECHANICAL SHEETS, & ELECTRICAL SHEETS FOR ADDITIONAL DEMOLITION INFORMATION.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING MATERIALS TO REMAIN RESULTING FROM WORK UNDER THIS CONTRACT, AND SHALL RESTORE SUCH DAMAGE TO IT'S ORIGINAL CONDITION.
- 12. BEFORE DEMOLITION BEGINS, CONTRACTOR SHALL CONFER WITH THE OWNER AND/OR BUILDING USERS TO SCHEDULE DISRUPTION OF DAILY ACTIVITIES.
- 13. ALL PRODUCTS AND EQUIPMENT SHALL BE KEPT CLEAN AND SAFE. DISPOSE OF DEBRIS DAILY AND CLEAN AREAS OF WORK UPON COMPLETION.
- PURSUANT TO THE FEDERAL OSHA EMPLOYEE RIGHT-TO-KNOW 14. ACT, THE CONTRACTOR IS HEREBY ADVISED THAT A POTENTIAL FOR LEAD HAZARD EXISTS. LEAD PAINT CAN BE PRESENT ON OLDER PAINTED SURFACES. THE CONTRACTOR IS ADVISED THAT HE/SHE IS RESPONSIBLE TO COMPLY WITH THE FEDERAL STANDARDS FOR LEAD PAINT IN THE CONSTRUCTION INDUSTRY THAT WERE ADOPTED IN JUNE OF 1993 BY OSHA.CFR 29 PART 1926.62. THESE REGULATIONS REQUIRE THE CONTRACTOR TO DEVELOP WORK STRATEGIES WHEN WORKING WITH LEAD TO MINIMIZE AND PROTECT WORKERS FROM LEAD HAZARDS.
- CONSTRUCTION AREA SHALL BE KEPT CLEAN AND SAFE. DISPOSE 15. OF DEBRIS DAILY AND CLEAN AREAS OF WORK UPON COMPLETION.
- FINAL CLEANING SHALL INCLUDE THE FOLLOWING: 16. REMOVE LABELS THAT ARE NOT INTENDED TO BE
- PERMANENT. CLEAN ALL TRANSPARENT SURFACES, INCLUDING MIRRORS AND GLASS IN DOORS AND WINDOWS.
- CLEAN EXPOSED SURFACES AND INTERIOR HARD-SURFACED FINISHES TO A DUST-FREE CONDITION

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2 **ROOF PLAN** SCALE: 1/4" = 1'-0"

ROOF PLAN GENERAL NOTES:

- 1. ALL ROOFING SHALL BE INSTALLED IN ACCORDANCE WITH THE NRCA ROOFING MANUAL: MEMBRANE ROOF SYSTEMS 2007.
- 2. ROOFING SYSTEM SHALL BE A <u>60mil MECHANICALLY FASTENED EPDM ROOFING</u> <u>SYSTEM OVER POLYISOCYANURATE ROOF INSULATION. SYSTEM SHOULD</u> <u>QUALIFY FOR A MINIMUM 20 YEAR WARRANTY</u>.
- 3. VERIFY ALL MECHANICAL PENETRATIONS WITH MECHANICAL AND FOOD SERVICE DRAWINGS AND MECHANICAL CONTRACTOR.

REFLECTED CLG GENERAL NOTES:

- 1. LIGHTING FIXTURES AND MECHANICAL DIFFUSERS / GRILLES ARE SHOWN FOR REFERENCE ONLY, SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR EXACT LOCATIONS
- 2. ELEVATION TAGS ARE IN REFERENCE TO ARCHITECTURAL ELEVATIONS
- 3. WHERE CEILINGS ARE EXPOSED TO STRUCTURE ABOVE, PAINT ALL UNFINISHED MATERIALS OVERHEAD INCLUDING, BUT NOT LIMITED TO ROOF DECKING, DUCTS, PIPES, CONDUITS & JUNCTION BOXES; SEE FINISH SHEETS FOR PAINT.

REFLE	ECTED CLG LEGEND
	RECESSED & PENDANT MOUNTED LIGHT FIXTURES, REF: ELECTRICAL
0	RECESSED DOWNLIGHT, REF: ELECTRICAL
۵	EXIT SIGNAGE, REF: ELECTRICAL
	RETURN AIR / EXHAUST AIR GRILLE, REF: MECHANICAL
	SUPPLY AIR DIFFUSER, REF: MECHANICAL.

1 KEY NOTES (ROOF PLAN ONLY) EXISTING STANDING SEAM ROOF, BEIGE FINISH



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RCP & Roof Plan









NO ARCHITECTURAL EXTERIOR CHANGES ARE TO BE MADE

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4 SOUTH ELEVATION SCALE: 1/4" = 1'-0"





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Exterior Elevations A2.01

ROOF 8' - 10"

ROOF 8' - 10"

NO ARCHITECTURAL EXTERIOR CHANGES ARE TO BE MADE







MODEL NUMBER | FURNISHED BY | INSTALLED BY | REMARKS MANUFACTURER

RESTROOM GENERAL NOTES:

FIXTURE SCHEDULE								
DESCRIPTION	TYPE	MOUNTING LOCATION						
	STANDARD	38"-43" A.F.F. TO SPOUT						
	ADA*	36" MAX. A.F.F. TO SPOUT						
TOULET	STANDARD	15" A.F.F. TO TOP OF SEAT						
TOILET	ADA*	17" A.F.F. TO TOP OF SEAT						
	CHILD (CHD)	REF: SHEET G0.21 FOR REQUIREMENT BY AGE						
	STANDARD	24" A.F.F. TO RIM						
	ADA*	15" A.F.F. TO RIM, VERIFY W/ MFR.						
CINIC	STANDARD	34" A.F.F. TO RIM						
SINK	ADA*	34" A.F.F. TO RIM						
	CHILD (CHD)	30" A.F.F. TO RIM (UNO)						
MIRDOR	ABOVE SINK	40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE						
	WITHOUT SINK	35" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE						
CRAP BAD	BACK BAR*	6" TO WALL - 35" A.F.F. TO TOP OF BAR						
GRAB BAR	SIDE BAR*	12" TO WALL - 35" A.F.F. TO TOP OF BAR						
	VERTICAL BAR*	40" TO WALL - 40" A.F.F. TO BOTTOM OF BAR						
TOILET TISSUE DISPENSER	VERIFY W/ MANUF.	REF: SHEET G0.21 FOR MOUNTING RANGE						
PAPER TOWEL DISPENSER	VERIFY W/ MANUF.	REF: SHEET G0.21 FOR MOUNTING RANGE						
SANITARY NAPKIN DISPOSAL	VERIFY W/ MANUF.	BELOW GRAB BAR - REF: SHEET G0.21 FOR MOUNTING RANGE						
ELECTRIC HAND DRYER	VERIFY W/ MANUF.	34" A.F.F. TO TOP OF HAND DRYER						
BABY CHANGING STATION	VERIFY W/ MANUF.	33" A.F.F. TO TOP OF BED WHEN OPENED.						
CHILD SAFETY SEAT	VERIFY W/ MANUF.	14" A.F.F. TO BOTTOM OF SEAT						

*TO COMPLY WITH 2010 ADA STANDARDS OF ACCESSIBLE DESIGN AND MFR. RECOMMENDATIONS.



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Enlarged Plans & Details A4.01

Plot File



DOOR & FRAME TYPE GENERAL NOTES

- 1. PROVIDE SAFETY GLAZING OR FIRE-PROTECTION-RATED GLAZING IN LOCATIONS REQUIRED BY CURRENT LOCAL CODE. NOTIFY ARCHITECT OF CHANGES REQUIRED TO THE DRAWINGS. PROVIDE OBSCURE GLAZING AS INDICATED.
- 2. INTERNATIONAL BUILDING CODE.
- ALL DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS TO BE PROVIDED BY SUPPLIER W/ 3. ADJUSTMENTS MADE FOR INSTALLATION TOLERANCES REQUIRED. VERIFY ALL EXISTING OPENINGS PRIOR TO ORDER OF ALL NEW DOORS, DOOR FRAMES AND WINDOW FRAMES.
- SEE FLOOR PLANS FOR DIRECTION OF DOOR SWINGS. 4. 5.

