

City Hall Expansion and Remodel

CITY OF CLYDE HILL

9605 NE 24th St, Clyde Hill, WA 98004



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10/13/2021

PROJECT TEAM

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City of Clyde Hill
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PROJECT INFORMATION

PARCEL NUMBER: 808600-0380

LEGAL DESCRIPTION: SUMMIT PLACE 3RD ADD & POR VAC ST

ZONING: R1
Plat Block: 20
Plat Lot: 5

APPLICABLE BUILDING CODES:

- 2018 INTERNATIONAL BUILDING CODE WITH WA STATE AMENDMENTS
- 2018 INTERNATIONAL EXISTING BUILDING CODE
- 2018 WASHINGTON ENERGY CODE
- WASHINGTON ADMINISTRATIVE CODE (WAC)
- 2010 ADA STANDARDS

PERMIT NUMBER: _____

CONSTRUCTION TYPE: NON-REINFORCED MASONRY (EXISTING)

SPRINKLER SYSTEM: NO
AUTO FIRE ALARM: YES (EXISTING)

OCCUPANT LOAD IBC TABLE 1004.5:

A	46 OCC.	694 SF
B	36 OCC.	4,807 SF
S-2	2 OCC.	545 SF
U	3 OCC.	516 SF
TOTAL	87 OCC.	6,562 SF (EXISTING)

BUILDING NET AREA (EXISTING): 5,302 SF
AREA OF WORK: 2,637 SF - ALTERATIONS
54 SF - ADDITIONS

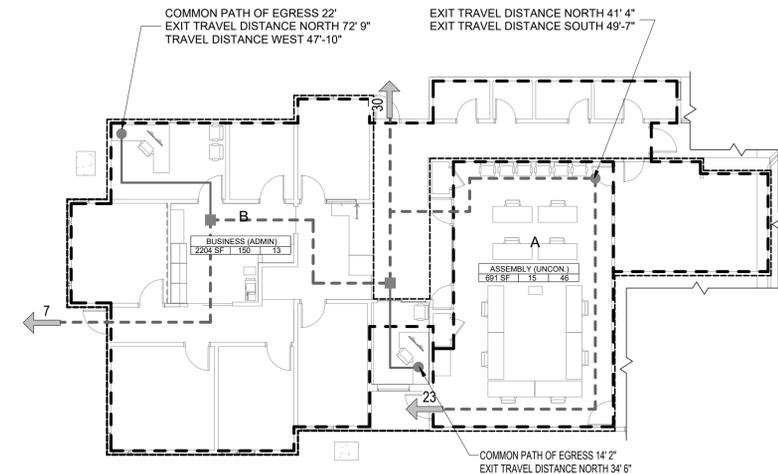
PROJECT DESCRIPTION: THIS PROJECT INCLUDES LIMITED ALTERATIONS AND ADDITIONS TO THE CLYDE HILL'S TOWN HALL.

SCOPE OF WORK INCLUDES BUT IS NOT LIMITED TO THE ADDITION FOR (1) OFFICE, CONVERSION OF STORAGE TO (1) OFFICE, NEW FLOOR FINISHES, RELOCATED INTERIOR WALLS, NEW CASEWORK, UPDATED AV EQUIPMENT, AND CORRESPONDING ELECTRICAL AND MECHANICAL WORK.

ACCESSIBILITY NOTE: ACCESSIBILITY UPGRADES TO INCLUDE ACCESSIBLE DOORWAYS, DOOR CLEARANCES AND ACCESSIBLE RECEPTION COUNTER.

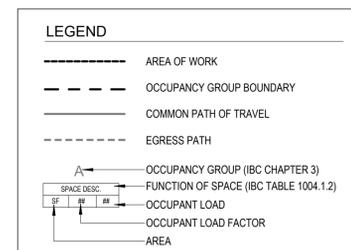
ABBREVIATIONS

&	AND	DEM.	DEMOLISH, DEMOLITION	GALV.	GALVANIZED	O.A.	OVERALL	S.	SOUTH	TRD. OR T	TREAD
∠	ANGLE	DET./DTL.	DETAIL	GND.	GROUND	O.H.	OVERHEAD	S.C.	SOLID CORE	T.V.	TELEVISION
@	AT	DIA.	DIAMETER	GR.	GRADE	OBS.	OBSCURE	SCHED.	SCHEDULE	T.O.W.	TOP OF WALL
⊕	CENTERLINE	DM.	DIMENSION	G.S.	GALVANIZED STEEL	O.C.	ON CENTER	S.DET. /SD	SMOKE DETECTOR	TYP.	TYPICAL
∅	DIAMETER	DISP.	DISPENSER	GWB	GYP/SUM WALL BOARD	O.D.	OUTSIDE DIAMETER (DIM.)	SECT.	SECTION	UNF.	UNFINISHED
#	FOUND OR NUMBER	DN.	DOWN	GYP.	GYP/SUM	OF/D.O.	OVERFLOW	S.F.	SQUARE FOOT (FEET)	UNO.	UNLESS NOTED OTHERWISE
ACOUS.T.	ACOUSTICAL	D.O.	DOOR OPENING	H.D.	HEAD	OF/CI	OFFICE	S.G.	SAFETY GLASS	U.O.N.	UNLESS NOTED OTHERWISE
ADJ.	ADJACENT	DP.	DEEP	H.W.	HARDWARE	OPNG.	OWNER FURNISH	SH.	SHelf	VAC.	VACUUM
ADJUST.	ADJUSTABLE	DR.	DRAWING	HORIZ.	HOLLOW METAL	OPP.	CONTRACTOR INSTALL	SHIT.	SHEET	V.B.	VAPOR BARRIER
AL/ALUM.	ALUMINUM	DWG.	DRAWING	H.R.	HORIZONTAL	QI	OPENING	SHWR.	SHOWER	VERT.	VERTICAL
APC	ACOUSTICAL PANEL CEILING	DWR.	DRAWER	HRS	HOUR		OPPOSITE	S.M.	SHEET METAL	VEST.	VESTIBULE
APPROX.	APPROXIMATE	E.	EAST	HT.	HOLLOW STRUCTURAL SECTION		OVER	S.O.G.	SLAB ON GRADE	V.T.O.	VENT TO OUTSIDE
ARCH.	ARCHITECTURAL OR ARCHITECT	EA	EACH	HT.	HEIGHT	PERP.	PERPENDICULAR	SPEC.	SPECIFICATION	W.	WEST
BLDG.	BUILDING	EL.	ELEVATION	I.B.C.	INTERNATIONAL BUILDING CODE	P.LAM. P. LAM.	PLASTIC LAMINATE	SQ.	SQUARE	W.	WITH
BLK.	BLOCK	ELEC.	ELECTRICAL	IN.	INCH	PLYWD.	PLYWOOD	S.S.	STAINLESS STEEL	W.	WITH
BLKG.	BLOCKING	ELEV.	ELEVATOR (OR ELEVATION)	INCL.	INCLUDED (ING)	PRCAST.	PRECAST	STD.	STANDARD	W.A.B.	WEATHER AIR BARRIER (SAME AS WRB)
BLW.	BELOW	EQ.	EQUAL	INSUL.	INSULATION	PT.	PRESSURE TREATED	STL.	STEEL	W.R.B.	WEATHER/WATER RESISTIVE BARRIER
BOT.	BOTTOM	EQT. /EQUIP.	EQUIPMENT	INT.	INTERIOR	PT.	POINT	STOR.	STORAGE	W.C.	WATER CLOSET
BTWN.	BETWEEN	EX/ EXIST (E)	EXISTING	INT.	INTERIOR	PTD.	PAINTED	STR.L. STRUCT.	STRUCTURAL	WD.	WOOD
CAB.	CABINET	EXP.	EXPANSION	LAM.	LAMINATE	PRE-FIN	PRE-FINISHED	SUSP.	SUSPENDED	WDW.	WINDOW
C.I.P.	CAST IN PLACE	EXT.	EXTERIOR	LT.	LIGHT	R.	RISER	SYM.	SYMMETRICAL	WP.	WITHOUT
C.J.	CONSTRUCTION/CONTROL JOINT	FDN.	FOUNDATION	MAX.	MAXIMUM	R.D./D.F.	ROOF DRAIN & OVERFLOW	T.B.S.	TO BE SELECTED	W.R.	WATER RESISTANT, WATER-RESISTIVE
C.L.	CENTERLINE	F.E.	FIRE EXTINGUISHER	MECH.	MECHANICAL	RECEPT.	RECEPTION	T.C.	TOP OF CURB	WSC.	WAINSCOT
CLG.	CEILING	F.E.C.	FIRE EXTINGUISHER CABINET	MIN.	MINIMUM	REF.	REFERENCE	TEL.	TELEPHONE	WT.	WEIGHT
CLK.	CALLING	F.F.	FINISH FLOOR	MISC.	MISCELLANEOUS	REQD.	REQUIRED	TEMP.	TEMPORARY		
CLR.	CLEAR	FG.	FIBER GLASS	MTL.	METAL	R.O.	ROUGH OPENING	TER.	TERRAZZO		
CMU.	CONCRETE MASONRY UNIT	F.H.	FIRE HYDRANT	MTRL.	MATERIAL	R.O.	ROUGH OPENING	T&G.	TONGUE & GROOVE		
CONC.	CONCRETE	F.H.C.	FIRE HOSE CABINET	N.	NORTH	RGSTR.	REGISTER	THK.	THICK		
CONN.	CONNECTION	FIN.	FINISH	N.I.C.	NOT IN CONTRACT	RSP.	RIGID SHEET PANEL	T.O.	TOP OF		
CONSTR.	CONSTRUCTION	FL. FLR.	FLOOR	N.T.S.	NOT TO SCALE						
CONTR.	CONTINUOUS	FLASH.	FLASHING								
CORR.	CORRIDOR	FRF.	FIREPROOF								
CPT.	CARPET	FRP.	FIBERGLASS REINFORCED PANEL								
CTR.	CENTER	F.S.	FULL SIZE								
		FT.	FOOT OR FEET								
		FTG.	FOOTING								
		FURR.	FURRING								
		FUT.	FUTURE								
		F.V.	FIELD VERIFY								



