

## **MEETING MINUTES**

ISSUE DATE		6-29-23		
MEE	TING INFORMATION			
MEE	TING DATE	June 2, 2023	MEETING TIME	Noon
MEE	TING NAME	Design Meeting #10	MEETING LOCATION	Cascade City Hall
PRO	JECT NAME	Cascade Public Library		
FEH	PROJECT NUMBER	2021310		
MIN	UTES PREPARED BY	Michael Gehl	$\geq$	
ATT	ENDEE NAME	ORGANIZATION	PHONE	EMAIL
	Kevin Eipperle	FEH Design	563-583-4900	kevine@fehdesign.com
	Christy Monk	FEH Design	563-583-4900	christym@fehdesign.com
$\boxtimes$	Michael Gehl	FEH Design	563-583-4900	michaelg@fehdesign.com
	Amy Ludwig	Library Board		baludwig@netins.net
$\boxtimes$	Melissa Kane	Library Director		cpl@netins.net
⊠	Mike Beck	Community Member		Beckcon@netins.net
	Monica Recker	Friend of Library		mnrecker@gmail.com
$\boxtimes$	Marie Thomas	Community Member		newhome813@gmail.com
	Megan Olophant	City Council		Oliphant.megan@gmail.com
	Lisa Kotter	City Administrator		admin@citycascade.com
	Riley Rausch	City Council		Cascadeseat4@gmail.com
$\boxtimes$	Steve Knepper	Mayor		
	John Noonan	Community Member		jenoonan@cascade-mfg-co.com
	Maureen McDermott	Donor		
$\boxtimes$	Ellie Wigginton	FEH Design	563-583-4900	elliew@fehdesign.com
	Dieter Muhlack	DELTA 3	563-542-9005	muhlackd@delta3eng.biz
	Brian Fuller	JDR Engineering	608-819-0206	fuller@jdreng.com
$\boxtimes$	Mike Delaney	City Council		Cascadeseat3@gmail.com

DISTRIBUTION	Library Board
PURPOSE	FEH Design Process
DISCUSSION	

### 1. Data and Power Meeting

- a. It was a request to have the ethernet ports and solid access point in the large meeting room.
- b. The library equipment would be wired into the internet and the guests could use Wi-Fi.



c. Mike Delaney stated he prefers to use NETGEAR products.

FEH DESIGN

- d. A firewall is preferred rather than a general router with some access points.
- e. To project to a monitor, they will use Chromecast because that is what they use at the City Hall, and it seems to be easy.
  - i. There was a request for an HDMI port by the large meeting room monitor to directbroadcast in case there are technical difficulties with Chromecast.
  - ii. Also provide a network cable at this location.
- f. There is a need for two data ports for the computers.
- g. There are currently floor boxes shown under the tables and there will be power and data in the large meeting room.
  - i. In the meeting room there will be one ethernet connection under each group of tables.
  - ii. All floor boxes will have dual power and data for ease of future expansion.
- h. There will be no USB charging ports integrated into the outlets due to the worry of them becoming outdated.
- i. There was a worry about the outlets in the silo and whether it was safe for children. These outlets will be tamper resistant.
- j. The outlets that are going to be added near the soffit for Christmas lights will be on a separate switch.
- k. There was a request for exterior receptacles along the building and near the electronic sign that would be large enough for events.
  - i. Would be able to support bouncy houses, food trucks, etc.
  - ii. Add a couple outlets on the west side of the building by the parking lot.
- I. Cameras
  - i. The entire exterior, corridors, meeting rooms and entire library will be under surveillance.
  - ii. There will be a separate monitor provided at the circulation desk for viewing the cameras.
  - iii. A recording device will be on the IT rack.
- m. Motion sensor lights.
  - i. All of the restrooms will have motion sensor lights and the lights will not turn off on a person since there are no toilet partitions blocking motion.
  - ii. The community room will also have motion sensor lights.
  - iii. The entire building will have occupancy sensors throughout the entire building.
- n. The display case will have lights hardwired and will have one outlet.
- o. Exterior Lighting
  - *i.* It was questioned whether the flagpole will have lights on the pole, or the light will be mounted on the building pointing towards the flag. *The design intent is to have a pole-mounted light.*
  - ii. Both locations of exterior lettering will be illuminated.
  - iii. More lights will be added to the library parking lot.
    - 1. The city will provide poles to match the existing.
    - 2. The city will add additional streetlights on Second Ave.
    - 3. The light poles will be owner furnished and contractor installed.
- p. The typical light temperature in the building will be a soft light at 3,000Kelvin.
- q. All Light fixtures will have the ability to dim except in the restrooms.



- r. Box Cast Camera
  - i. If it can be located in the center of the room and be manually rotated this would work unless Box Cast says the camera needs to be in a corner.
    - 1. If it has to be located in the corner Mike would prefer multiple mounting locations around the room so the camera can be manually moved to different locations.
    - 2. At each location for the Box Cast Camera there needs to be a network and electrical receptacle. Cat 6 will work but Cat 7 is preferred by Mike.
- s. Data and power will be provided at the electronic sign, it was questioned whether the sign will be on a timer.
- t. The large meeting room will have outlets on the east wall that will support roasters and crockpots.
- u. There will be no power grommets in the furniture.
- 2. Goals for Success
- 3. Timeline
- 4. Budget
- 5. Design Review
  - a. Electrical
    - i. Data and Power Locations
      - 1. A brief recap was provided of the earlier meeting, see meeting minutes above.
    - ii. The committee thought it would be a good idea to illuminate the exterior book drop so this will be added to the scope.
    - iii. Brian Fuller was visiting the site after the meeting to look at existing parking lot lights.
    - iv. Will there be Wi-Fi provided in the outdoor greenspace. It is possible that the interior Wi-Fi will be sufficient to provide access outside.

### b. Mechanical

- i. Water Softener
  - 1. The purpose is to increase the life of the water heater.
  - 2. It was decided that the city will rent the softener so that the company takes care of it and keeps it full of salt.
  - 3. Water Softener will be owner furnished and owner installed.
- ii. The water heater will be an electric small storage water heater.
- iii. Geothermal
  - 1. The bore field may be a horizontal field instead of vertical.
    - a. This would require more space so it would be under the new and existing parking lot.
    - b. This could cost less since there would be no need for a DNR permit.

### c. Site

- i. The committee decided that there should be enough bike racks for 5-7 bikes.
- ii. The city will provide the site furniture including the benches, trash cans and other exterior seating that will be on the patios so it will match the existing park furniture.
- iii. All site furniture provided by owner except bike racks and flagpole.
- iv. Site Furniture will be owner furnished and owner installed.
- d. Plan



### i. Casework

- 1. The lower casework should have roll out shelves in the staff work area.
- 2. The committee stated they only want the single row of upper casework with no soffit above, in all locations.
- 3. There will be no lockable cabinets in the staff work area.
- 4. One set of double door base cabinets should have a lock in the meeting room.
- 5. They decided they want one tall cabinet in the work area with a hanging rod.
- ii. There will be one full-sized refrigerator and one microwave in both kitchenette areas.
- iii. Restroom paper towel dispenser.
  - 1. The towel dispenser and trash receptacle will be one unit recessed into the wall.
- iv. The committee decided to eliminate the ½ wall at the coffee bar.