6.

10.

- WITH ELECTRICAL TRADES, FINISH HARDWARE AND ELECTRONIC EQUIPMENT.
- 7. FRAMING DESIGNED WITH INSULATED AND NON-INSULATED GLAZING AS NOTED ON THE DRAWINGS.
- 8. FINISH FACE OF THE ADJACENT WALLS UNLESS OTHERWISE NOTED.
- CURTAIN WALL WINDLOADS AND DEADLOADS ENGINEERED BY WINDOW SUPPLIER. WINDLOAD 9. MULLIONS IN LONGER FRAMES AS REQUIRED.
- VERIFY HOLLOW METAL FRAME FINISH WITH FINISH SCHEDULE.
- 11. THE SHOP DRAWINGS. NOTIFY ARCHITECT OF ANY CHANGES OR DEVIATIONS.
- 12. BORROWED LIGHT LOCATIONS SHALL BE AS INDICATED ON THE PLAN DRAWINGS AND SHALL BE REFLECTED IN THE SHOP DRAWINGS. NOTIFY ARCHITECT OF ANY CHANGES OR DEVIATIONS.



HOLLOW METAL DOOR TYPES





HOLLOW METAL FRAME TYPES

PROVIDE AND INSTALL SAFETY GLAZING IN LOCATIONS AS PER SECTION 2406 & 2408 OF THE 2018

REFER TO WALL TYPE THICKNESS FOR THROAT DEPTHS OF HOLLOW METAL DOOR AND WINDOW FRAMES INSTALLED IN STEEL STUD WALLS W/ GYPSUM. HOLLOW METAL DOOR AND WINDOW FRAMES INSTALLED IN PRECAST, CAST-IN PLACE OR C.M.U. WALLS SHALL HAVE A STANDARD 6" NOMINAL THROAT DEPTH AND SHALL BE CENTERED IN THE WALL, UNLESS NOTED OTHERWISE.

ALL INTERIOR HOLLOW METAL DOOR FRAMES SHALL BE FILLED FULL W/ BATT INSUL. COORDINATE

ALL EXTERIOR ALUMINUM WINDOW FRAMING WERE DESIGNED TO EFCO SERIES 403 OR AS NOTED ON THE DRAWINGS WITH <u>1" INSULATED LOW 'E' GLAZING.</u> INTERIOR HOLLOW METAL WINDOW

ALL INTERIOR DOOR FRAMES OF C.M.U. WALLS BEGIN 4" FROM THE FINISH FACE OF THE ADJACENT WALLS, AND ALL INTERIOR DOOR FRAMES OF STUD WALLS W/ GYPSUM WALLS BEGIN 4" FROM THE

ANCHORS SUPPLIED BY WINDOW SUPPLIER. DEADLOADS TO TRANSFER TO FOUNDATION. SEE STRUCTURAL DRAWINGS FOR WINDLOAD AND DEADLOAD REQUIREMENTS. PROVIDE EXPANSION

MULLION LOCATIONS SHALL BE AS INDICATED ON THE DRAWINGS AND SHALL BE REFLECTED IN

(FW) INDICATES 1/4" WIRE SAFETY GLASS.

PROVIDE GLAZING PANELS AS INDICATED.

- INDICATES 1" CLEAR INSULATING VISION GLASS
- INDICATES 1/4" LAMINATED SAFETY GLASS.
- (LIG) INDICATES 1" LAMINATED INSULATED SAFETY GLASS.
- (S) INDICATES SPANDREL GLASS

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Door Schedule, Door





FLOOR LINE

*TO COMPLY WITH ADA REQUIREMENTS.

(A) INDICATES 1" INSULATED ALUMINUM PANEL. INDICATES 1/4" FLOAT GLASS. (F)



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CARPE	Г			PAINT			
CPT-1	MANUFACTURER:	MOHAWK		PT-1	MANUFACTURER:	MATCH EXISTING	
	PRODUCT:	TBD			HUE:	MATCH EXISTING	
CERAMIC CT-1 M CT-1 M CT-1 M CTB-1 M F S CTB-1 M F S	SIZE:	TBD			FINISH:	MATCH EXISTING	
	COLORWAY:	TBD			APPLICATION:	MATCH EXISTING	
CT-1 M	INSTALLATION			PT-2	MANUFACTURER:	SHERWIN WILLIAM	
CERAM	IC WALL TILE				HUE:	TBD	
CT-1	MANUFACTURER:	TBD			FINISH:	TBD	
	PRODUCT:	TBD			APPLICATION:		
	SIZE:	TBD		PLASTI	C LAMINTAE		
	COLORWAY:	TBD		PL-1	MANUFACTURER:	FORMICA	
CT-1 M (((((((((((((((((((APPLICATION:	WALL			PRODUCT:	TBD	
CTB-1	MANUFACTURER:	TBD			COLORWAY:	TBD	
	PRODUCT:	TBD			APPLICATION:		
	SIZE:	TBD		RESILIENT BASE			
	COLORWAY:	TBD		RB-1	MANUFACTURER:	TO MATCH EXISTI	
	APPLICATION:	WALL			PRODUCT:	TO MATCH EXISTI	
EPOXY	FLOORING AND WA	LL BASE			COLORWAY:	TO MATCH EXISTI	
EPX-1	MANUFACTURER:	TNEMEC			APPLICATION:	TO MATCH EXISTI	
	PRODUCT:	TBD					
	SAMPLE:						
	COLORWAY:	TBD					
	INST.	SEE SPECIFICATION					

ROOM FINISH SCHEDULE														
				FLOOR		NORTH	I WALL	EAST	WALL	SOUTH	I WALL	WEST	WALL	
ROOM NO.	ROOM NAME	Level	MTL.	FIN.	BASE	MTL.	FIN.	MTL.	FIN.	MTL.	FIN.	MTL.	FIN.	REMARK NO.
102	SERVER AREA	FIRST FLOOR	EXST	CPT / EXST	RB-1	EXST	EXST	EXST	EXST	EXST	EXST	GPWD	PT-X	
103	WORK STATIONS	FIRST FLOOR	EXST	CPT / EXST	RB-1	GPWD	PT-X	-	-	EXST	PT-X	EXST	PT-X	
104	KITCHENETTE	FIRST FLOOR	EXST	EXST	RB-1	-	-	-	-	-	-	GPWD	PT-X	
106	TOILET	FIRST FLOOR	EXST	EPX-1	CTB-1 / EPX-1	GPWD	PT-X	GPWD	CT-1	GPWD	CT-1	GPWD	PT-X	
106A	WATER ROOM	FIRST FLOOR	EXST	EXST	RB-1	EXST	PT-X	GPWD	PT-X	GPWD	PT-X	PT-X	EXST	

ROOM FINISH SCHEDULE REMARKS REMARK

NO.

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FINISH EQUIPMENT

(X-X	MANUFACTURER:	
	PRODUCT:	
	COLORWAY:	
	PROFILE:	
(X-X	MANUFACTURER:	
	PRODUCT:	
	COLORWAY:	
	PROFILE:	
(X-X	MANUFACTURER:	
	PRODUCT:	
	COLORWAY:	
	PROFILE:	

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ROOM FINISH GENERAL NOTES

- PAINT ALL HOLLOW METAL DOORS & FRAMES TO MATCH ADJACENT WALL COLOR, TYP. 1.
- RUBBER BASE SHALL NOT BE APPLIED TO CMU AND 2. CONCRETE WALLS, TYP.
- SEE INTERIOR ELEVATIONS AND FINISH FLOOR PLAN FOR EXTENT OF PAINT AND WALL COVERING FINISHES 3. DESIGNATED ON FINISH SCHEDULE.
- SEE INTERIOR WALL ELEVATIONS AND FINISH FLOOR PLAN 4. FOR EXTENT OF TILE FINISHES. PCB-1 SHALL BE APPLIED TO WALLS WITH PAINTED FINISH, TYP.
- 5. SEE REFLECTED CEILING PLAN.

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401 South Overland Trail Fort Collins, CO

CE No.: 326-011-22

July 28, 2022

DRAFT PREPARED FOR PRELIMINARY SUBMISSION AND REVIEW ONLY --NOT FOR CONSTRUCTION.