1 AREA OF WORK & EGRESS

Scale: 3/32" = 1'-0"



GENERAL PROJECT NOTES

1. CONSTRUCTION OF THIS PROJECT SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND EACH SUBCONTRACTOR TO REVIEW, UNDERSTAND AND COORDINATE WORK WITH APPLICABLE CODES, ORDINANCES, REGULATIONS, AND ALL CONTRACT DRAWINGS BEFORE THE INSTALLATION OF THEIR WORK. ANY DISCREPANCY BETWEEN DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE AND AT NO EXPENSE TO THE OWNER, ENGINEER OR ARCHITECT.
3. SCHEDULE AND RECEIVE APPROVAL FROM GOVERNING JURISDICTION AND THE ENGINEER FOR ALL UTILITY INTERRUPTIONS IN ADVANCE OF NEEDED DATE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE REQUIRED NOTIFICATION TIMES WITH EACH GOVERNING JURISDICTION AND/OR UTILITY.
4. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL OPENINGS FOR MECHANICAL EQUIPMENT, ELECTRICAL EQUIPMENT. OWNER SUPPLIED EQUIPMENT, AND OTHER EQUIPMENT.
5. PROVIDE BLOCKING BEHIND ALL WALL MOUNTED ACCESSORIES AND MILLWORK AS REQUIRED BY APPLICABLE MANUFACTURER RECOMMENDATIONS, AND AS INDICATED BY ARCHITECT.
6. ALL PENETRATIONS OF FIRE RESISTIVE WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DETAILS THAT CONFORM TO UNDERWRITERS LABORATORIES' LISTINGS FOR THROUGH PENETRATION FIRE STOP SYSTEM.
7. CONTRACTOR SHALL CONTACT ARCHITECT PRIOR TO FINAL PLACEMENT OF LIGHT FIXTURES AND DIFFUSERS IN ALL CEILINGS AND WALLS. COORD. WITH ELECTRICAL PRIOR TO ACOUSTICAL CEILING GRID INSTALLATION.
8. ALL ELECTRICAL, PLUMBING & MECHANICAL PENETRATIONS SHALL BE SEALED AND PROVIDED WITH ESCUTCHEONS.
9. CONTRACTOR SHALL CONTACT ARCHITECT PRIOR TO FINAL PLACEMENT OF LIGHT FIXTURES & DIFFUSES IN ALL CEILINGS AND WALLS. COORD. WITH ELECTRICAL PRIOR TO ACOUSTICAL CEILING GRID INSTALLATION
10. ALL DIMENSIONS ARE FROM FACE OF CONCRETE, BLOCK, STUD OR CENTERLINE OF COLUMNS, UNLESS NOTED OTHERWISE.
11. ALL EXTERIOR WALL & ROOF OPENINGS, FLASHING, COUNTER-FLASHING, EXPANSION JOINTS SHALL BE CONSTRUCTED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF AND WATERTIGHT.
12. EACH INSTALLER SHALL BE RESPONSIBLE FOR VERIFICATION AND COORDINATION WITH OTHER INSTALLERS TO SECURE COMPLIANCE OF DRAWING AND SPECIFICATIONS CONCERNING THE ACCURATE LOCATION OF STRUCTURAL MEMBERS AND OPENINGS FOR MECHANICAL, ELECTRICAL AND MISCELLANEOUS EQUIPMENT.
13. **DO NOT SCALE DRAWINGS.** THE CONTRACTOR SHALL USE DIMENSIONS AS SHOWN AND ACTUAL FIELD MEASUREMENT. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
14. RECYCLING- CONTRACTOR IS ENCOURAGED TO RECYCLE ALL MATERIALS POSSIBLE AND TO USE RECYCLED MATERIALS WHERE SUITABLE. CONTRACTOR SHOULD NOTIFY ARCHITECT OF POTENTIAL RECYCLED MATERIALS WHICH MAY BE APPROPRIATE FOR SUBSTITUTION. REFER TO THE 'DIRECTORY OF RECYCLED CONTENT BUILDING AND CONSTRUCTION PRODUCTS', CLEAN WASHINGTON CENTER, (206) 464-7040.
15. PROVIDE FIRE BLOCKING PER 2015 I.B.C. SECTION 718
16. THIS PROJECT HAS BIDDER DESIGNED AND INSTALLED FEATURES AS NOTED BELOW, TO BE SUBMITTED AS A DEFERRED SUBMITTAL BY THE CONTRACTOR. DEFERRED SUBMITTAL DOCUMENTS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WHO WILL REVIEW THEM AND FORWARD (PRIOR TO SUBMITTAL) THEM TO THE CITY OF CLYDE HILL NOTING THEY HAVE BEEN REVIEWED FOR CONFORMANCE WITH THE BUILDING DESIGN
A. FIRE ALARM SYSTEM
17. SYSTEMS COMMISSIONING - ALL HVAC CONTROL SYSTEMS, LIGHTING CONTROLS, AND OTHER AUTOMATICALLY CONTROLLED SYSTEMS FOR WHICH ENERGY CONSUMPTION PERFORMANCE, OR MODE OF OPERATION ARE REGULATED BY WAC.51.11.1416 SHALL REQUIRE SYSTEMS COMMISSIONING. PRELIMINARY AND FINAL REPORTS SHALL BE IN ACCORDANCE WITH SECTION 1416.4.2.2
18. HAZARDOUS MATERIALS: IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED IN THE WORK.
B. IF SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY ARCHITECT AND OWNER. HAZARDOUS MATERIALS WILL BE REMOVED BY OWNER UNDER A SEPARATE CONTRACT.