### e. Exterior Design

- f. Finishes
  - i. Base Trim
    - 1. The committee determined that they do not want any wood base board, they want resilient base around the entire space.
      - a. The Resilient base color will coordinate with each flooring type.
  - ii. Stain Color
    - 1. The committee stated they would like to see a darker brown option, similar to the brown on the name tags at the City Hall, for the trim and circulation desk.
    - 2. The species of wood that will be used on the ceiling and in the clerestory was questioned. It was questioned whether this wood would be able to be stained similarly to the trim?
    - 3. The ceiling will be pre-stained or stained on site to be determined later.
  - iii. Material Board
    - 1. The committee asked for material boards for both the interior finishes and the exterior finishes, so they can see everything together.
    - 2. This material board was selected instead of realistic renderings due to a lesser cost.
  - iv. Circulation Desk
    - 1. There will be three monitors, one for the security camera display and the other two for staff.
    - 2. One locking drawer is needed.
    - 3. There is no need for file drawers.
      - a. Mobile furniture can be added for additional storage in the future.
  - v. The tile chosen for the fireplace hearth was Crossville, Gotham Penthouse
  - vi. It was decided that the general paint throughout will be a lighter gray than what we showed, Colonnade Gray SW 7641.
  - vii. Accent Paints



- 1. FEH Design recommended the following walls have an accent paint color: west wall of Study 1 (Room 115), east wall of Study 2 (Room 116), and south wall of Conference (Room 117).
- The final accent colors were not decided, but the committee's favorite is the dark blue (SW 99059). They also liked the red (SW 6313) and purple (SW 9072).

### 6. Other Items

- a. The letter for site preparation will clearly explain how to fill in the existing foundations once the houses are demolished.
- b. When the project goes out to bid there will be a list of local contractors that want to provide an in-kind donation and we will make a note explaining that the bid should reflect the donations in the bid.
- 7. Next Steps and assignments
  - a. FEH Design
    - i. Continue Construction Documents
    - ii. Send Lisa the Geothermal Rebate Information
    - iii. Create a Material Boards
    - iv. Send Brian Fuller Electronic Sign Specifications.
    - v. Provide neutral colored resilient base (RB) samples for LVT areas to match wood.

### b. City of Cascade/ Committee

- i. Committee to inform FEH Design about equipment to be purchased by owner.
- ii. Lisa to send FEH Design the specs for the Electric Car Charging Station.
- iii. Send Brian Fuller the Specifications for the City Street Lights
- iv. Melissa is to send FEH Design updated book inventory and yearly percentage of growth.
- 8. Next Meeting: June 23, 2023

This is the author's understanding of the items discussed. Please notify us of any discrepancies within 7 days so revised minutes can be issued.

Attachments: Plan/ Drawings



## Cascade Public Library Goals for Succes

1 July 2021

Create a new Cascade Library that:

- provides adequate space for a robust collection.
- offers adequate space for delivering services and programming.
- provides access to current, 21<sup>st</sup> Century technologies and tools (i.e. internet, computers, digital media, 3D printer, laser cutter).
- is expandable and flexible to accommodate change in the future to best insure its longevity.
- is built with materials to withstand the test of time.
- is developed after a thorough evaluation of the possible options to best insure is suitability for the community.
- becomes a space for the community to gather.
- is inviting and welcoming to people of all ages, especially preteens/teens that are overlooked by current library spaces.
- is family friendly and an exciting and fun place to visit.
- provides barrier free access for everyone.
- is a safe and secure place for all users.
- is centrally located and has walking access.
- reflects the Heart and Soul values of Cascade:
  - C Community: We cherish our history, but look towards the future to bring together long-time residents and newcomers alike.
  - A- Atmosphere: We pride ourselves on the generous, kind people who support one another, creating a family atmosphere.
  - S Safety: We are dedicated to sustaining a well-kept, safe community that everyone can call home.
  - C Convenience: We value our centrally-located community with amenities for all.
  - A Activities: We treasure the activities that bring our community together through music, sports, faith & other events.
  - D Development: We value our local businesses and industries that create jobs and encourage growth & revitalization.
  - E Educatión: We invest in future generations by offering excellent choices in childcare, schools & extracurricular activities.



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![](_page_6_Picture_5.jpeg)

![](_page_7_Figure_0.jpeg)

![](_page_7_Figure_1.jpeg)

![](_page_7_Figure_2.jpeg)

![](_page_7_Figure_5.jpeg)

![](_page_7_Figure_6.jpeg)

![](_page_8_Figure_3.jpeg)

![](_page_8_Picture_4.jpeg)

## WATER SOURCE HEAT PUMPS

BASIS OF D	BASIS OF DESIGN: CLIMIT MASTER														
TAG NUMBER	UNIT LOCATION ROOM NO	AREA SERVED	HEAT PUMP MODEL NUMBER	COOLING CAPACITY TOTAL MBH	HEATING CAPACITY MBH	AHRI ISO13256-1 EER PART/FULL LOAD	AHRI ISO13526-1 COP	FAN SUPPLY CFM	ESP	OA CFM	LOOP WATER GPM	FT HEAD AT 32 DEG EWT	VOLTS/PHASE/HERTZ	МСА	МОСР
HP-1	108	111 WORK, OFFICE & TEEN AREAS	TE-072	70.3	51.8	26.7/18.8	3.5	1900	0.5	450	15.0	12.2	208-230/1/60	45.1	70
HP-2	108	120 ADULT & 123 CHILDREN	TE-072	70.3	51.8	26.7/18.8	3.5	1950	0.5	450	15.0	12.2	208-230/1/60	45.1	70
HP-3	ATTIC	102 MEETING ROOM	TE-064	63.8	48.7	23.2/16.9	3.8	1850	0.4	300	13.0	7.4	208-230/1/60	41.8	60
TOTALS				204.4	152.3						43.00				

NOTES: SELECTIONS BASED ON 410a REFRIGERANT, COOLING EAT 80/67, HEATING EAT 80, 30% GLYCOL, COOLING EWT 85, HEATING EWT 32

ALL UNITS PROVIDED WITH FACTORY INSTALLED ACCESSORIES: COMPRESSOR SOUND BLANKET, ECM FAN MOTORS.

PROVED UNITS WITH RIGHT OR LEFT HAND RETURN CONFIGURATION AS SHOWN ON PLANS AND INDICATE ON SUBMITTALS FOR REVIEW. PROVIDE PUMP ON EACH HEAT PUMP TO CYCLE ON WHEN A THERMOSTAT CALLS FOR HEATING OR COOLING.

ALL VERTICAL UNITS REQUIRE 2" MERV 8 FILTERS, AND PROVIDE 1 LOOSE SETS OF FILTERS FOR EACH UNIT.