First Floor Finishes Plan F1.01

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WASTE AND VENT PIPING PLAN

SCALE: 1/4" = 1'-0" GENERAL NOTES:

1. ALL NEW WORK IS SHOWN IN HEAVY LINEWEIGHT. ITEMS SHOWN IN LIGHT LINEWEIGHT ARE TO REMAIN AS EXISITNG.









SINK PIPING ELEVATION







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<u>Design Development</u>

Overland Trail Substation

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Plumbing Floor Plans P1.01

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MECHANICAL AE AND SYMBOL

	ABBREVIATIONS
AFF	ABOVE FINISHED FLOOR
BTU	BRITISH THERMAL UNIT
CW	DOMESTIC COLD WATER
DW	DOMESTIC WATER
EA	EXHAUST AIR
EC	ELECTRICAL CONTRACTOR
EMCS	ENERGY MANAGEMENT AND CONTROL SYSTEM
ESP	EXTERNAL STATIC PRESSURE
FL	FLOW LINE
G	GAS
GC	GENERAL CONTRACTOR
HP	HORSEPOWER
HR	HOUR
HW	DOMESTIC HOT WATER
HWC	DOMESTIC HOT WATER CIRCULATING
LAT	LAY IN TILE
MC	MECHANICAL CONTRACTOR
MD	
NIC	
OBD	MANUAL OPPOSED BLADE BALANCING DAMPER
RA	
REL A	
SA	
SP	
	TEST, ADJUST AND BALANCE
<u>15P</u>	VENT
V \\\/	
VVD VN	
X (R)	EXISTING CONDITION TO BE REMOVED OR RELOCATED
	EXIGNING CONDITION TO BE REMOVED ON RELEGIATED
<u>XXX-1</u>	(E.G., AHU-1 - AIR HANDLING UNIT)
X (E)	EXISTING CONDITION, GENERAL

GENERAL MECHANICAL NOTES:

1. GENERAL

1.1 THESE NOTES SHALL APPLY TO ALL MECHANICAL/PLUMBING PLANS.

1.2 NOTE THAT THE MECHANICAL PLANS ARE TO A GREAT EXTENT SCHEMATIC IN NATURE AND THAT THE INFORMATION PRESENTED IS EXACT AS COULD BE SECURED. THE CONTRACTOR SHALL OBTAIN EXACT LOCATIONS, MEASUREMENTS, LEVELS, ETC., AT THE SITE AND SHALL SATISFACTORILY ADAPT HIS WORK TO THE ACTUAL CONDITIONS AT THE PROJECT SITE.

1.3 THE CONTRACTOR IS RESPONSIBLE FOR PROPER SUPPORT OF ALL EQUIPMENT, PIPING, DUCTWORK, ETC. COORDINATE INSTALLATION OF ALL EQUIPMENT, PIPING, DUCTWORK, ETC. WITH OTHER BUILDING TRADES.

1.4 SEE SPECIFICATION SECTIONS 22 05 00 AND 23 05 00 FOR OTHER GENERAL MECHANICAL REQUIREMENTS.

1.5 THE LOCATION AND SIZE OF ALL ITEMS SHOWN AS EXISTING WERE OBTAINED FROM PREVIOUS DRAWINGS AND SITE VISITS, AND ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. ACCURACY OF THE INFORMATION SHOWN IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING THE PROJECT BID. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CHANGES WHICH OCCUR AFTER BIDS ARE SUBMITTED WHICH ARE A RESULT OF EXISTING CONDITIONS. SITE VISITS PRIOR TO SUBMISSION OF BIDS MUST BE FULLY COORDINATED WITH THE OWNER.

1.6 ALL EXPOSED MECHANICAL ITEMS WILL BE FIELD-PAINTED. ALL ITEMS SHALL BE PROPERLY ORDERED AND PREPARED TO ACCEPT PAINT. COORDINATE EXACT REQUIREMENTS WITH PAINTING CONTRACTOR. SEE ARCHITECTURAL AND FINISH DRAWINGS AND SPECIFICATIONS FOR AREAS AND ITEMS THAT WILL BE PAINTED.

2. SITE UTILITIES

2.1 ALL CONNECTIONS TO UTILITY MAINS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE VIA WRITTEN NOTICE GIVEN A MINIMUM OF SEVEN DAYS PRIOR TO WORK.

BB	REVIATIONS									
LS	LEGEND									
	PIPING									
б	BALL VALVE									
	ELBOW DOWN									
¢	ELBOW UP									
	TEE DOWN									
	TEE UP									
	SHEET METAL									
12/6	RECTANGULAR DUCT - FIRST NUMBER INDICATES SIZE SHOWN									
120	ROUND DUCT									
12/60	OVAL DUCT - FIRST NUMBER INDICATES SIZE SHOWN									
	FLEX DUCT									
	TURNING VANES									
\bowtie	POSITIVE PRESSURE DUCT UP									
X	POSITIVE PRESSURE DUCT DOWN									
\ge	NEGATIVE PRESSURE DUCT UP									
	NEGATIVE PRESSURE DUCT DOWN									
$5 \frac{D-1}{80}$	CEILING DIFFUSER - EQUIPMENT MARK, SIZE, CFM									
R-1 12/8 300	SIDEWALL REGISTER - EQUIP. MARK, SIZE, CFM, HEIGHT AFF									
<u> </u>	CEILING RETURN GRILLE - EQUIP. MARK, SIZE, CFM									
	GENERAL									
•	CONNECTION - NEW TO EXISTING									
S 🖲	PIPE OR ROUND DUCT RISER									
\odot	PIPE OR ROUND DUCT DROP									
	DIRECTION OF FLOW									
<u> </u>	DOWNWARD PIPE OR DUCT PITCH									
	SECTION IDENTIFICATION SHEET NUMBER									
	DETAIL IDENTIFICATION: SHEET NUMBER SHEET NUMBER									
\bigcirc	ELECTRICAL MOTOR									
100'-0"	ARCHITECTURAL ELEVATION									
100.00'	ENGINEER ELEVATION									
T	ELECTRICAL PANEL									
] 	VARIABLE FREQUENCY DRIVE PANEL - EQUIP. MARK									
(E)	EXISTING PIPING, DUCTWORK, EQUIPMENT, ETC.									

3. PIPING

3.1 UNLESS NOTED OTHERWISE, WASTE PIPING HAS BEEN DESIGNED TO ACCOMMODATE A SLOPE OF 1/8" PER LINEAR FOOT FOR PIPING GREATER THAN 3" IN DIAMETER AND A SLOPE OF 1/4" PER LINEAR FOOT FOR 3" AND SMALLER DIAMETER PIPE.

3.2 INSTALL MANUAL AIR VENTS AT <u>ALL</u> HIGH POINTS IN PIPING SYSTEMS, INCLUDING ALL SUPPLY AND RETURN SYSTEMS. INSTALL AUTOMATIC AIR VENT AT THE HIGHEST POINT IN EACH SYSTEM WITH MANUAL SHUT-OFF BALL VALVE.

4. DUCTWORK

4.1 ALL DUCT DIMENSIONS CALLED OUT ARE INTERIOR AIR FLOW DIMENSIONS. UNLESS OTHERWISE NOTED, ALL SUPPLY, RETURN, EXHAUST, OUTSIDE AND RELIEF AIR DUCT IS GALVANIZED STEEL. UNLESS OTHERWISE NOTED, ALL SUPPLY DUCT MITERED ELBOWS SHALL BE INSTALLED WITH TURNING VANES. ALL ROUND ELBOWS SHALL BE FULL-RADIUS TYPE. ALL ROUND-TO-RECTANGULAR BRANCH CONNECTIONS SHALL BE 45-DEGREE ENTRY LOW-LOSS FITTINGS. ALL CANOPY HOOD EXHAUST DUCTWORK SHALL BE STAINLESS STEEL AND IS SHOWN ON THE DRAWINGS AS SHADED.

4.2 ALL SUPPLY AIR DUCT SHALL BE WRAPPED WITH INSULATION UNLESS OTHERWISE NOTED OR SPECIFIED. EXHAUST AIR DUCT SHALL BE LEFT UN-INSULATED UNLESS LINER IS EXPLICITLY CALLED OUT.