BID SET

No.	Description	Date:

Project Title:

City Hall Expansion and Remodel

Sheet Title:

TITLE PAGE, EGRESS, AREA OF WORK

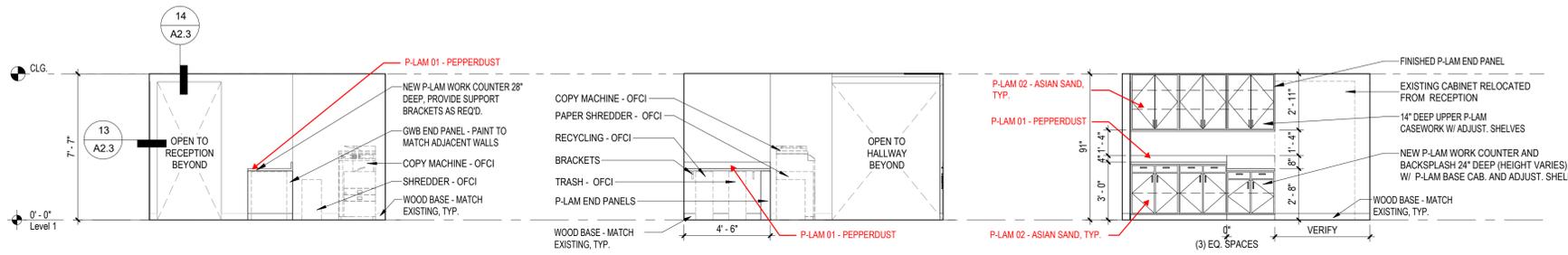
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Project No.: 16-32

Date: 10/31/2022

Sheet Number:

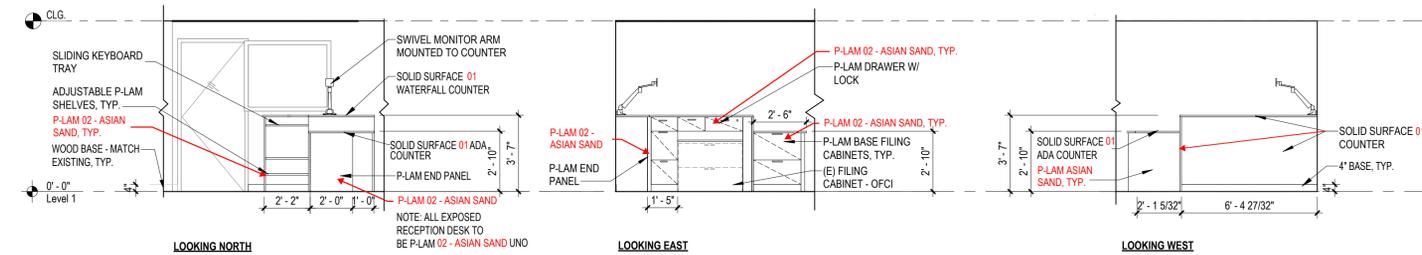
A2.1



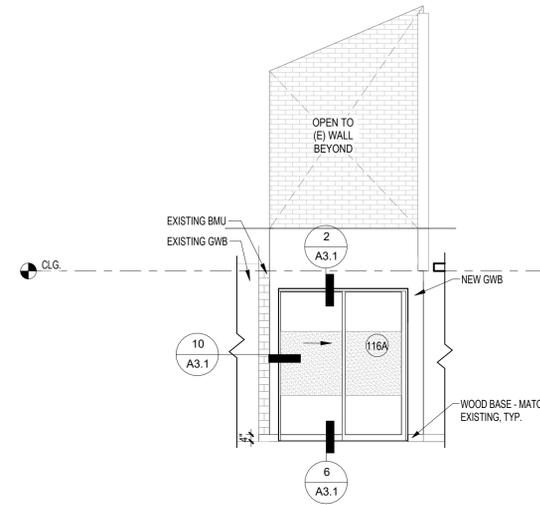
6 101 WORK AREA - EAST
Scale: 1/4" = 1'-0"

11 101 WORK AREA - SOUTH
Scale: 1/4" = 1'-0"

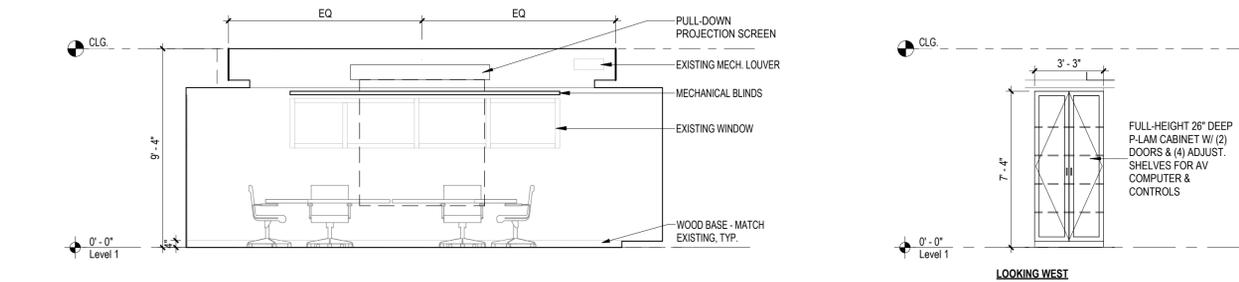
7 101 WORK AREA - WEST
Scale: 1/4" = 1'-0"



4 109 RECEPTION DESK
Scale: 1/4" = 1'-0"

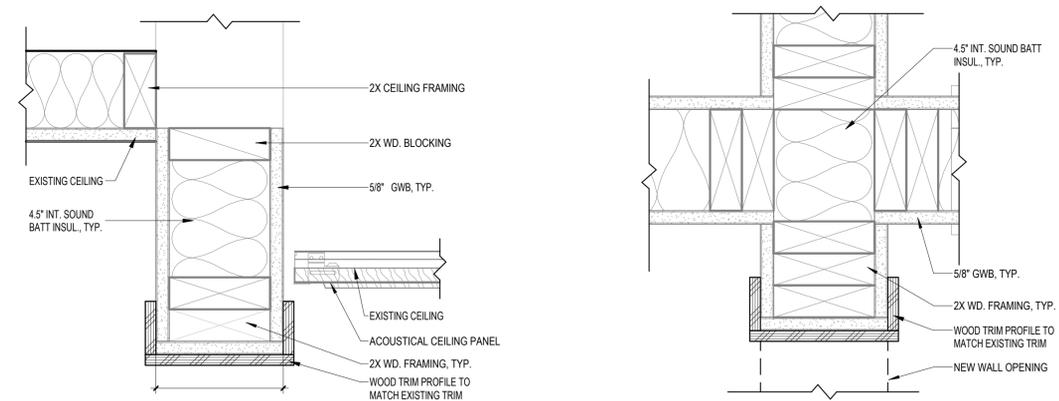


2 116 OFFICE SLIDING DOOR
Scale: 1/4" = 1'-0"