PROVIDE ALL UNITS WITH 2 STAGE WALL THERMOSTATES THAT HAVE 7 DAY PROGRAMING AND AN OCCUPIED OVERRIDE BUTTON. OVERRIDE SHALL BE ADJUSTABLE SET FOR 2 HRS

### AIR TERMINALS BASIS OF DESIGN: KRUEGER

TAG	MODEL	DISCRIPTION	MOUNT TYPE	FINISH
S-1	880	STEEL DOUBLE DEFLECTION SIDEWALL GRILLE	SURFACE	PRIME
S-2	R5880RD	ROUND ALUMNIM DOUBLE DEFLECTION GRILLE	END OF DUCT	PRIME
S-3	PLQ	4 WAY 24X24 PLAQUE DIFFUSER	LAY-1N	WHITE
R-1	EGC5	EGG GRATE ALUMINUM RETURN GRILLE	LAY-IN	WHITE
R-2	S80	STEEL RETURN GRILLE W/ 35° DEFLECTION	SURFACE	PRIME
E-1	EGC5	EGG GRATE ALUMINUM EXHAUST GRILLE	LAY-IN	WHITE
E-2	S80	STEEL EXHAUST GRILLE W/ 35° DEFLECTION	SURFACE	PRIME
T-1	EGC5	EGG GRATE ALUMINUM TRANSFER GRILLE	LAY-IN	WHITE
T-2	S80	STEEL TRANSFER GRILLE W/ 35° DEFLECTION	SURFACE	PRIME
NOTES: 1	REFER TO PLANS FOR S	SIZES.		

2 R-1, E-1, AND T-1 GRILLES SHALL BE PROVIDED WITH SRAC325 SQUARE TO ROUND ADAPTOR. MIN 3.25" SIDE HEIGHT. 3 PRIME AIR TERMINALS WILL BE FIELD PAINTED BY GC

4 PAINT INSIDE OF VISIABLE DUCTWORK FLAT BLACK BEHIND AIR TERMINALS

5 ADJUST S-1 AND S-2 DIFLECTION TO PROVIDE SPREAD LISTED AT UNIT

### HYDRONIC PUMPS BASIS OF DESIGN: WILO

TAG	SERVICE	MODEL	FLOW GPM	HEAD FT	V/PH/Hz	RATED POWER	OPERATING RPM	EFFICIENCY	
P-1	HEAT PUMP 1	TOP S 1.5X50	15	48	230/1/60	0.94	3380	21.1%	
P-2	HEAT PUMP 1	TOP S 1.5X50	15	48	230/1/60	0.94	3380	21.1%	
P-3	HEAT PUMP 3	TOP S 1.5X50	13	45	230/1/60	0.92	3380	18.7%	

NOTES: SELECTION BASED ON 30% PROPYLENE GLYCOL AT 32 DEG F. PUMP SHALL CYCLE ON WHEN ANY HEAT PUMP CALLS FOR HEATING OR COOLING.

## <u>LOUVERS</u>

BASIS OF DESIGN: RUSKIN										
TAG	MODEL	SERVICE	CFM	SIZE	FREE SF	VELOCITY	IN WG	MATERIAL		
L-1	L-1 ELF6375DX INTAKE 1200 24X84 8.03 150 FPM 0.01 ALUN									
L-2	ELF6375DX EXHAUST 1100 14X84 4.38 251 FPM 0.01 ALUMINU									
NOTES:	PROVIDE LOUVERS WITH BIRD SCREEN.									
	PROVIDE PLENUMS WITH INSULATED ACCESS DOORS FOR CLEANING.									

PITCH BOTTOM OF PLENUM TO DRAIN OUTSIDE, OR PROVIDE DRAIN AND PIPING TO FD. COLOR SELECTED BY ARCHITECT FROM STANDARD COLORS.

## ZONE DAMPERS

BASIS OF DESIGN: CARRIER VVT OR EQUAL									
TAG	MODEL CFI		1 DUCT SIZE STAT LOCATION		POWER				
Z1-1	33CD06ZC-01	1070	20x12	CONFERENCE 117	120 V, 40 VA				
Z1-2	33CD06ZC-01	320	10x10	OFFICE 113	120 V, 40 VA				
Z1-3	33CD06ZC-01	310	10x10	103OFFICE	120 V, 40 VA				
Z1-4	33CD06ZC-01	1000	12x10	BYPASS	120 V, 40 VA				

Z2-1	33CD08ZC-01	995	18x12	ADULT 120	120 V, 40 VA		
Z2-2	33CD06ZC-01	945	18x12	CHILDRENS 123	120 V, 40 VA		
Z2-3	33CD06ZC-01	900	12x10	BYPASS	120 V, 40 VA		
NOTES: 1	PROVIDE TRANSFORMERS, WIRING, ETC, FOR A COMPLETE SYSTEM						

2 LOCATE CONTROL PANEL IN MECH ROOM

3 SET ZONE DAMPERS FOR MINIMUM 30% AIR FLOW

4 SET BYPASS PRESSURE TO INCREASE OPEN ZONE AIR FLOW BY APPROX 20%

## EXHAUST FANS

BASIS OF DESIGN: LOREN COOK OR EQUAL									
TAG	MODEL	SONES	CFM	ESP	MOTOR	V/PH/Hz			
FF-1	GC-322	03	100	0.1	28.6 WATTS	115/1/60			

EF-1 GC-322 U.3 100 U.1 28.6 WATTS 115/1/60 NOTES: 1 PROVIDE FAN WITH TIME CLOCKS TO OPERATE IN OCCUPIED HOURS. 2 PROVIDE FAN WITH FSC SPEED CONTROL.

## EXPANSION TANK

BASIS OF DESIGN: WESSELS 
 TAG
 MODEL
 TANK VOLUME
 TANK ACCEPTANCE
 DIMENSIONS ØxH

ET-1 CX30-125 8.0 5 14X22.5

NOTES: SELECTION BASED ON 30% PROPYLENE GLYCOL PROVIDE WITH DIAPHRAGM AND 0 TYO 30 PSI PRESSURE GAUGE

## **GLYCOL FEED UNIT**

BASIS OF DESIGN:AXIOM 
 TAG
 MODEL
 FLOW GPM @ PSI
 TANK SIZE
 V/PH/Hz
 WATTS
 GF-1 MF200 .5 @ 15 6.6 GAL 115/1/60 50 FILL UNIT WITH 30% PROPLYNE GLYCOL AND SET UNIT TO MAINTAIN 10 PSI

## AIR & DIRT SEPARATOR

BASIS OF DESIGN: ITT BELL & GOSSETT TAG MODEL CONNECTION SIZE FLOW CV AS-1 CRSN2-1/2 2-1/2" 68 GPM 116 PROVIDE DRAIN VALVE WITH HOSE CONNECTION

## **CEILING FANS**

BASIS OF DESIGN: BIG ASS FAN OR EQUAL											
TAG	MODEL	SIZE IN DIA	CFM	MAX RPM	CFM/WATT	WEIGHT	MOTOR	V/PH/Hz			
CF-1	i6	60	9676	170	260	34 LB	35.4 WATTS	100-277/1/60			
CF-2	i6	60	9676	170	260	34 LB	35.4 WATTS	100-277/1/60			
CF-3	i6	60	9676	170	260	34 LB	35.4 WATTS	100-277/1/60			
CF-4	i6	60	9676	170	260	34 LB	35.4 WATTS	100-277/1/60			

NOTES: 1 PROVIDE FANS WITH FIXED WALL MOUNTED CONTROLS AND OPTIONAL DOWN RODS. 2 PROVIDE FANS WITH BRUSHED ALUMINUM FINISH