4.3 ALL EXPOSED DUCTWORK SHALL BE INSTALLED IN A NEAT AND WORKMAN-LIKE MANNER FREE FROM ALL VISIBLE DENTS AND KINKS. DUCT RUNS SHALL BE STRAIGHT AND LEVEL.

5. TEMPERATURE CONTROLS

5.1 ALL EXACT SENSOR, CONTROL PANEL AND THERMOSTAT LOCATIONS SHALL BE COORDINATED WITH THE ENGINEER.

5.2 UNLESS OTHERWISE NOTED, ALL AIR TERMINAL UNITS, CABINET UNIT HEATERS, UNIT HEATERS, ETC. SHALL BE PROVIDED WITH A THERMOSTAT OR CONTROL DEVICE REGARDLESS OF WHETHER ONE IS SHOWN ON THE PLANS.

5.3 UNLESS OTHERWISE NOTED, ALL THERMOSTATS SHALL BE WALL MOUNTED AT 48" A.F.F.



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Mechanical Abbreviations, Symbols & Notes



Plot File





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HVAC Floor Plans M1.01

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NO SCALE





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Details **M2.01**

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MARK:	FUNCTION:		MANUFACTURER AND MODEL:	WASTE:	VENT:	HW:	CW:
HL-1	SOLID SURFACE LAVATORY (HANDICAPPED ACCESSIBLE)	LAVATORY: FAUCET: MIXING VALVE: TRAP:	AMERICAN STANDARD COMRADE SERIES, 1 HOLE CONFIGURATION OR APPROVED EQUIVALENT. WHITE VITEROUS CHINA, WALL HUNG LAVATORY. DELTA COMMERCIAL SERIES MODEL 22C651 OR APPROVED EQUIVALENT, POLISHED CHROME PLATED DECK-MOUNT FAUCET 0.5 GPM FLOWRATE VANDAL RESISTANT AERATOR, WATER SENSE LABELED, ADA COMPLIANT MANUAL LEVER HANDLE. WATTS LFMMV OR EQUIVALENT THERMOSTATIC MIXING VALVE. INSTALLED BELOW SINK IN ACCESSIBLE LOCATION. SET MIXING VALVE TO 100 DEG. MINIMUM 17-GAUGE CHROME PLATED CAST BODY W/ ESCUTCHEON	1-1/2"	2" (COMBINED WITH S-1)	1/2" (SEE NOTE 2)	1/2" (SEE NOTE 2)
		DRAIN: SUPPLIES: REMARKS:	CHROME PLATED GRID DRAIN CHROME-PLATED LOOSE KEYSTOP VALVES WITH LOCK SHIELD CAP AND DEEP ESCUTCHEON PLATES PROVIDE P-TRAP INSULATION AND SUPPLY INSULATION				
EWH-1	ELECTRIC WATER HEATER	WATER HEATER: ELECTRICAL:	A.O.SMITH DSE-5A MODEL WATER HEATER OR APPROVED EQUIVALENT PROVIDE WALL MOUNTED WHERE SHOWN ON PLANS. 240V/1PH/60HZ AND DRAWS 12.5 AMPS.			3/4"	3/4"
HWC-1	WATER CLOSET (HANDICAPPED ACCESSIBLE)	FIXTURE: SEAT: CONFIGURATION:	KOHLER HIGHLINE SERIES MODEL K-3658-0 OR APPROVED EQUIVALENT TANK TYPE, FLOOR MOUNTED WATER CLOSET. WHITE VITREOUS CHINA, 1.28 GPF, ELONGATED BOWL, WATER SENSE LABELED. SIPHON JET WITH 1-1/2" TOP SPUD, INSTALLED AT ADA-COMPLIANT HEIGHT EXTRA HEAVY DUTY ELONGATED OPEN FRONT SEAT WITH CHECK HINGE, NO LID ON SEAT, WHITE COLOR FLOOR MOUNTED, BACK OUTLET, GRAVITY FED, MANUAL FLUSH TOILET	4"	2"		1/2"
FCO-1	FLOOR CLEANOUT	CLEANOUT:	JAY R. SMITH MODEL 4020 SERIES OR APPROVED EQUIBALENT. CAST IRON CLEANOUT, ROUND ADJUSTABLE SCORIATED SECURED NICKEL BRONZE TOP, FLASHING FLANGE WITH FLASHING CLAMP, VANDAL PROOF, BRONZE PLUG.	(SEE PLANS) (SEE NOTE 1)			
FD-1	FLOOR DRAIN	DRAIN:	WADE MODEL 1104STD6 OR APPROVED EQUIBALENT. CAST IRON BODY WITH FLANGE, INTEGRAL REVERSIBLE FLASHING COLLAR, SEEPAGE OPENINGS, 6" TOP SIZE, 2" CONNECTION, NICKEL BRONZE STRAINER. PROVIDE WITH TRAP SEAL	(SEE PLANS) (SEE NOTE 1)			
S-1	OFFICE SINK	SINK: MIXING FAUCET: BOTTLE FILLER: DISPOSAL: MIXING VALVE: TRAP: SUPPLIES:	 PROFLO BEALETON MODEL PFSR2521554C OR APPROVED EQUIVALENT STAINLESS STEEL SINGLE COMPARTMENT 4 HOLE ADA-COMPLIANT SINK BASIN. CHICAGO FAUCETS 2300 SERIES OR APPROVED EQUIVALENT, 3 HOLE MIXING FAUCET, DECK MOUNTED, CHROME FINISH INTEGRAL BALL VALVES, 1.5 GPM AERATOR. ADA COMPLIANT FIXTURE. ELKAY MODEL LK1110 OR APPROVED EQUIVALENT PUSH LEVEL BOTTLE FILLER. INSINKERATOR BADGER 5 OR APPROVED EQUIVALENT GARBAGE DISPOSAL WITH POWER CORD PROVIDED. CONTRACTOR TO ENSURE ADA COMPLIANCE IS MET - IF DISPOSAL INTERFERES WITH ADA CLEARANCE, PROVIDE OFFSET DRAIN TO DISPOSAL. WATTS LFMMV OR EQUIVALENT THERMOSTATIC MIXING VALVE. INSTALLED BELOW SINK IN ACCESSIBLE LOCATION. SET MIXING VALVE TO 100 DEG. MINIMUM 17 GAUGE CHROME PLATED CAST BODY WITH ESCUTCHEON. CHROME-PLATED LOOSE KEYSTOP VALVES WITH LOCK SHIELD CAP AND DEEP ESCUTCHEON PLATES FOR MIXING FAUCET 	1-1/2"	2" (COMBINED WITH HL-1)	1/2"	1/2"

PLUMBING SCHEDULE NOTES:

1) MINIMUM SIZE OF UNDER SLAB WASTE/VENT SHALL BE 2".

2) ALL HANDICAPPED LAVATORIES SHALL BE INSTALLED WITH P-TRAP AND SUPPLY INSULATION. PROVIDE TRUEBRO MODEL 102 OR EQUIVALENT P-TRAP INSULATION. HOT AND COLD WATER VALVES AND SUPPLY SHALL BE INSULATED WITH CLOSED CELL VINYL, 3/16" WALL THICKNESS, K-VALUE OF 1.17.