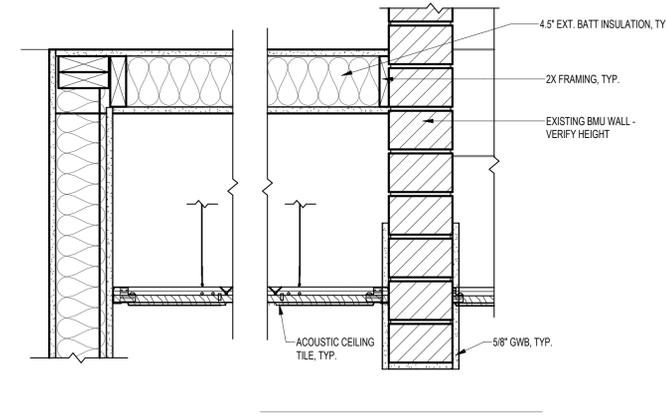
12 117 COUNCIL ROOM - SOUTH
Scale: 1/4" = 1'-0"

9 FULL HEIGHT AV CABINET
Scale: 1/4" = 1'-0"

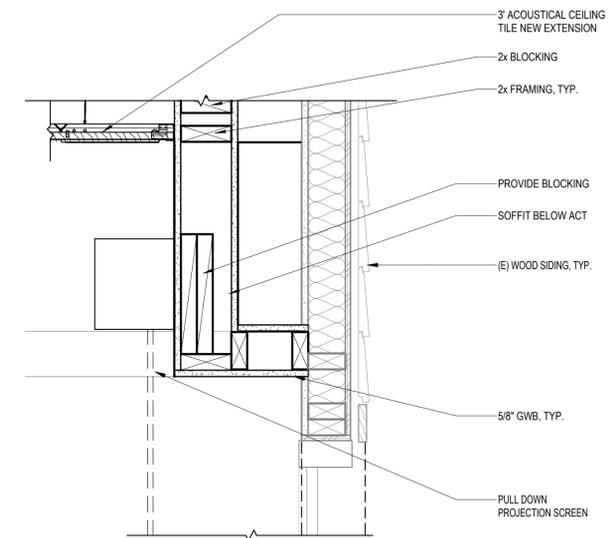


14 NEW WALL OPENING - HEAD
Scale: 3" = 1'-0"

13 NEW WALL OPENING - JAMB
Scale: 3" = 1'-0"



8 REVERSE SOFFIT
Scale: 1 1/2" = 1'-0"



1 COUNCIL ROOM 117 - SOUTH WALL SECTION
Scale: 1 1/2" = 1'-0"

BID SET

No.	Description	Date:

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CITY OF CLYDE HILL
9605 NE 24th St, Clyde Hill, WA 98004

Sheet Title:

INTERIOR ELEVATIONS & INTERIOR DETAILS

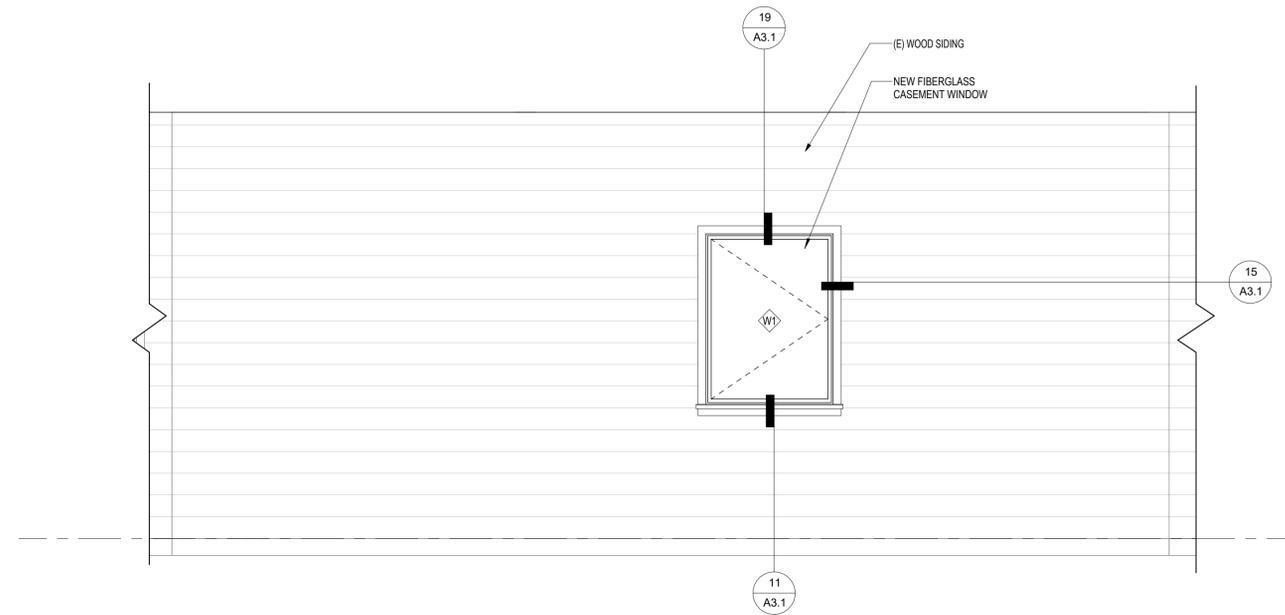
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Project No.: 16-32

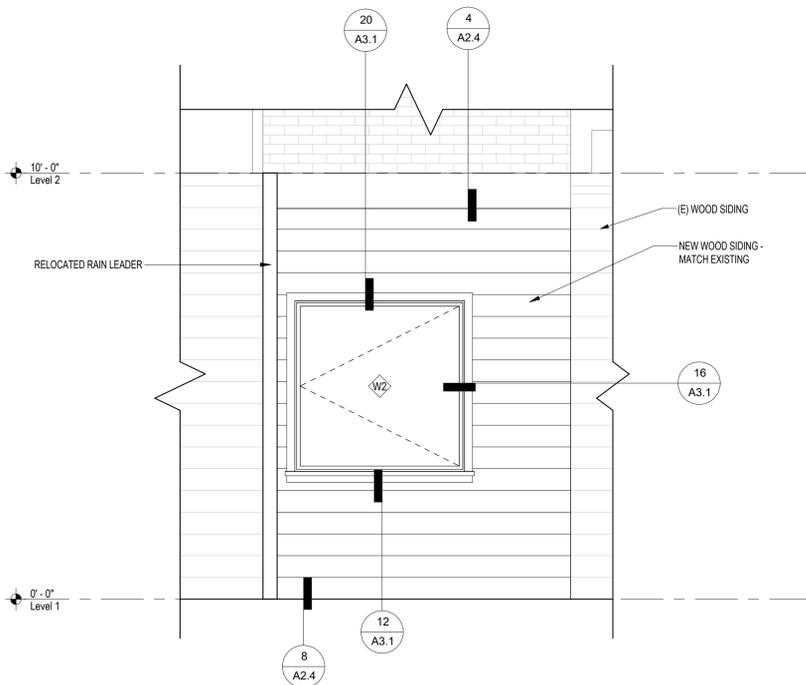
Date: 10/31/2022

Sheet Number:

A2.3



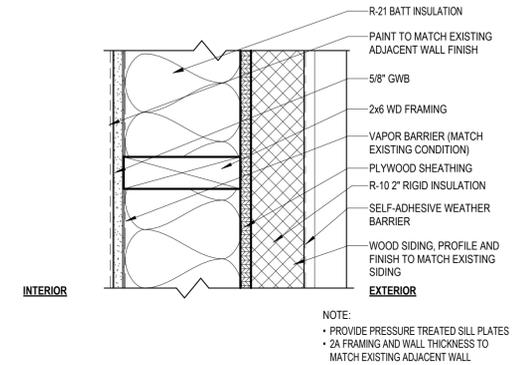
18 OFFICE 101 EXTERIOR ELEVATION - NORTH
Scale: 1/2" = 1'-0"



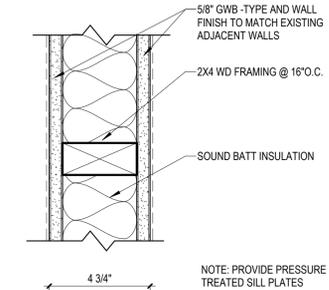
20 OFFICE 116 EXTERIOR WALL - SOUTH
Scale: 1/2" = 1'-0"

- WALL TYPE NOTES**
1. WALL TYPES ARE KEYED ON FLOOR PLAN 2/A2.2.
 2. PROVIDE FIRE BLOCKING AS REQUIRED PER I.B.C. SEC. 718.2. PROVIDE FIRE BLOCKING AT DOUBLE STUD WALLS VERTICALLY AT CEILING AND FLOOR LEVELS AND HORIZONTALLY AT 10'-0" MAX.
 3. OMIT GWB AT CAVITY SIDE OF WALL WHERE OCCURS.
 4. SEE DOOR SCHEDULE ON SHEET A3.2 FOR CONDITIONS AT DOORS.
 5. SEE ARCH. INT. ELEVATIONS ON SHEETS A2.3 AND ARCH. BLDG. SECTION ON SHEET A2.2 FOR EXTENT OF INTERIOR WALL FINISHES.
 6. SEE ARCH. EXT. ELEVATIONS ON SHEET A2.4 AND ARCH. BLDG. SECTION ON SHEET A2.2 FOR EXTENT OF EXTERIOR WALL FINISHES.
 7. SEE FINISH SCHEDULE FOR ADDITIONAL GWB INFORMATION.

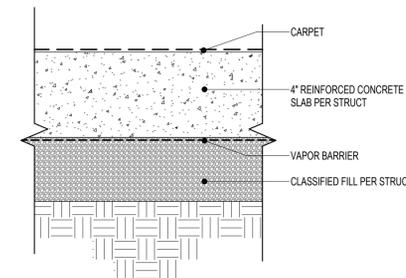
- WALL TYPE LEGEND**
- **SOUND WALL:** PROVIDE SOUND BATT EXTENDED TO UNDERSIDE OF CEILING AND/ OR ROOF INSULATION ABOVE.
 - **THERMAL WALL:** PROVIDE R-21 INSUL. AND V.B. EXTENDED (W/ GWB) TO UNDERSIDE OF FLOOR AND/ OR ROOF ASSEMBLY.
 - **SHEAR WALL:** PROVIDE 1/2" PLYWOOD SHEATHING ON ONE OR BOTH SIDES OF THE WALL PER STRUCTURAL DRAWING.



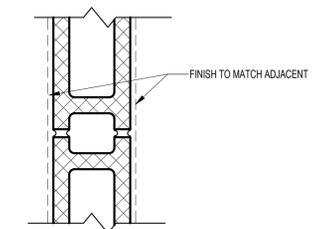
1 EXTERIOR WALL



2 INTERIOR WALL 2X4

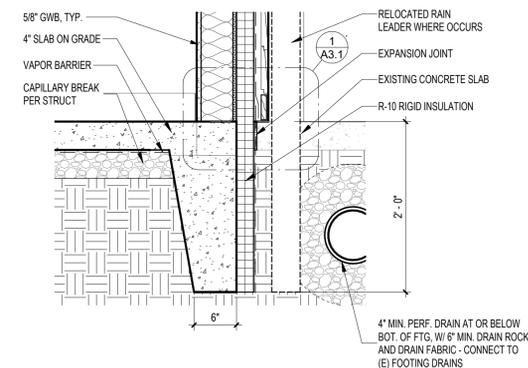


S1 SLAB ON GRADE - 6" NEW



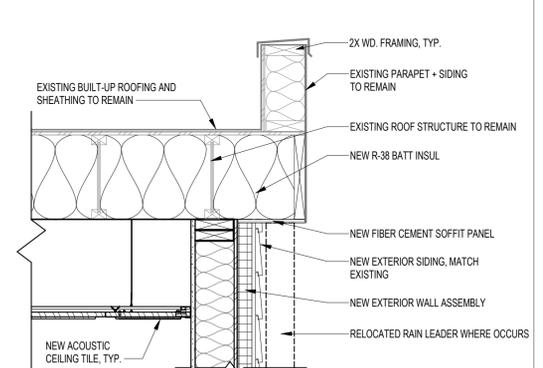
3 INTERIOR REINFORCED CMU WALL

FLOOR TYPES
Scale: 3" = 1'-0"



8 CONCRETE FOOTING DETAIL
Scale: 1" = 1'-0"

WALL TYPES LEGEND
Scale: 3" = 1'-0"