![](_page_9_Figure_39.jpeg)

	RETURN / OUTSIDE AIR DUCT DOWN
<u> </u>	EXHAUST DUCT DOWN
<u>} 18x10</u> }	DUCT SIZE IS 18" WIDE AND 10" TALL FREE AREA
	MANUAL VOLUME DAMPER
	FIRE DAMPER
$\sim$	FLEXIBLE DUCTWORK
TAG NECK/FACE SIZE C.F.M. NOTES	AIR TERMINAL REFERENCE SEE AIR TERMINAL SCHEDULE
OED	OPEN END DUCT
$\bigcirc$	THERMOSTAT SENSOR +48" OR AS NOTED
©	ROOM CO2 SENSOR BY CONTROLS CONTR.
TYP	TYPICAL
MFG	MANUFACTURER
DN	DOWN
AHJ	AUTHORITY HAVING JURISDICTION
NOTES: MECHANICAL CON POWER FOR CONT	TRACTOR SHALL PROVIDE ALL CONTROLS AND ROLS UNLESS SHOWN OTHERWISE

![](_page_9_Figure_41.jpeg)

SCALE: N.T.S.

![](_page_9_Picture_42.jpeg)

![](_page_10_Figure_0.jpeg)

![](_page_10_Figure_1.jpeg)

![](_page_11_Figure_0.jpeg)

DNS	PLUMBING DRAIN SYSTEM FIXTURE SCHEDULE						
DWATER	ID	FIXTURE	DESCRIPTION				
RETURN	<u>FD-1</u>	FLOOR DRAIN 2" P-TRAP	FIXTURE: SIOUX CHIEF 842-4PSRV, ON-GRADE ADJUSTABLE FLOOR DRAIN, NICKEL-BRONZE RING / STRAINER, / HEAD ADAPTER W/ BRASS THREAD INSERTS, PVC BASE ADAPTER, MEETS ASME A112.6.3.				
DRAIN ACTOR	OHD	OPEN HUB DRAIN 2" P-TRAP	FIXTURE: IN FLOOR PVC STANDPIPE RECEPTOR W/ RIM MIN. 1" A.F.F. FOR AIR-GAP OR AIR-BREAK PROTECTION INDIRECT OR LOCAL WASTE PIPING, INCREASER OPTIONAL.				
ATER TER JRN	<u>FCO</u>	FLOOR CLEANOUT	FIXTURE: SIOUX CHIEF 852, ADJUSTABLE CLEAN OUT, SQUARE GRATE, STAINLESS STEEL RING / COVER, PVC H ADAPTER, PVC BASE ADAPTER - SEE PLAN FOR PIPE DIAMETER DESIGNATION				
	WCO	WALL CLEANOUT	FIXTURE: SIOUX CHIEF 870 SERIES, 20 GA., SS COVER				
	<u>CO</u>	CLEANOUT	FIXTURE: EXPOSED CLEAN-OUT CAP				
REZONE BACKFLOW	YCO	YARD CLEANOUT	FIXTURE: REFER TO THIS SHEET FOR DETAIL				
JMP							

30" MAX.

P-TRAP

P-TRAP

![](_page_11_Figure_6.jpeg)

![](_page_11_Figure_7.jpeg)

BUILDING SEWER PIPING AND STORM SEWER PIPING OUTSIDE OF BUILDING BY OTHERS - REFER TO CIVIL SHEET SANITARY SEWER & VENT PIPING

ALL SANITARY SEWER PIPING SHALL BE SOLID PVC SCHEDULE 40 W/ DRAINAGE FITTINGS. SEWER PIPING 2" AND UNDER SHALL SLOPE AT 1/4" PER FOOT AND 3" AND LARGER PIPING SHALL SLOPE AT 1/8" PER FOOT DOWN TOWARDS SANITARY MAIN CONNECTION POINT.

PVC SOCKET FITTINGS: ASTM D 2665, MADE TO ASTM D 3311, DRAIN, WASTE, AND VENT PATTERNS AND TO FIT

1. ADHESIVE PRIMER SHALL HAVE A VOC CONTENT OF 550 G/L OR LESS WHEN CALCULATED ACCORDING TO

![](_page_11_Figure_14.jpeg)