FAN SCHEDULE

			FAN	PERFORMA	NCE DATA		MOTOR DATA ELECTRICAL DATA					
		MAX. AIR	INLET				OPERATING					MANUFACTUE
		VOLUME	E.S.P.	FAN	FAN	IMPELLER	POWER					OR APPROVE
MARK	SERVES	(CFM)	(IN. W.G.)	RPM	DISHCARGE	DRIVE	W	VOLTS	PHASE	HZ	AMPS	EQUIVALEN
EF-1	RESTROOM	100	0.25	861	DUCT TO ROOF	DIRECT	11	120	1	60	0.09	GREENHECH

NOTES:

1. CEILING MOUNTED CABINET EXHAUST FAN WITH FACTORY INSTALLED BACKDRAFT DAMPER, WHITE ALUMINUM GRILLE

2. ROUND DUCT OUTLET

3. PROVIDE WITH FACTORY MOUNTED DISCONNECT SWITCH AND STARTER 4. INTERLOCK FAN OPERATION WITH LIGHTSWITCH SERVING RESTROOM

DIFFU	DIFFUSER, REGISTER AND GRILLE SCHEDULE										
		MAX. P.D.	MAX.	MAXIMUM	MANUFACTURER AND						
MARK:	TYPE:	(IN. WG.):	N.C.:	CFM:	MODEL NUMBER:	REMARKS:					
R-1	REGISTER	0.15	20	SEE PLANS	TITUS 300RL	3/4" BLADE SPACING, DOUBLE DEFLECTION, ADJUSTABLE BLADES, FRONT BLADES PARA					
				FOR CFM	OR EQUIVALENT	STEEL FRAME AND BLADES, CONCEALED SCREW MOUNTING, WHITE FINISH, COORDINAT					
				AND SIZE		PRIOR TO ORDERING CONFIRM MANUFACTURER RECOMMENDED INSTALLATION					



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Schedules **M3.01**



ALLEL TO LONG DIMENSION TE WITH CEILING / WALL TYPE

ELECTRICA

				~ -
	ABBREVIATIONS		LIGHTING	
AFF	ABOVE FINISHED FLOOR	•		╋
AFG	ABOVE FINISH GRADE			-
CATV	CABLE TELEVISION		PLASTER CEILING. LETTER/NUMBER DENOTES FIXTURE TYPE.	
CCTV	CLOSED CIRCUIT TELEVISION			1
E	SUBSCRIPT 'E' ADJACENT TO ANY DEVICE INDICATES EXISTING.		EMERGENCY BATTERY BACK-UP AND/OR ON EMERGENCY/NIGHT	
(ER)	SUBSCRIPT (ER) ADJACENT TO ANY DEVICE INDICATES EXISTING TO BE RELOCATED.	B1	LIGHTING CIRCUIT. LETTER/NUMBER DENOTES FIXTURE TYPE.	
EWC	ELECTRIC WATER COOLER		1' X 4' TROFFER RECESSED IN GRID, GWBD OR	
F	SUBSCRIPT 'F' ADJACENT TO ANY DEVICE INDICATES FLOOR.			-
GFI	GROUND FAULT INTERRUPTER SUBSCRIPT 'H' DENOTES HOSPITAL GRADE		EMERGENCY BATTERY BACK-UP AND/OR ON EMERGENCY/NIGHT	
НОА	HAND-OFF-AUTO	C1	LIGHTING CIRCUIT. LETTER/NUMBER DENOTES FIXTURE TYPE.	_
NF	NON-FUSED		2' X 2' TROFFER. LETTER/NUMBER DENOTES FIXTURE TYPE.	
NIC		D		_
OHE	OVERHEAD TELEPHONE		2' X 2' TROFFER WITH EMERGENCY BATTERY BACK-UP AND/OR ON	
PVC	POLYVINYL CHLORIDE	D1	FIXTURE TYPE.	
(R)	SUBSCRIPT (R) ADJACENT TO ANY DEVICE INDICATES THE		2' X 4' SURFACE OR PENDANT MOUNTED FIXTURE. LETTER/NUMBER	
RGS	RELOCATED POSITION OF AN EXISTING DEVICE.	- F	MOUNTING HEIGHT.	
TR	TAMPER RESISTANT	_	2' X 4' SURFACE OR PENDANT MOUNTED FIXTURE WITH EMERGENCY	
UGE	UNDERGROUND ELECTRICAL		CIRCUIT. LETTER/NUMBER DENOTES FIXTURE TYPE. REFER TO	
UGT	UNDERGROUND TELEPHONE	F1	DRAWINGS FOR FIXTURE MOUNTING HEIGHT.	
WG	WIRE GUARD WEATHERPROOF		DENOTES FIXTURE TYPE. REFER TO DRAWINGS FOR FIXTURE	
1///	CROSS-HATCHING INDICATES REMOVAL	G	MOUNTING HEIGHT.	_
		G1	BATTERY BACK-UP AND/OR ON EMERGENCY/NIGHT LIGHTING CIRCUIT. LETTER/NUMBER DENOTES FIXTURE TYPE. REFER TO DRAWINGS FOR FIXTURE MOUNTING HEIGHT.	
		H	2' X 2' SURFACE OR PENDANT MOUNTED FIXTURE. LETTER/NUMBER DENOTES FIXTURE TYPE. REFER TO DRAWINGS FOR FIXTURE MOUNTING HEIGHT.	−cΦ
			2' X 2' SURFACE OR PENDANT MOUNTED FIXTURE WITH EMERGENCY	
		H1	EATTERY BACK-UP AND/OR ON EMERGENCY/NIGHT LIGHTING CIRCUIT. LETTER/NUMBER DENOTES FIXTURE TYPE. REFER TO DRAWINGS FOR FIXTURE MOUNTING HEIGHT.	_Φ
		Г	WALL MOUNTED FIXTURE. LETTER/NUMBER DENOTES FIXTURE TYPE. REFER TO DRAWINGS FOR FIXTURE MOUNTING HEIGHT.	, P
			WALL MOUNTED FIXTURE WITH EMERGENCY BATTERY BACK-UP	S
			AND/OR ON EMERGENCY/NIGHT LIGHTING CIRCUIT. LETTER/NUMBER DENOTES FIXTURE TYPE. REFER TO DRAWINGS FOR FIXTURE MOUNTING HEIGHT.	J
		HOH	STRIP FIXTURE. LETTER DENOTES FIXTURE TYPE. REFER TO DRAWINGS FOR FIXTURE MOUNTING HEIGHT.	E
			STRIP FIXTURE WITH EMERGENCY BATTERY BATTERY BACK-UP. LETTER DENOTES FIXTURE TYPE. REFER TO DRAWINGS FOR FIXTURE MOUNTING HEIGHT.	
		$\bigcirc_{\sf N}$	RECESSED, SURFACE OR PENDANT MOUNTED FIXTURE. LETTER DENOTES FIXTURE TYPE. REFER TO DRAWINGS FOR MOUNTING DETAILS AND MOUNTING HEIGHT.	
			RECESSED, SURFACE OR PENDANT MOUNTED FIXTURE WITH	1
		(A) N1	LIGHTING CIRCUIT. LETTER DENOTES FIXTURE TYPE. REFER TO DRAWINGS FOR MOUNTING DETAILS AND HEIGHT.	
		\bigcirc_{P}	WALL MOUNTED FIXTURE. LETTER DENOTES FIXTURE TYPE. REFER TO DRAWINGS FOR MOUNTING HEIGHT.	JHHH
		P1	WALL MOUNTED FIXTURE WITH EMERGENCY BATTERY BACK-UP AND/OR ON EMERGENCY/NIGHT LIGHTING CIRCUIT. LETTER DENOTES FIXTURE TYPE. REFER TO DRAWINGS FOR MOUNTING HEIGHT.	/
		H	BATTERY POWERED EMERGENCY LIGHT FIXTURE. REFER TO FIXTURE SCHEDULE ON DRAWINGS FOR FIXTURE TYPE. REFER TO DRAWINGS FOR FIXTURE MOUNTING HEIGHT.	
		⊢⊗∱	WALL MOUNTED EXIT SIGN. PROVIDE DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS. REFER TO FIXTURE SCHEDULE FOR FIXTURE TYPE. REFER TO DRAWINGS FOR MOUNTING HEIGHT. (DARKENED PORTION OF FIXTURE INDICATES ILLUMINATED FACES.)	
		⊗∱	CEILING MOUNTED EXIT SIGN. PROVIDE DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS. REFER TO FIXTURE SCHEDULE FOR FIXTURE TYPE. (DARKENED PORTION OF FIXTURE INDICATES ILLUMINATED FACES	S.)

PROJECT GENERAL ELECTRICAL NOTES

GENERAL DEMOLITION NOTES:

1. ALL OF THE DEVICES SHOWN ON THE DEMOLITION PLANS ARE EXISTING. THE LOCATIONS OF EXISTING EQUIPMENT AND DEVICES WERE OBTAINED FROM PREVIOUS DRAWINGS AND SITE VISITS. THE LOCATIONS OF EXISTING EQUIPMENT AND DEVICES ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. ACCURACY OF THE INFORMATION SHOWN IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING THE PROJECT BID. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CHANGES WHICH OCCUR AFTER BIDS ARE SUBMITTED WHICH ARE A RESULT OF EXISTING CONDITIONS. SITE VISITS PRIOR TO SUBMISSION OF BIDS MUST BE FULLY COORDINATED WITH THE OWNER.