4 ROOF DETAIL
Scale: 1" = 1'-0"

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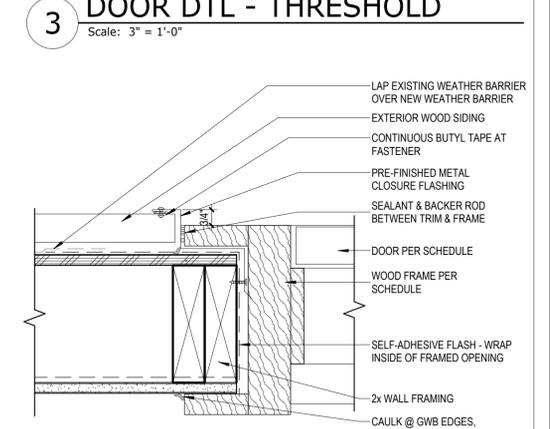
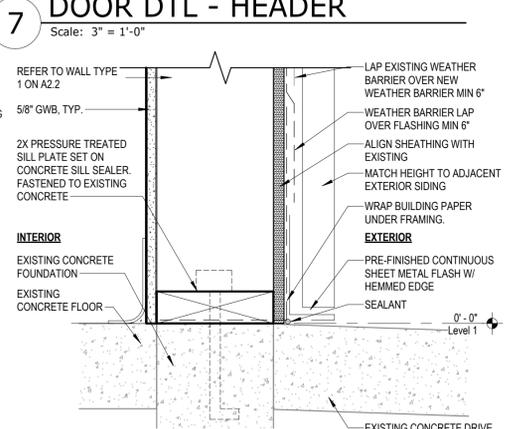
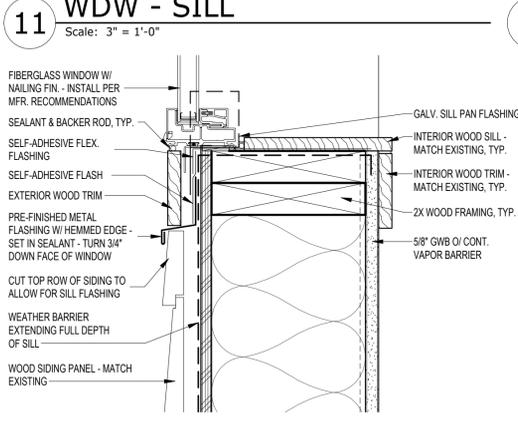
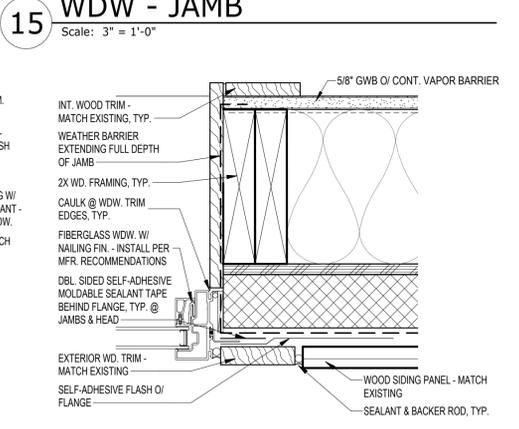
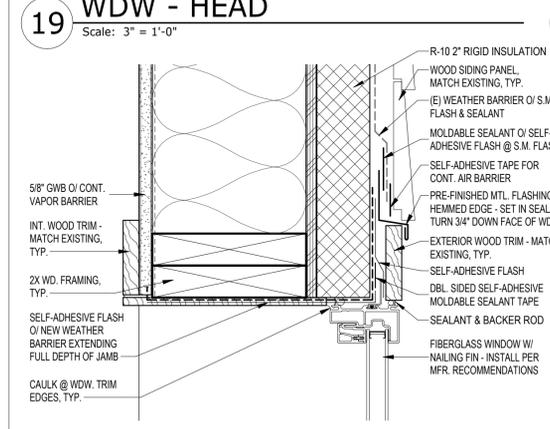
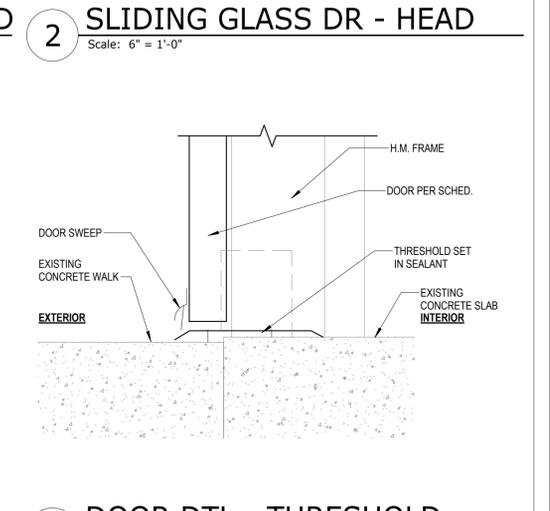
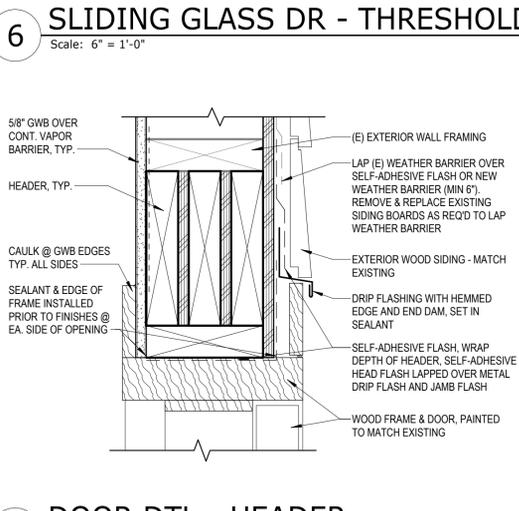
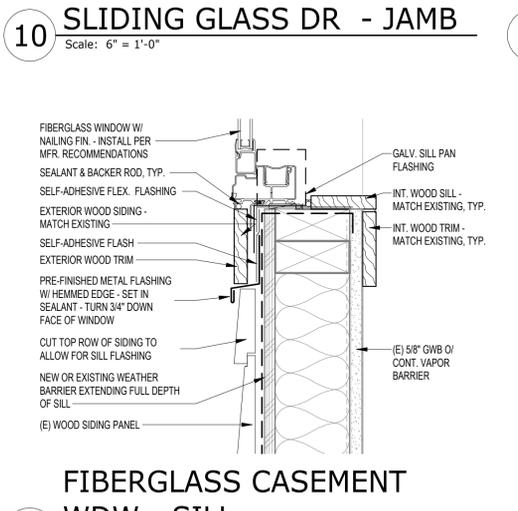
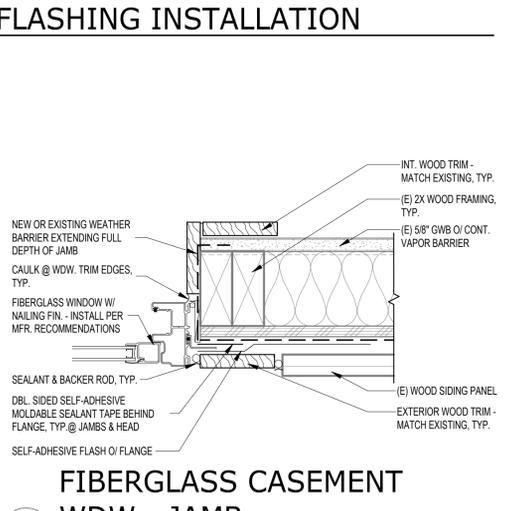
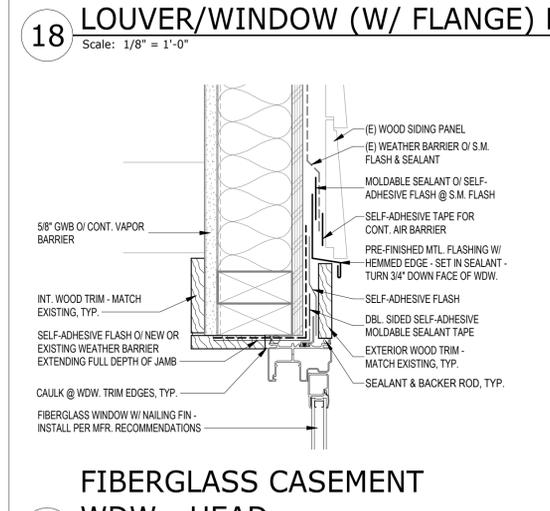
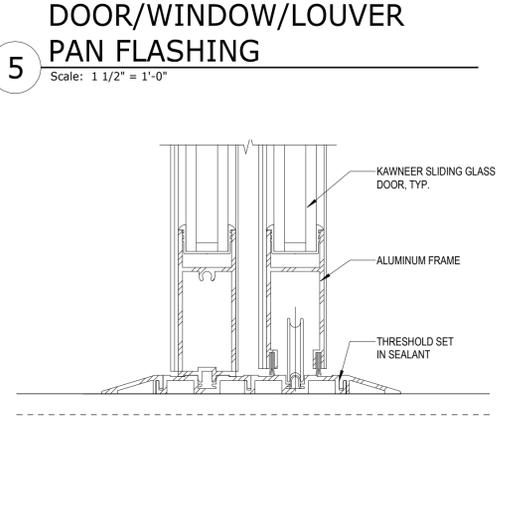
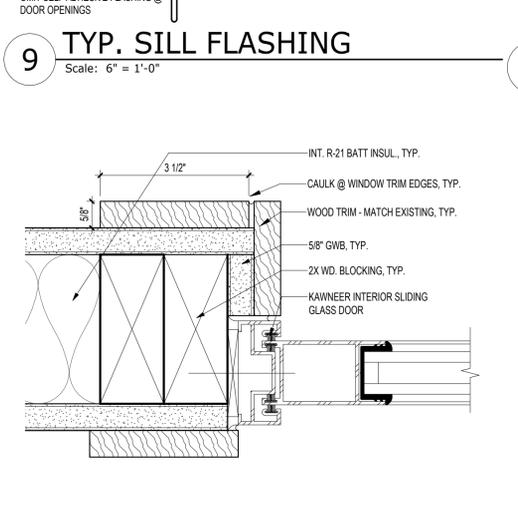
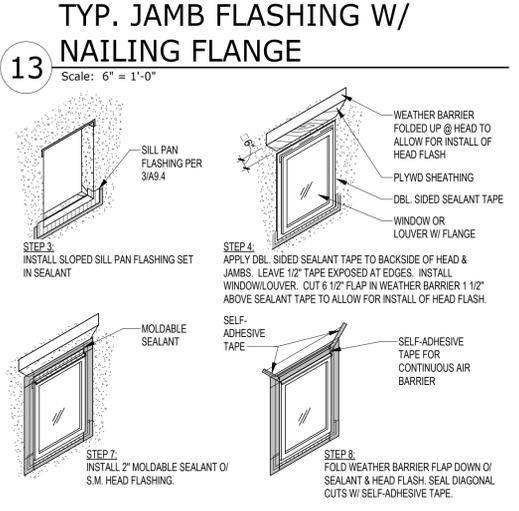
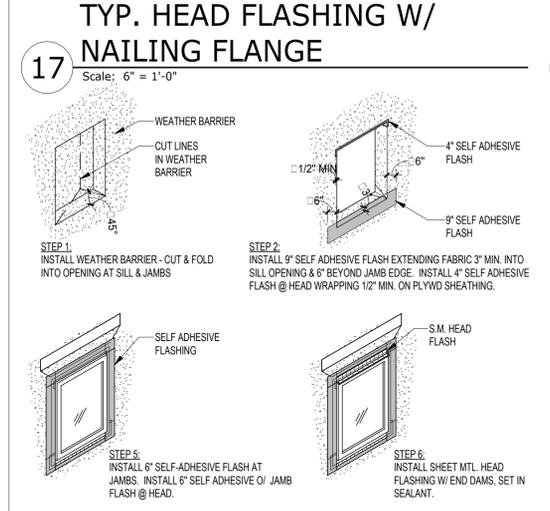
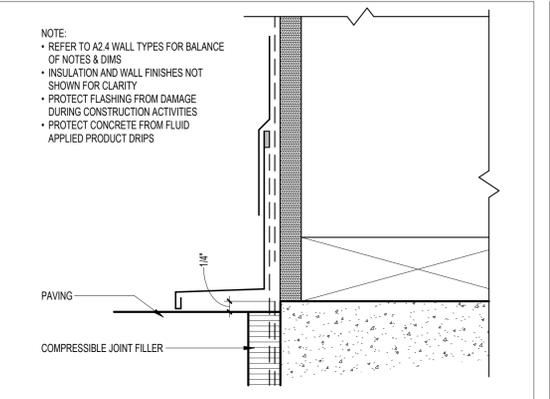
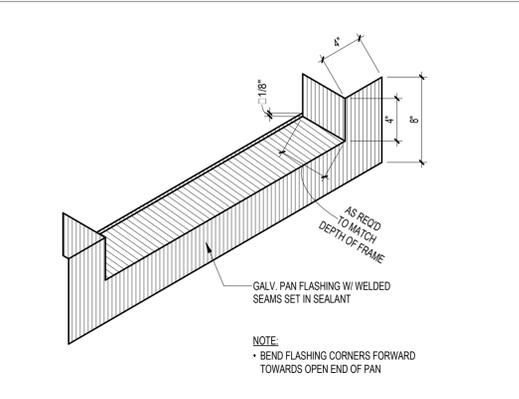
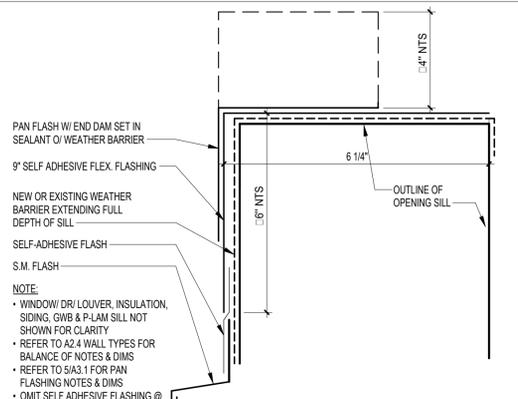
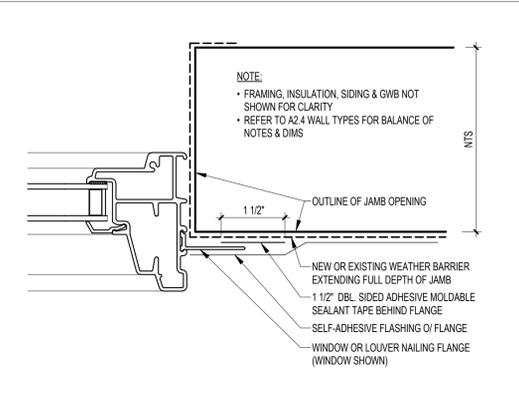
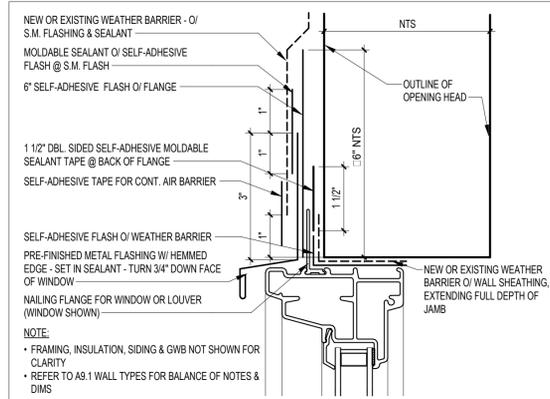
WALL TYPES/FLOOR TYPES/EXTERIOR DETAILS