PLUMBING	G FIXTURE SCHEDULE		
ID	FIXTURE		
	LAVATORY	FIXTURE: INTEGRAL BOWL AND TOP ASSEMBLY TO MEET ASME A112.19.2, COORDINATE W/ ARCHITECT, OWNER, GENERAL CONTRACTOR AND PLUMBER. FAUCET: SLOAN SF-2250, SENSOR FAUCET, INFARED, DECKMOUNT 4" TRIMPLATE, CONTROL MODULE HARDWIRE WITH PLUG ADAPTER, CHROME FINISH, ADA, 0.50 gpm, 1/2" H+C SUPPLIES TO BELOW DECK MIXING VALVE	
<u>L-1</u>	INTEGRAL BOWL AND TOP	MEETS ASME A112.18.1 <b>STOPS &amp; SUPPLIES:</b> MCGUIRE LOOSE KEY QUARTER TURN ANGLE STOPS W/ CHROME ESCUTCHEONS, FLUIDMASTER CONNECTORS & FLEXIBLE BRAIDED SUPPLY LINE, MEETS ASME A112.18.6, NFS STANDARD 61, SECTION 9.	
		DRAIN: MAINLINE ML760 GRID DRAIN, 1-1/4"Ø, 17 GA., CHROME FINISH, ADA 19 HOLES P-TRAP: DEARBORN 704 SERIES, 1-1/2" P-TRAP, FLANGE, QUARTER BEND, J-BEND, RUBBER WASHERS, NUTS, 17GA.	
		FIXTURE: ELKAY LUSTERTONE CLASSIC LRAD172265PD, 18GA SS, DROP-IN, 17"x22"x6-1/2", ADA, LUSTROUS SATIN FINISH, BOTTOM ONLY PADS FIXTURE MEETS ASME A112.19.3	
	SINK	<b>FAUCET:</b> DELTA FAUCET 27C4944-LS-TI, CAST DECKMOUNT, 6" 120° SWING SPOUT, 3-1/2" BLADE HANDLE WITH SANITARY HOOD, 4" CENTERS, RED / BLUE INDICATORS, CHROME FINISH, ADA, 1.50 gpm, 1/2" H+C SUPPLIES, SEPARATE MIXING VALVE, MEETS ASME A112.18.1, NSF 61 & 372.	
<u>S-1</u>	SINGLE BOWL DROP IN	STOPS & SUPPLIES: MCGUIRE LOOSE KEY QUARTER TURN ANGLE STOPS W/ CHROME ESCUTCHEONS, FLUIDMASTER         CONNECTORS & FLEXIBLE BRAIDED SUPPLY LINE, MEETS ASME A112.18.6, NFS STANDARD 61, SECTION 9.         DRAIN: ELKAY LKPD1, 1-1/2" DRAIN, 304 SS BODY / STRAINER, 1-1/2" DRAIN TAILPIECE, MEETS ASME A112.18.2	
		P-TRAP: MAINLINE MLP9703, 1-1/2" PVC TUBE P-TRAP W/ ADAPTER, 1-1/2" SLIP NUT. MIXING VALVE: WATTS SERIES LFUSG-B-MS, UNDER SINK GUARDIAN THERMOSTATIC MIXING VALVE TEMP. SETTING 105°E RECOMMENDED MEETS ASSE1070	
		FIXTURE: ELKAY LUSTERTONE CLASSIC LRAD331965PD, 18GA SS, DROP-IN, 17"x22"x6-1/2", ADA, LUSTROUS SATIN FINISH, BOTTOM ONLY PADS FIXTURE MEETS ASME A112.19.3	
	SINK TWIN BOWL DROP IN	<b>FAUCET:</b> DELTA FAUCET 27C4944-LS-TI, CAST DECKMOUNT, 6" 120° SWING SPOUT, 3-1/2" BLADE HANDLE WITH SANITARY HOOD, 4" CENTERS, RED / BLUE INDICATORS, CHROME FINISH, ADA, 1.50 gpm, 1/2" H+C SUPPLIES, SEPARATE MIXING VALVE, MEETS ASME A112.18.1, NSF 61 & 372.	
<u>S-2</u>		<b>STOPS &amp; SUPPLIES:</b> MCGUIRE LOOSE KEY QUARTER TURN ANGLE STOPS W/ CHROME ESCUTCHEONS, FLUIDMASTER CONNECTORS & FLEXIBLE BRAIDED SUPPLY LINE, MEETS ASME A112.18.6, NFS STANDARD 61, SECTION 9.	
		DRAIN: ELKAY LKPD1, 1-1/2" DRAIN, 304 SS BODY / STRAINER, 1-1/2" DRAIN TAILPIECE, MEETS ASME A112.18.2 P-TRAP: MAINLINE MLP9703, 1-1/2" PVC TUBE P-TRAP W/ ADAPTER, 1-1/2" SLIP NUT.	
		MIXING VALVE: WATTS SERIES LFUSG-B-MS, UNDER SINK GUARDIAN THERMOSTATIC MIXING VALVE TEMP. SETTING 105°F RECOMMENDED, MEETS ASSE1070.	
VB-1	VALVE BOX REFRIGERATOR WATER SUPPLY	FIXTURE: SIOUX CHIEF 696 SERIES OXBOX, ICE MAKER OUTLET BOX, FRAME, BRACKET, DEBRIS COVER, 1/4 TURN VALVE, 1/2" MALE SUPPLY CONNECTOR WITH ARRESTER, MEETS ASME A112.18.1, ASSE 101, NSF-372 COMPLIANT.	
	UTILITY SINK FLOOR MOUNTED 3" P-TRAP		<b>FIXTURE:</b> FIAT MOLDED-STONE MOP BASIN. 24"X24"X10" BASIN, 3" DRAIN, MODEL MSB2424, MOP HANGER, STRAINER, STAINLESS STEEL WALL GUARDS, VINYL BUMPERGUARD.
<u>US-1</u>		<b>FAUCET:</b> FIAT 830-AA SERVICE SINK FAUCET, 1/2" H+C SUPPLIES, 8" CENTERS, 4 ARM HANDLES BLUE AND RED DESIGNATIONS, SERVICE FAUCET W/ 3/4" HOSE THREAD, VACUUM BREAKER, CHROME PLATED, WALL BRACE, PAIL HOOK. MEETS ANSI-A112.18.1M AND ASSE 1001	
		ACCESSORIES: WATTS SERIES LFN9-CD BACKFLOW PREVENTER (HIGH HAZARD BACKSIPHONAGE BACKFLOW & LOW-HEAD BACKPRESSURE PER ASSE 1052)	
	WATER CLOSET FLUSH TANK ACCESSIBLE	<b>FIXTURE:</b> KOHLER CIMARRON K-5310-RA TOILET, FLOOR MOUNTED, ADA, SKIRTED TRAPWAY, 12" ROUGH-IN OUTLET, ELONGATED FRONT, 2-1/8" TRAPWAY 1.28 gpf, MIN. STATIC PRESSURE 20 psi, MIN. FLOW PRESSURE 25 psi FIXTURE MEETS ASME A112.19.2.	
<u>WC-1</u>		ACCESSORIES: KOHLER LUSTRA K-4666-CA, OPEN FRONT LESS COVER ELONGATED TOILET SEAT, 5-1/2" MOUNTING HOLES, SELF SUSTAINING HINGES MEETS ANSI Z124.5.	
		<b>STOPS &amp; SUPPLIES:</b> MCGUIRE LOOSE KEY QUARTER TURN ANGLE STOPS W/ CHROME ESCUTCHEONS, FLUIDMASTER CONNECTORS & FLEXIBLE BRAIDED SUPPLY LINE, MEETS ASME A112.18.6, NFS STANDARD 61, SECTION 9.	
	WATER CLOSET	<b>FIXTURE:</b> KOHLER WELLWORTH CLASSIC TOILET, FLOOR MOUNTED, ADA, SKIRTED TRAPWAY, 12" ROUGH-IN OUTLET, ELONGATED FRONT, 2-1/8" TRAPWAY, 1.6 gpf, MIN. STATIC PRESSURE 20 psi, MIN. FLOW PRESSURE 25 psi FIXTURE MEETS ASME A112.19.2	
<u>WC-2</u>	FLUSH TANK STANDARD	ACCESSORIES: KOHLER LUSTRA K-4666-CA, OPEN FRONT LESS COVER ELONGATED TOILET SEAT, 5-1/2" MOUNTING HOLES, SELF SUSTAINING HINGES, MEETS ANSI Z124.5.	
		<b>STOPS &amp; SUPPLIES:</b> MCGUIRE LOOSE KEY QUARTER TURN ANGLE STOPS W/ CHROME ESCUTCHEONS, FLUIDMASTER CONNECTORS & FLEXIBLE BRAIDED SUPPLY LINE, MEETS ASME A112.18.6, NFS STANDARD 61, SECTION 9.	
<u>HB-1</u>	HOSE BIBB	<b>FIXTURE:</b> WOODFORD MODEL B65, 3/4" INLET, 3/4" MALE HOSE THREAD NOZZLE, AUTOMATIC DRAINING, FREEZE-LESS, SINGLE CHECK HOSE CONNECTION, ANTI-SIPHON VACUUM BREAKER, KEY OPERATED, LOCKABLE BOX AND DOOR, CHROME FINISH, MEETS ASSE 1019-B AND 1011.	
<u>WS</u>	WATER SOFTENER WITH BRINE TANK	FIXTURE: U.S. WATER SYSTEMS MATRIXX WATER SOFTENER 080-MXBCS-125 1-1/4" INLET / OUTLET, RATED AT 35 gpm AT 20 psi, 15 psi DROP CONTINUOUS FLOW, 25 psi DROP PEAK FLOW, 8.0 gpm at 20 psi MAX. BACKWASH CYCLE, 3.0 gpm at 20 psi MAX BRINE FLOW COLD WATER VALVE RANGE 35-110°f, 100K GRAINS FOR 35 gpm CONTINUOUS FLOW TESTING FOR HARDNESS OF WATER TO BE COORDINATED W/ OWNER, PLUMBING CONTRACTOR, AND SOFTENER SUPPLIER FOR FINAL OPERATIONAL DESIGN.	
<u>MF-1</u>	SUPPLY PIPE MANIFOLD	<b>FIXTURE:</b> 1" COPPER L HEADER PIPE, CLOSED END, WITH (5) BRANCH CONNECTIONS FOR 3/4" HOSE BIBB PEX-A PIPING TO UNDERFLOOR, (1) 1/2" COPPER L SUPPLY PIPING UP TO SUSPENDED CEILING SPACE. ALL BRANCH CONNECTIONS TO HAVE INDIVIDUAL ISOLATION VALVES AT MANIFOLD LOCATION. MANIFOLD TO BE MOUNTED TO ADJACENT WALL.	
RPZ	REDUCED PRESSURE ZONE ASSEMBLY	FIXTURE: WATTS LF909M1-FS-QT-S REDUCED PRESSURE ZONE ASSEMBLY W/ STRAINER, 1-1/2" INLET, VERTICAL INSTALLATION, PROVIDE AIR GAP FITTINGS - 909AG-F W/ 909EL-F, MEETS ASSE 1013	
PRV	PRESSURE REDUCING VALVE	<b>FIXTURE:</b> WATTS LF25AUB-Z3, WATER PRESSURE REDUCING VALVE, 1-1/2" INLET, BYPASS VALVE INTEGRAL, PROVIDE PRESSURE GAUGE, LOW PRESSURE RANGE 10-35 psi, PRESSURE DROP 12 psi FOR 30 gpm FLOW RANGE, CONNECTION TYPE DETERMINED BY PLUMBING CONTRACTOR, MEETS ASSE 1003	