2. THE CONTRACTOR MUST FIELD VERIFY EXISTING CIRCUITING PRIOR TO COMMENCING ANY WORK. ALL BIDS MUST INCORPORATE THIS REQUIREMENT.

3. DEVICES SHOWN WITH CROSS HATCHING AND/OR SO NOTED SHALL BE REMOVED. ALL OTHER DEVICES SHALL BE RELOCATED, SHALL REMAIN, OR SHALL BE ABANDONED AS SHOWN, OR AS FOLLOWS:

DEVICES SHALL BE COMPLETELY REMOVED FROM WALLS THAT ARE ALSO SHOWN TO BE REMOVED. DEVICES SHOWN TO BE REMOVED ON DRYWALL OR PLASTER TYPE WALLS THAT ARE TO REMAIN SHALL HAVE THE WALL SURFACE PATCHED TO MATCH THE EXISTING FINISH. FLUSH TYPE DEVICES SHOWN TO BE REMOVED ON CONCRETE OR BRICK TYPE WALLS THAT ARE TO REMAIN SHALL HAVE THE DEVICES REMOVED AND BOXES PROVIDED WITH BLANK COVER PLATES.

4. CONDUITS SHALL BE COMPLETELY REMOVED FROM WALLS THAT ARE ALSO SHOWN TO BE REMOVED. CONCEALED CONDUITS MAY BE ABANDONED IN WALLS THAT ARE TO REMAIN. ALL CONDUITS AND BOXES THAT ARE SURFACE MOUNTED AND NO LONGER REQUIRE ACTIVE CIRCUITS SHALL BE REMOVED.

5. THE CONDUCTORS FOR DEVICES SHOWN TO BE REMOVED SHALL BE DISCONNECTED AND REMOVED BACK TO THE PANEL OR BACK TO THE NEXT DEVICE SHOWN TO REMAIN OR AS REQUIRED BY ACTUAL CIRCUITING. ACTUAL CIRCUITING MUST BE DETERMINED IN THE FIELD. ALL BIDS SHOULD INCORPORATE THIS REQUIREMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CHANGES WHICH OCCUR AS A RESULT OF EXISTING CIRCUITING. CONTINUITY OF CIRCUITING SHALL BE MAINTAINED FOR ALL EXISTING CIRCUITS AS REQUIRED. CONTRACTOR SHALL PROVIDE ALL NECESSARY WIRE, CONDUIT, DEVICES AND CONNECTIONS TO ENSURE CIRCUIT CONTINUITY TO ALL NEW AND EXISTING EQUIPMENT.

6. REFER TO ARCHITECTURAL DRAWINGS FOR WALL REMOVAL AND WALL TYPE.

7. THE OWNER HAS THE RIGHT TO RETAIN ALL SALVAGEABLE MATERIAL. ANY MATERIAL THE OWNER CHOOSES NOT TO ACCEPT SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR.

8. THE OWNER WILL OCCUPY PORTIONS OF THE FACILITY THROUGHOUT CONSTRUCTION. ELECTRICAL SYSTEMS TO OCCUPIED PORTIONS OF THE FACILITY MUST REMAIN IN OPERATION. THE ELECTRICAL CONTRACTOR MUST COORDINATE ALL PHASING REQUIREMENTS WITH THE GENERAL CONTRACTOR AND THE OWNER. AND MUST PROVIDE ALL NECESSARY DEVICES. EQUIPMENT, WIRE, CONDUIT, AND CONNECTIONS TO ENSURE PHASING AND OWNER OCCUPANCY REQUIREMENTS ARE SATISFIED. ALL BIDS SHOULD INCORPORATE THIS REQUIREMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ISSUES AND CHANGES WHICH OCCUR AS A RESULT OF PHASING AND OWNER OCCUPANCY REQUIREMENTS.

GENERAL LIGHTING NOTES:

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED DEVICES.

2. COORDINATE THE INSTALLATION OF LIGHTING FIXTURES WITH ALL OTHER TRADES.

3. COORDINATE THE INSTALLATION OF ALL RECESSED LIGHTING FIXTURES WITH ACTUAL CEILING TYPES. REFER TO ARCHITECTURAL FINISH SCHEDULES FOR ADDITIONAL DETAILS.

4. SUPPORT ALL RECESSED AND PENDANT MOUNTED FIXTURES FROM STRUCTURE IN ACCORDANCE WITH APPLICABLE BUILDING CODE REQUIREMENTS. SUSPENDED CEILING MOUNTING SYSTEMS SHALL NOT BE USED TO SUPPORT FIXTURES OR RACEWAYS.

5. ROUTE ALL WIRE AND CONDUIT CONCEALED UNLESS OTHERWISE NOTED. PATCH ALL EXISTING SURFACES AFTER WIRE AND CONDUIT INSTALLATION, AS REQUIRED. REFER TO THE SPECIFICATION FOR CUTTING AND PATCHING REQUIREMENTS. ALL COSTS ASSOCIATED WITH ABOVE REQUIREMENTS MUST BE INCLUDED IN THE PROJECT BID.

6. FLUSH MOUNT ALL NEW WIRING DEVICES IN NEW OR EXISTING SURFACES, THE OWNER HAS THE RIGHT TO RETAIN ALL SALVAGEABLE MATERIAL. ANY MATERIAL THE OWNER CHOOSES NOT TO ACCEPT SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR.

7. LOCATE PHOTOCELL DEVICES FOR CONTROL OF EXTERIOR LIGHTING FIXTURES, ON THE ROOF AT A LOCATION WHICH CANNOT BE SEEN FROM GRADE LEVEL. PROVIDE WP DEVICES AND BOXES.

8. A DEDICATED NEUTRAL CONDUCTOR IS REQUIRED FOR ALL DIMMABLE CIRCUITS.

9. BOX AROUND RECESSED LIGHTING FIXTURES AS REQUIRED SO THAT ALL CODE REQUIRED CLEARANCES BETWEEN COMBUSTIBLE MATERIALS, THERMAL INSULATION, ETC AND LIGHTING FIXTURES ARE MAINTAINED. FULLY COORDINATE ALL REQUIREMENTS WITH THE GENERAL CONTRACTOR.

10. PROVIDE ENCLOSURES OVER RECESSED LIGHTING FIXTURES INSTALLED IN RATED CEILINGS SO ALL CODE REQUIRED RATINGS ARE MAINTAINED. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES AND RATINGS. FULLY COORDINATE ALL REQUIREMENTS WITH THE GENERAL CONTRACTOR.

11. SEAL AROUND ALL CONDUIT AND CABLE PENETRATIONS THROUGH WALLS, CEILINGS, AND FLOORS TO MAINTAIN CODE REQUIRED RATINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