Scale: As indicated

Project No.: 16-32

Date: 10/31/2022

Sheet Number:



BID SET

No.	Description	Date:

Project Title: **City Hall Expansion and Remodel**
CITY OF CLYDE HILL
9605 NE 24th St., Clyde Hill, WA 98004

Sheet Title: **FRAME TYPES/DOOR TYPES/DOOR DETAILS/WDW DETAILS**
Scale: As indicated
Project No.: 16-32
Date: 10/31/2022
Sheet Number:

FINISH SCHEDULE													
NUMBER	ROOM NAME	FLOOR		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING MATERIAL	REMARKS
		TYPE	BASE	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH		
101	OFFICE	CPT	WD	EXST	EXST	CMU/EXST	PT	EXST	EXST	EXST	EXST	GWB	
107	STORAGE	EXST	EXST	EXST	EXST	CMU/EXST	PT	EXST	EXST	CMU/EXST	PT	EXST	
109	RECEPTION	CPT	WD	GWB	PT	GWB	PT	GWB	PT	GWB	PT	ACT	
111	WORK AREA	CPT	WD	GWB	PT	GWB	PT	GWB	PT	GWB	PT	ACT	
116	OFFICE	CPT	WD	GWB	PT	GWB/BRK	PT/FF	GWB	PT	GWB/BRK	PT/FF	ACT	
117	COUNCIL ROOM	CPT	WD	GWB	PT	GWB	PT	GWB	PT	GWB	PT	ACT	
120	COUNCIL CHAMBERS	CPT	WD	-	-	-	-	-	-	-	-	-	