WATER HEAT	TER SYSTEM SCHEDULE									
	MANUFACTURER	ELEMENT	INLET / OUTLET	RECO	VERY	TANK CAP	1ST. HOUR		USABLE	ELECTRICAL
MODEL #		WATTS	PIPE Ø	GPH	RISE °F	USG	USGPH	% EFF.	USG	VOLTAGE
<u>WH</u>	RHEEM LIGHT DUTY WATER HEATER ELD40	(2) 4000 SIMULTANEOUS	3/4" INLET 3/4" OUTLET	32	100	40	32	97	32	208v
RCP		FIXTURE: GRUNDFOS UPS 15-35 SFC, IN-LINE 3-SPEED 3/20 hp, SS PUMP HOUSING, 2-BOLT FLANGE 3/4", 84w 115v MAX. FLOW 21.6 gpm, MAX. HEAD 12.14ft								
	PROCESS	BALANCING VALV 1/2" UNION CONNE	/E: THERMOMEGA CTION TYPE, 115ଂ।	TECH CIRCU F RETURN T	JITSOLVER EMP., PROV	UNION, THE /IDE SHUT-O	RMOSTATIC	BALANCING OTH INLET /	VALVE, CSU- OUTLET SIDE	1/2-115 S.

	TABLE	C404.5.1		TABLE C404.5.1				
PIPING VOLUME AND MAX. PIPING LENGTHS				PIPING VOLUME AND MAX. PIPING LENGTHS				
		MAXIMUM PIPING LENGTH (FEET)				MAXIMUM PIPING LENGTH (FEET)		
NOMINAL PIPE SIZE (INCHES)	VOLUME (LIQUID OUNCES PER FOOT LENGTH)	PUBLIC LAVATORY FAUCETS	OTHER FIXTURES AND APPLIANCES	NOMINAL PIPE SIZE (INCHES)	VOLUME (LIQUID OUNCES PER FOOT LENGTH)	PUBLIC LAVATORY FAUCETS	OTHER FIXTURES AND APPLIANCES	
1/4	0.33	6	50	7/8	4	0.5	16	
5/16	0.5	4	50	1	5	0.5	13	
3/8	0.75	3	50	1 1/4	8	0.5	8	
1/2	1.5	2	43	1 1/2	11	0.5	6	
5/8	2	1	32	2	18	0.5	4	
3/4	3	0.5	21		1 GALLON =	128 OUNCES		

SUPPOR	T SPACING		
PIPE MATERIAL	MAXIMUM HORIZONTAL SPACING (FT)	MAXIMUM VERTICAL SPACING (FT)	<u>F</u>  1
ACRYLONITRILE BUTA-DIENE STYRENE (ABS)	4	10	
COPPER OR COPPER - ALLOY PIPE	12	10	
Copper or copper - Alloy Tubing: <1 1/4"Ø	6	10	3
COPPER OR COPPER - ALLOY TUBING: > 1 1/2"Ø	10	10	4
CROSSLINKED POLYETH-YLENE (PEX)	2 <sup>2</sup> ⁄3	4	
DUCTILE IRON	5 <sup>a</sup>	15	
GALVANIZED STEEL	12	15	]5
POLYVINYL CHLORIDE, FLEXIBLE (PVC)	2	4	
POLYVINYL CHLORIDE (PVC)	4	10	]6
STAINLESS STEEL	12	15	7
a. THE MAXIMUM HORIZON SUPPORTS MAY BE INCREA	TAL SPACING F	OR ET WHEN	

SUPPORTS MAY BE INCREASED TO 10 FEET WHE 10-FOOT LENGTHS OF PIPE ARE EMPLOYED. b. MID-STORY GUIDE IS TO BE EMPLOYED.

### PIPE HANGERS: STRENGTH. HANGERS, ANCHORS AND SUPPORTS FOR PIPING SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT THE PIPING AND ITS CONTENTS. DRAIN PIPING SHALL BE CONSIDERED AS BEING FULL OF WATER. UNDERGROUND PIERS FOR PIPE SUPPORT SHALL BE OF CONCRETE, MASONRY, PLASTIC OR PRESSURE TREATED WOOD. HANGERS AND STRAPS SHALL BE OF A COMPATIBLE MATERIAL THAT WILL REDUCE THE POTENTIAL FOR GALVANIC ACTION WITH THE

- POTENTIAL FOR GALVANIC ACTION WITH THE PIPING. . HANGERS AND STRAPS MAY NOT DISTORT, CUT OR-ABRADE PIPING. . PIPING HANGERS AND ANCHORS SHALL BE
- SECURELY ATTACHED TO THE BUILDING'S STRUCTURE AT INTERVALS TO SUPPORT THE PIPING AND ITS CONTENTS, BUT NOT AT INTERVALS GREATER THAN THOSE SPECIFIED IN THE CURRENT PLUMBING CODE.THE CONNECTION OF DRAIN PIPING TO A FIXTURE OR APPLIANCE SHALL BE CONSIDERED A POINT OF SUPPORT.
- 5. HUB-LESS PIPE INSTALLED IN THE HORIZONTAL POSITION SHALL BE SUPPORTED WITHIN 24" ON EACH SIDE OF A JOINT, UNLESS THE JOINT HAS AN ALIGNMENT RETAINING SHIELD.
  6. HANGERS SHALL NOT BE ATTACHED TO A BUILDING'S STRUCTURE BY MEANS OF WOOD
- PLUGS. SHOWER VALVES AND PIPING FROM THE SHOWER VALVE TO THE SHOWER HEAD OUTLET SHALL BE SECURELY ATTACHED TO THE STRUCTURE.