12. REFER TO THE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.

١L	ABBREVIATION	S A	AND SYMBOLS L	EG	END			
ELECTRICAL DISTRIBUTION		El	ECTRICAL DISTRIBUTION					
c				C				
So				S _N				
52 S2				SND				
S⊿ S⊿	FOUR WAY SWITCH		POWER PANEL (DISTRIBUTION)	SND0				
S _D		T	TRANSFORMER	SNO	Two channel on/off Fushbullon w/ Raise/Lower of Hon			
S _D	DIMMER SWITCH		CIRCUIT BREAKER	SNO	LOW VOLTAGE WALL MOUNT DUAL TECH. OCCUPANCY SENSOR.			
S _{MC}	MOMENTARY CONTACT SWITCH		FUSIBLE SWITCH					
STF	THERMAL ELEMENT SWITCH	٦	AUTOMATIC TRANSFER SWITCH					
SK	KEYED SWITCH	└╹┘ ╫─ा⊢२ ⊱	POTENTIAL TRANSFORMER					
s ₀	OCCUPANCY SENSING SWITCH (SEE SPECIFICATION)		CURRENT TRANSFORMER					
Sχ	SPST EXPLOSION PROOF SWITCH		GROUND					
S _{2X}	DPST EXPLOSION PROOF SWITCH	(G)	ENGINE GENERATOR					
	180° CEILING MOUNT OCCUPANCY SENSOR. THE UNSHADED AREA	RGA	REMOTE GENERATOR ANNUNCIATOR					
\mathbf{V}	INDICATES AIMING DIRECTION. SEE THE SPECIFICATION FOR TECHNOLOGY TYPE, MANUFACTURER AND CATALOG NUMBER.		METER					
\Diamond	360° CEILING MOUNT OCCUPANCY SENSOR. THE UNSHADED AREA INDICATES AIMING DIRECTION. SEE THE SPECIFICATION FOR TECHNOLOGY TYPE, MANUFACTURER AND CATALOG NUMBER.	(PNL#)	PANELBOARD TAG. SEE THE CORRESPONDING PANELBOARD SCHEDULE AND/OR ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.					
₽	20A, 125V DOUBLE DUPLEX CONVENIENCE OUTLET (NEMA 5 - 20R)							
φ	20A, 125V DUPLEX CONVENIENCE OUTLET (NEMA 5 - 20R)	M(DTOR CONTROL & MOTOR					
φ	20A, 125V SIMPLEX OUTLET (NEMA 5 - 20R)		CONTROL EQUIDMENT					
0	20A, 125V RED DUPLEX CONVENIENCE OUTLET ON EMERGENCY							
-D	20A, 125V DUPLEX CONVENIENCE OUTLET - CEILING AND	M	MOTOR - HORSEPOWER AS INDICATED ON DRAWINGS					
F M	FLOOR MOUNTED (NEMA 5 - 20R)		NON-FUSED DISCONNECT SWITCH, ASSUME 30A/3P UNLESS OTHERWISE NOTED.					
	200. 1251/ SAEETY DUDI EY CONVENIENCE OUTLET (NEMA 5, 200)		FUSED DISCONNECT SWITCH, FUSE SIZE AS NOTED ON DRAWINGS, ASSUME 30A/3P UNI ESS OTHERWISE NOTED					
φ Φ	PLUG-IN RECEPTACLE STRIP. TYPE AND NUMBER OF DEVICES AS INDICATED, REFER TO SPECIFICATION.	×	COMBINATION FVNR MAGNETIC MOTOR STARTER WITH HOA SELECTOR SWITCH AND NON-FUSED DISCONNECT SWITCH, ASSUME NEMA SIZE 1					
фф	PLUG-IN RECEPTACLE STRIP (RED OUTLETS ON EMERGENCY SYSTEM). TYPE AND NUMBER OF DEVICES AS INDICATED, REFER TO SPEC.		COMBINATION MOTOR STARTER/DISCONNECT PROVIDED BY OTHERS					
-	PIGTAIL DENOTES CONNECTION TO EQUIPMENT		COMBINATION FVNR MAGNETIC MOTOR STARTER WITH HOA SELECTOR					
JJH	JUNCTION BOX - CEILING, FLOOR, AND WALL MOUNTING		SWITCH AND FUSED DISCONNECT SWITCH, ASSUME NEMA SIZE 1 STARTER AND 30A/3P SWITCH UNLESS OTHERWISE NOTED.					
$ \mathbf{\bullet} $	FLOOR BOX	\square	FVNR MAGNETIC MOTOR STARTER WITH HOA SELECTOR SWITCH, ASSUME NEMA SIZE 1 STARTER UNLESS OTHERWISE NOTED.					
▼	2 GANG TELEPHONE OUTLET BOX WITH SINGLE GANG EXTENSION RING FLUSH MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED	•	START/STOP PUSH BUTTON					
	2 GANG DATA OUTLET BOX AND COVERPLATE WITH SINGLE GANG	•	3 POSITION PUSH BUTTON					
VD	EXTENSION RING FLUSH MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED	•	PUSH BUTTON					
\mathbf{V}	2 GANG TELEPHONE/DATA OUTLET BOX WITH SINGLE GANG EXTENSION RING FLUSH MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED							
	AS INDICATED (TTB OR TTC).		SPECIAL SYSTEMS					
~~~	NUMBER OF CIRCUITS. NUMBER OF TICK MARKS INDICATES NUMBER OF WIRES) (NUMBER 12AWG, MINIMUM, UNLESS OTHERWISE NOTED). IF NO TICK MARKS ARE SHOWN, ASSUME 3- NUMBER 12 AWG IN 1/2" CONDUIT.	CR	SECURITY SYSTEM CARD READER AND OUTLET BOX					
HH	CONDUIT AND WIRE CONCEALED. NUMBER OF TICK MARKS INDICATES		ELECTRIC DOOR LOCK					
•	IF NO TICK MARKS ARE SHOWN, ASSUME 3-NUMBER 12 IN 1/2" CONDUIT.	DM	DOOR MONITOR SWITCH					
•								
<b>×</b>								
	CONDUIT SEAL FITTING FOR HAZARDOUS AREAS							
*	CONDUIT STUBBED UP 6" AFF AND CAPPED							

GENERAL POWER & AUXILIARY SYSTEMS NOTES:

13. ALL LIGHT FIXTURES SHALL BE INSTALLED AS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

1. FULLY COORDINATE THE INSTALLATION OF ALL ELECTRICAL DEVICES WITH THE WORK OF OTHER TRADES.

2. UNLESS OTHERWISE NOTED, ELECTRICAL DEVICES ARE TO BE FLUSH MOUNTED AND ALL WIRE AND CONDUIT IS TO BE ROUTED CONCEALED. FULLY COORDINATE INSTALLATION WITH EXISTING CONDITIONS, AND INCLUDE PATCHING AND REFINISHING OF EXISTING SURFACES TO ACCOMMODATE THIS REQUIREMENT.

3. FULLY COORDINATE THE LOCATION OF ALL HVAC EQUIPMENT WITH THE MECHANICAL AND CONTROLS CONTRACTORS. PROVIDE ALL DEVICES (I.E. STARTERS, SWITCHES, CONTACTS, ETC.) REQUIRED TO ENSURE SATISFACTORY OPERATION OF ALL SYSTEMS AND EQUIPMENT. (CONTROL WIRING TO BE PROVIDED BY MECHANICAL CONTRACTOR.) COORDINATE DEVICE REQUIREMENTS WITH ACTUAL EQUIPMENT.

4. FOR ALL HVAC CONTROL DEVICES PROVIDED BY THE ELECTRICAL CONTRACTOR, PROVIDE ALL NECESSARY AUXILIARY COMPONENTS AND CONTACTS TO ENSURE PROPER SYSTEM CONTROL FUNCTIONS. FULLY COORDINATE ALL REQUIREMENTS WITH THE MECHANICAL AND CONTROLS CONTRACTORS.

5. MANY OF THE CIRCUITS SHOWN ARE PROVIDED WITH DEDICATED NEUTRAL AND GROUND CONDUCTORS, TO SERVE COMPUTER EQUIPMENT LOADS. CAREFULLY REVIEW CIRCUITING TICK MARKS, AND PROVIDE ALL NECESSARY CONDUCTORS.

6. SEAL AROUND ALL CONDUIT AND CABLE PENETRATIONS THROUGH WALLS, CEILINGS AND FLOORS TO MAINTAIN CODE REQUIRED RATINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

LIGHTING CONTROL DEVICE GENERAL NOTES:

1. WHERE POWER PACKS/RELAYS ARE INDICATED IN AREAS WITH HARD CEILINGS, POWER PACKS/RELAYS SHALL BE LOCATED IN THE NEAREST ACCESSIBLE AND CONCEALED CEILING SPACE.

2. IN CORRIDORS AND RESTROOMS, SENSORS SHALL BE OCCUPANCY SENSORS. LIGHTS SHALL TIME OFF AUTOMATICALLY UPON OCCUPANT EXIT. IN OTHER ROOMS WITH LOCAL WALL CONTROLS, SENSORS SHALL BE VACANCY SENSORS SO THAT UPON ENTERING THE ROOM, THE WALL CONTROLS MUST BE ACTIVATED BEFORE THE LIGHTS WITH TURN ON, AND UPON EXITING THE LIGHTS WILL TIME OFF.

3. ANY OCCUPANCY/VACANCY SENSOR IN A ZONE SHALL CONTROL THE FIXTURES IN THAT ZONE.

4. SUBSCRIPT LOWERCASE LETTER (_) AT LIGHTING FIXTURE /DEVICE INDICATES SWITCH GROUP.

5. WALL SWITCHES SHALL BE WHITE IN COLOR.

6. IN SPACES WITHOUT CEILINGS, CONTRACTOR SHALL COORDINATE MOUNTING HEIGHT OF OCCUPANCY SENSORS WITH ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.

7. ALL CABLING AS PART OF THE LIGHTING CONTROL SYSTEM SHALL BE ROUTED IN 3/4" CONDUIT.

8. ALL CABLING AS PART OF THE LIGHTING CONTROL SYSTEM SHALL BE VIOLET IN COLOR.



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Lincoln, Nebraska Kansas City, Missouri Fairway, Kansas Portland, Oregon Omaha, Nebraska

# Design Development

FoCo Overland Trail Substation Renovation

401 S Overland Trail Fort Collins, CO

CE No.: 326-011-22

July 28, 2022

DRAFT PREPARED FOR PRELIMINARY SUBMISSION AND REVIEW ONLY --NOT FOR CONSTRUCTION.

Electrical Abbreviations, Symbols Legend & General Notes





 ELECTRICAL SITE PLAN NOTES

 KEY NOTE

 DESCRIPTION



ELECTRICAL DEMOLTION PLAN NOTES									
KEY NOTE	DESCRIPTION								
1	EXISTING CABLE TRAY TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.								
2	EXISTING SWITCH AND CONDUCTORS TO BE REMOVED. BACKBOX AND CONDUIT TO BE REUTILIZED.								
3	EXISTING SERVER EQUIPMENT TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.								



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Electrical Site Utilities & Electrical Demolition Plan

E0.01





0 2' 4'

FIRST FLOOR POWER & AUXILIARY SYSTEMS PLAN NOTES KEY NOTE DESCRIPTION



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**Electrical Plans E1.10** 

	LIGHTING FIXTURE SCHEDULE												
Fixture Type	Manufacturers	Catalog Numbers	Description	No. of Lamps	Lamp Type	Volt	VA	Mounting	Remarks				
A	GE	ALV2-0-8T-06-T-C8-1D-S-B-Q-Q-ST-A-Q-W (OR APPROVED EQUAL)	3"x8' INDUSTRIAL STRIP	NA	6000 LUMEN, 3500K LED	UNV	38	SURFACE	SURFACE MOUNT FIXTURE TO THE BOTTOM OF STRUCTURE. COORDINATE EXACT LOCATION WITH ALL OTHER TRADES AND EXISTING CONDITIONS. LIGHT FIXTURE TO BE PROVIDED WITH INTERGRAL CONTROLS. PROVIDE ALL FIXTURES DENOTED AS 'A1' WITH BATTERY BACKUP.				
В	GE	ALV2-0-4T-04-T-C8-1D-S-B-Q-Q-ST-A-Q-W (OR APPROVED EQUAL)	3"x4' INDUSTRIAL STRIP	NA	4000 LUMEN, 3500K LED	UNV	26	SURFACE	SURFACE MOUNT FIXTURE TO THE BOTTOM OF STRUCTURE. COORDINATE EXACT LOCATION WITH ALL OTHER TRADES AND EXISTING CONDITIONS. LIGHT FIXTURE TO BE PROVIDED WITH INTERGRAL CONTROLS. PROVIDE ALL FIXTURES DENOTED AS 'B1' WITH BATTERY BACKUP.				

# LIGHTING FIXTURE SCHEDULE GENERAL NOTES:

- 1. FIXTURES WITH EMERGENCY BATTERY BACKUP OR INVERTER BACKUP SHALL BE PROVIDED WITH TEST SWITCH AS REQUIRED BY CODE. TEST SWITCH SHALL EITHER BE FIXTURE MOUNTED OR LOCATED IN NEARBY ACCESSIBLE LOCATION. FINAL LOCATION SHALL BE COORDINATED WITH OWNER, ARCHITECT AND ENGINEER.
- 2. EMERGENCY BATTERY BACKUP SHALL BE PROVIDED FOR ENTIRE FIXTURE SHOWN AS EMERGENCY UNLESS OTHERWISE NOTED. MULTIPLE BATTERY PACKS SHALL BE PROVIDED AS NECESSARY TO POWER THE ENTIRE FIXTURE. PROVIDE ALL PARTS NECESSARY FOR A COMPLETE AND CODE COMPLIANT INSTALLATION.
- 3. FIXTURES WITH EMERGENCY BATTERY BACKUP SHALL BE CAPABLE OF BEING LOCALLY SWITCHED OFF. BATTERY SHALL ENERGIZE FIXTURE ONLY IN A POWER LOSS SITUATION, NOT A SWITCHING EVENT.
- 4. CONTRACTOR SHALL VERIFY MOUNTING HEIGHTS OF ALL FIXTURES PRIOR TO INSTALLATION.

					EXI	STING	PANE	LBOAF	RD 'A' 8	SCHEE	DULE					
MAIN BUS: 225A												LOCATION: SERVER AREA				
VOLTAGE: 240/120 VOL			240/120 VOLT, 1 PHASE, 3 WIRE		) (VA)		LOAD (VA)				MOUNTING: SURFACE					
CKT. NO.	AMPS	- I SJOA	LOAD SERVED	LTG.	RECP.	MECH.	SPARE	PHASE	LTG.	RECP.	MECH.	SPARE	LOAD SERVED	POLES	AMPS	CKT. NO.
1	20	1	LTG: GENERAL	1000				A		500			RCPT: PRPA OUTLETS	1_	20	2
3	20	1	RCPT: NORTH WALL					В		500			RCPT: PRPA OUTLETS	1_	20	4
5	20	1	RCPT: WEST WALL					A		1200			RCPT: SPRINKLER CLOCK	1	20	6
7	20	1	RCPT: EAST WALL					В		1200			RCPT: EAST WALL	1	20	8
9	20	1	RCPT: EAST WALL					A		1200			RCPT: EAST WALL	1	20	10
11	20	1	RCPT: LAB					В					RCPT: THRU WALL FANS	1_	20	12
13	20	1	RCPT: COUNTER TOP LAB					A					RCPT: LAB EAST WALL	1	20	14
15	20	1	RCPT: COUNTER TOP LAB					В					RCPT: LAB EAST WALL	1_	20	16
17	20	1	RCPT: COUNTER TOP LAB					A					RCPT: LAB COUNTER TOP 240V	2	40	18
19	20	1	RCPT: NORTHEAST CORNER					В					-		-	20
21	50	2	MECH: IRRIGATION PUMP			3220		A		500			RCPT: PRPA HOT SHOT RELAYS	2	20	22
23	-	-	-			3220		В		500			-			24
25	90	2	MECH: SOUTH HVAC UNIT					A					RCPT: SECURITY	1_	30	26
27	-	_	-					В					RCPT: 50A 240V OUTLET	2	50	28
29	90	2	MECH: NORTH HVAC UNIT					A					-		-	30
31	-	-	-					В					MECH: FILTER	1	30	32
33	20	1	RCPT: AMI					A					RCPT: EAST WALL	1	20	34
35			SPACE					В					RCPT: EAST WALL	1_	20	36
37			SPACE					A					RCPT: EAST WALL	1	20	38
39			SPACE					В					RCPT: EAST WALL	1	20	40
41			SPACE					A					RCPT;: NETWORK CABINET	1_	30	42
			CONNECTED LOAD	1000	-	6440	-	-	-	5600	-	-	CONNECTED LOAD	_		
			% DF	100	100	80	50		100	100	80	50	%DF	_		
			EMD	1000	-	5152	-	-	-	5600	-	-	EMD	_		
			EMD X 1.25 =	<u>11752</u> X 1.25 €1.20833 Amps					MAIN LUG ONLY (MLO): 200A							
			SYS. VOLT.	240	240											



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Electrical Schedules **E4.01**