PIPE INS	PIPE INSULATION SCHEDULE						
PIPE	SIZE	THICKNES S	CONDUCTIVI TY				
HOT WATER SUPPLY 140°F MAX	≤ 1 1/2"	1	.2128				
HOT WATER SUPPLY 140°F MAX	≥ 2"	1.5	.2128				
COLD WATER SUPPLY ABOVE GRADE	≤ 1 1/2"	0.5	.2127				
COLD WATER SUPPLY ABOVE GRADE	≥ 2"	1	.2127				
HOT WATER RETURN	≤ 1 1/2"	1	.2128				

![](_page_12_Figure_11.jpeg)

![](_page_13_Figure_0.jpeg)

![](_page_13_Figure_1.jpeg)

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![](_page_14_Figure_0.jpeg)

![](_page_14_Figure_1.jpeg)

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![](_page_15_Figure_1.jpeg)

![](_page_15_Picture_2.jpeg)

![](_page_15_Figure_3.jpeg)

![](_page_16_Figure_0.jpeg)

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## 22 STAFF WORKROOM EAST SCALE: 1/4" = 1'-0"

![](_page_16_Figure_4.jpeg)

## **17** RR 109 NORTH SCALE: 1/4" = 1'-0"

## **18** RR 109 EAST SCALE: 1/4" = 1'-0"

![](_page_16_Figure_8.jpeg)

![](_page_16_Figure_12.jpeg)

- 1/4" GLASS MIRROR PAPER TOWEL DISPENSER/WASTE RECEPTACLE SOAP DISPENSER - SINK; SEE PLUMBING GRAB BAR TOILET TISSUE DISPENSER - ACCESSIBLE WATER CLOSET; SEE PLUMBING

-ADULT CHANGING TABLE

- TOILET TISSUE DISPENSER

- GRAB BAR

PLUMBING

# **1 1 RR 124 NORTH** SCALE: 1/4" = 1'-0"

![](_page_16_Figure_15.jpeg)

### - BABY CHANGING STATION – COAT HOOK

## 2 MEETING ROOM KITCHENETTE SCALE: 1/4" = 1'-0"

### - SOLID SURFACE COUNTERTOP WITH 4" BACKSPLASH - MICROWAVE BY OWNER - PLASTIC LAMINATE BASE CABINET

- PLUMBING FIXTURE; SEE PLUMBING FOR REQUIREMENTS

– PLASTIC LAMINATE WALL CABINET W/ ADJUSTABLE SHELVING

REFRIGERATOR BY OWNER; SEE M.E.P. FOR ADDITIONAL REQUIREMENTS

## **3** RR 104 NORTH SCALE: 1/4" = 1'-0"

![](_page_16_Figure_24.jpeg)

## 23 COFFEE BAR SCALE: 1/4" = 1'-0"

## CHILDREN'S COMPUTER 24 DESK SCALE: 1/4" = 1'-0"

![](_page_16_Figure_27.jpeg)

## **19** RR 109 SOUTH SCALE: 1/4" = 1'-0"

-

109.1

![](_page_16_Figure_29.jpeg)

![](_page_16_Figure_30.jpeg)

## **12** RR 124 EAST SCALE: 1/4" = 1'-0"

![](_page_16_Figure_32.jpeg)

– SINK; SEE PLUMBING

—ADULT CHANGING TABLE

- PAPER TOWEL DISPENSER/WASTE

– COAT HOOK

RECEPTACLE

**13** RR 124 SOUTH SCALE: 1/4" = 1'-0"

## **4** RR 104 EAST SCALE: 1/4" = 1'-0"

24x42 

6 A5.2

-7

1/4" GLASS MIRROR

SINK; SEE PLUMBING

ACCESSIBLE WATER

- TOILET TISSUE DISPENSER

SOAP DISPENSER

PAPER TOWEL DISPENSER/WASTE

RECEPTACLE

- GRAB BAR

CLOSET; SEE PLUMBING

## **5** RR 104 SOUTH SCALE: 1/4" = 1'-0"

– GRAB BAR

PLUMBING

- BABY CHANGING STATION

- TOILET TISSUE DISPENSER

- ACCESSIBLE WATER CLOSET; SEE

![](_page_16_Figure_36.jpeg)

![](_page_17_Figure_0.jpeg)

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![](_page_17_Figure_3.jpeg)

![](_page_17_Figure_5.jpeg)

![](_page_17_Figure_6.jpeg)

![](_page_17_Figure_8.jpeg)

![](_page_17_Figure_9.jpeg)

5 CHILDREN'S FALLS WINDOW SCALE: 1/4" = 1'-0"

![](_page_17_Picture_11.jpeg)

## **REFLECTED CEILING PLAN NOTES**

1. CEILING GRID TO BE CENTERED EACH WAY WITHIN ROOMS AND ARE AS SHOWN ON THE REFLECTED CEILING PLAN, U.N.O. ALL ELECTRICAL, MECHANICAL, PLUMBING AND FIRE PROTECTION DEVISED TO BE CENTERED WITHIN CEILING TILES, U.N.O. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION (IF APPLICABLE) DRAWINGS FOR DUCTWORK, DEVICES, EQUIPMENT, & FIXTURES NOT SHOWN ON THE REFLECTED CEILING PLANS. COORDINATE LOCATION OF THESE ITEMS WITH THOSE SHOWN. IN ROOMS AND/OR AREAS SCHEDULED TO HAVE EXPOSED STRUCTURE, ALL WALL MATERIALS AND FINISHES TO EXTEND TO UNDERSIDE OF ROOF OR FLOOR DECK, U.N.O. 5. CEMENT BOARD AND GYPSUM BOARD CEILINGS TO BE INSTALLED ON SUSPENSION SYSTEM PER PROJECT MANUAL, U.N.O. 6. WALL GYPSUM BOARD SHALL EXTEND 6" MINIMUM ABOVE HIGHEST ADJACENT CEILING AT PARTITIONS NOT IDENTIFIED TO BE FULL-HEIGHT. BRACE TOP OF WALL TO STRUCTURE ABOVE WITH METAL FRAMING AT 48" O.C. EACH WAY. 7. GYPSUM BOARD VERTICAL RETURNS ON SOFFITS AND BULKHEADS TO EXTEND 6" MINIMUM ABOVE HIGHEST ADJACENT CEILING HEIGHT, U.N.O. 8. REFER TO MECHANICAL DRAWINGS & PROJECT MANUAL FOR REQUIRED LOCATIONS OF ACCESS PANELS IN GYPSUM BOARD OR CEMENT BOARD CEILINGS NOT SHOWN ON THE REFLECTED CEILING PLANS. COORDINATE PANEL LOCATION WITH ARCHITECT. 9. PAINT ALL EXPOSED STEEL, CONDUIT, DUCTWORK, PIPING, ETC. IN ROOMS AND/OR AREAS NOTED OR SCHEDULED TO RECEIVED PAINTED FINISHES. 10. PROVIDE SUPPORT WIRE ABOVE THE CEILING AT 2'-0" O.C. ON CEILING GRID MEMBERS AROUND ALL CEILING MOUNTED PROJECTION SCREEN LOCATIONS NOTED ON THE DRAWINGS. PROVIDE ESCUTCHEONS AT ALL CEILING PENETRATIONS, U.N.O.
 HOLD GYPSUM BOARD AND/OR CEMENT BOARD 1/2" OFF STRUCTURE.

13. SEE TYPICAL WALL TYPES FOR TOP OF WALL CONSTRUCTION.

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![](_page_18_Figure_4.jpeg)

![](_page_18_Picture_5.jpeg)

![](_page_18_Picture_19.jpeg)

![](_page_19_Picture_1.jpeg)

1 MAIN LEVEL FLOOR FINISH PLAN SCALE: 3/16" = 1'-0"

## FLOOR FINISH LEGEND

![](_page_19_Figure_5.jpeg)

								I I	
		FLOOR	BASE			CEILING			
NUMBER	NAME	FINISH	FINISH	N	ORTH SOUT	H EAST	WEST	FINISH	COMMENT
100			DD	D	D	D	D		
100					D F			ACT	
101					P P				
102				Г					
103	RR.			P D				GB-P	
104	RR.	LV1-2							
105		SC	RB	P	P		P		
106		SC	RB	P	P	P	P	EXP	
107		LV1-1	RB	P	P	P	P		
108	MECHANICAL	SC	RB	P	P	P	P	EXP	
109		LVI-2	RB	P	P	RWC	P	GB-P	
110	STORAGE	SC	RB	P	P	P	P	EXP	
111	DESK	CPT-1	RB	Р	Р	P	Р	ACT/GB-P	
112	DROP	CPT-1	RB	Р	Р	Р	Р	EXP	
113	DIR. OFFICE	CPT-1	RB	Р	Р	Р	Р	ACT	
114	TECH.	CPT-1	RB	Р	-	-	-	EXP	
115	STUDY1	CPT-1	RB	Р	Р	Р	Р	ACT	
116	STUDY2	CPT-1	RB	Р	Р	Р	Р	ACT	
117	CONFERENCE	CPT-1	RB	Р	Р	Р	Р	ACT	
118	TEEN	CPT-1	RB	Р	-	P	Р	EXP	
119	SITTING AREA	CPT-1, CT-1	RB	-	-	Р	-	EXP	
120	ADULT	CPT-1	RB	Р	Р	Р	Р	EXP	
121	ADULT TOWER SEATING	CPT-1	RB	Р	Р	Р	Р	EXP	
122	SILO ROOM	CPT-3	RB	Р	Р	Р	P	EXP	
123	CHILDREN	CPT-2, CPT-3	RB	Р	P	P	P	EXP	
124	RR.	LVT-2	RB	Р	RWC	P	P	GB-P	
125	NEW ARRIVALS / MEDIA	CPT-1	RB	Р	Р	Р	-	EXP	

## **ROOM FINISH NOTES**

- 1. FINISHES FOR CLOSETS AND AREAS NOT SHOWN SHALL RECEIVE THE SAME FINISH TO THAT OF THE ADJACENT ROOM.
- 2. ELECTRICAL PANELS AND ACCESS DOOR PANELS SHALL BE PRIMED AND PAINTED TO MATCH ADJACENT WALLS (VERIFY WITH OWNER).
- 3. CONCRETE FLOORS THAT ARE NOT SCHEDULED FOR A FINISH FLOOR MATERIAL SHALL RECEIVE SEALER PER THE PROJECT MANUAL. CONCRETE FLOORS ARE TO BE CLEANED OF ALL FOREIGN MATERIAL PRIOR TO THE APPLICATION OF THE SEALER.
- 4. PROVIDE EXPANSION JOINTS AT ALL SLAB EDGES AGAINST EXTERIOR WALLS. REFER TO
- STRUCTURAL. 5. SLOPE INTERIOR FLOOR SLAB TO DRAIN AT 1/8" PER FOOT WHERE SLOPED SLABS ARE INDICATED, U.N.O. FLOOR SLAB TO BE SLOPED DOWN AROUND DRAINS WHERE FLOOR SLAB IS NOT INDICATED TO BE SLOPED, EXCEPT IN RESTROOMS WITH TILE. IN RESTROOMS WITH TILE, INSTALL DRAIN TO BE FLUSH WITH ADJACENT FLOOR TILE. REFER TO MECHANICAL DRAWINGS FOR ALL FLOOR DRAINS.
- FLOOR DRAINS AND TRENCH DRAINS INDICATED FOR LOCATION AND CONFIGURATION ONLY, REFER TO MECHANICAL DRAWINGS FOR PRODUCT AND PIPING INFORMATION.
   JOINT LAYOUT LOCATIONS SHOWN ARE FOR BIDDING PURPOSES ONLY. VERIFY LAYOUT / LOCATIONS WITH ARCHITECT PRIOR TO BEGINNING WORK AND SUBMIT JOINT LAYOUT DRAWING
- FOR APPROVAL.
- VERIFY WALL AND FLOOR TILE PATTERN LAYOUT WITH ARCHITECT PRIOR TO BEGINNING WORK.
   4X4, 8X8 TILE JOINTS (BOTH ON WALL AND FLOOR) ARE TO ALIGN WITH MASONRY JOINTS ON WALL. WHERE TILE JOINTS DO NOT ALIGN WITH THAT OF CMU, CUT TILES AT MIDDLE OF THE RUN OR AT THE DOOR, OR AS SHOWN ON FLOOR FINISH PLANS. IF DISCREPANCY IS FOUND, CONTACT ARCHITECT BEFORE LAYING TILE.
- DEPRESS CONCRETE SLABS FOR FLOOR FINISHES OVER 1/2" DEPTH. VERIFY DEPTH REQUIRED.
   ALL FLOOR FINISH TRANSITIONS TO BE LOCATED UNDER DOOR CENTERLINES, U.N.O.

## **ROOM FINISH SCHEDULE LEGEND**

## <u>FLOORS</u>

CPT CARPET TILE CT CERAMIC TILE SC SEALED CONCRETE WCPT WALK-OFF CARPET TILE

<u>BASE</u> CT CERAMIC TILE BASE RB RESILIENT BASE WD WOOD BASE

<u>WALL</u> CT CERAMIC TILE P PAINT

CERAMIC TILE

//////

## <u>CEILING</u> ACT-1 ACOUSTICAL CEILING TILE, TYPE 1 ACT-2 ACOUSTICAL CEILING TILE, TYPE 2 EXP EXPOSED STRUCTURE, NO PAINT EXP-P EXPOSED STRUCTURE, PAINT GB-P GYPSUM BOARD, PAINT WP WOOD PANEL

PROOF MEMBRANE 2 CT-CPT SCALE: 12" = 1'-0" CL OF DOOR -CARPET TILE -**3** CPT-SC SCALE: 12" = 1'-0"

![](_page_19_Figure_26.jpeg)

METAL TRANSITION STRIP

CARPET TILE

CT: CERAMIC TILE LVT: LUXARY VINYL TYLE

![](_page_19_Figure_29.jpeg)

![](_page_20_Figure_0.jpeg)

![](_page_20_Picture_10.jpeg)

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8

![](_page_21_Picture_2.jpeg)

1 MAIN FLOOR FURNITURE PLAN SCALE: 3/16" = 1'-0"

![](_page_21_Figure_5.jpeg)

![](_page_21_Figure_6.jpeg)

![](_page_22_Figure_0.jpeg)

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![](_page_22_Picture_8.jpeg)