DOOR SCHEDULE																	
ROOM NAME	DOOR NUM.	WIDTH	HEIGHT	THICKNESS	DOOR				FRAME								REMARKS
					TYPE	MTRL	FIN	GLAZ	TYPE	MTRL	FIN	GLAZ	HEAD	JAMB	THRESH		
OFFICE	101A	3'-0"	7'-0"	1 3/4"	A	WD	STAIN	(T/I)	1	WD	STAIN	-	1/A3.1	2/A3.1	3/A3.1	-	
OFFICE	102A	3'-0"	7'-0"	1 3/4"	A	WD	STAIN	(T/I)	1	WD	STAIN	-	1/A3.1	2/A3.1	3/A3.1	-	
LOBBY	116A	6'-0 13/16"	7'-2"	1 1/2"													

FINISH SCHEDULE KEY

FLOOR	WALL/ WAINSCOT	CEILING
CPT CARPET	GB GYPSUM WALL BD.	GWB GYPSUM WALL BD.
EXST EXISTING	BRK BRICK MASONRY UNIT	ACT SUSPENDED 2x4 ACOUSTIC CEILING TILE
CPT CARPET		EXST EXISTING
BASE		FINISHES
WD WOOD BASE		PT PAINT
		FF FACTORY FINISH

FINISH SCHEDULE GENERAL NOTES:

- SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS

DOOR SCHEDULE KEY

DOOR & FRAME DESIGNATIONS		GLAZING DESIGNATIONS		HARDWARE LEGEND	
WD	SOLID CORE WOOD	T	TEMPERED	PS	PASSAGE SET
HM	HOLLOW METAL	I	INSULATED	MFR	PER MANUFACTURER
SF	STOREFRONT	F	FIRE RATED		
MTL	METAL				
STL	STEEL				
ALUM	ALUMINUM				
SV	SEALED VARNISH				
FAC	FACTORY FINISH				
PAINT	PAINTED				

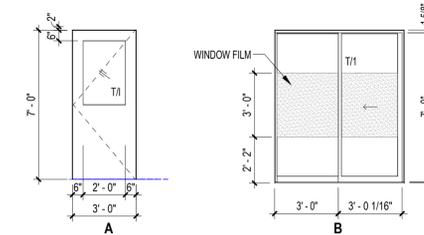
DOOR SCHEDULE GENERAL NOTES:

- GROUT ALL FRAMES SOLID
- REFER TO PROJECT MANUAL FOR HARDWARE SPECIFICATIONS AND SCHEDULE
- SEE HARDWARE SCHEDULE FOR LOCATIONS OF CLOSURES
- SEE DOOR TYPES FOR TINTED GLASS NOTES

GLAZING GENERAL NOTES:

- CONTRACTOR TO VERIFY ALL WINDOW DIMENSIONS PRIOR TO FABRICATION
- LOW-E COATING SHALL NOT BE LOCATED ON THE EXTERIOR SURFACES

- NOTES:
1. DOOR FINISHES & HARDWARE TO MATCH EXISTING FACILITY STANDARDS



INTERIOR FINISH SELECTIONS

KEY NOTE	MATERIAL	BASIS OF BID		
		MANUFACTURER	PRODUCT LINE	COLOR NAME / NUMBER
FLOOR				
CPT	CARPET	EF CONTRACT FLOORING	LINE	LINE 12 FINE POINT
BASE				
WD	WOOD BASE TO MATCH EXISTING BASE			
WALLS				
PT-1	WALL PAINT COLOR 1	SHERWIN-WILLIAMS		SW 7043 WORLDY GRAY
PT-2	WALL PAINT COLOR 2	SHERWIN-WILLIAMS		SW 7504 KEYSTONE GRAY
CEILING				
PT 03	CEILING PAINT	SHERWIN-WILLIAMS		SW 7004 SNOWBOUND
APC-1	ACOUSTIC CEILING PANEL	ARMSTRONG	ASTRO CLIMAPLUS	
CASEWORK				
P-LAM 01	PEPPERDUST - COUNTERTOP WORK AREA	WILSONART	STANDARD LAMINATE	PEPPERDUST
P-LAM 02	P-LAM WORK SURFACE WORK AREA UPPER & BASE CABINETS, RECEPTION DESK BASE CABINETS	WILSONART	PREMIUM LAMINATE	ASIAN SAND
P-LAM 03	WINDOW SILLS - MATCH EXISTING	WILSONART		TBD
SOLID SURFACE 01	SOLID SURFACE COUNTER, RECEPTION	WILSONART	SOLID SURFACE	ANTIQUE WHITE
SOLID SURFACE 01	SOLID SURFACE COUNTER, RECEPTION, ADA	WILSONART	SOLID SURFACE	ANTIQUE WHITE
MISC				
WD DOORS	WOOD DOORS			TBD
BLINDS	HORIZONTAL LOUVER BLINDS			TBD
BLINDS	BLACKOUT BLINDS MANUAL			TBD

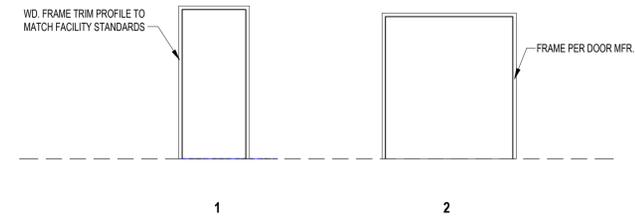
EXTERIOR FINISH SELECTIONS

KEY NOTE	MATERIAL	BASIS OF BID		
		MANUFACTURER	PRODUCT LINE	COLOR NAME / NUMBER
EXTERIOR MATERIALS				
	MTL PARAPET (AT EXISTING BRICK WALLS)			TBD
PAINT				
	PAINT - AWNING, COLUMNS, OVERHEAD DOOR JAMB MTL, HM DOORS AND FRAMES, TRASH ENCLOSURE	SHERWIN-WILLIAMS		TBD
MISC				
WINDOWS	FIBERGLASS WINDOWS	ALPEN		TBD
WINDOW TRIM	WOOD TRIM - MATCH EXISTING			TBD
DOWNSPOUT & SCUPPER	DOWNSPOUTS AND SCUPPERS			TBD

DOOR TYPE LEGEND

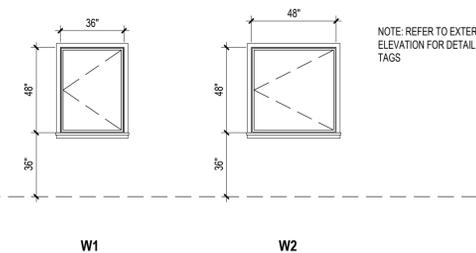
Scale: 1/4" = 1'-0"

- NOTES:
1. DOOR FINISHES AND HARDWARE TO MATCH EXISTING FACILITY STANDARDS



DOOR FRAME TYPE LEGEND

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



WINDOW TYPE LEGEND

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

BID SET

No.	Description	Date:

Project Title:

City Hall Expansion and Remodel

CITY OF CLYDE HILL
9605 NE 24th St, Clyde Hill, WA 98004

Sheet Title:

SCHEDULES AND LEGENDS

Scale: As indicated

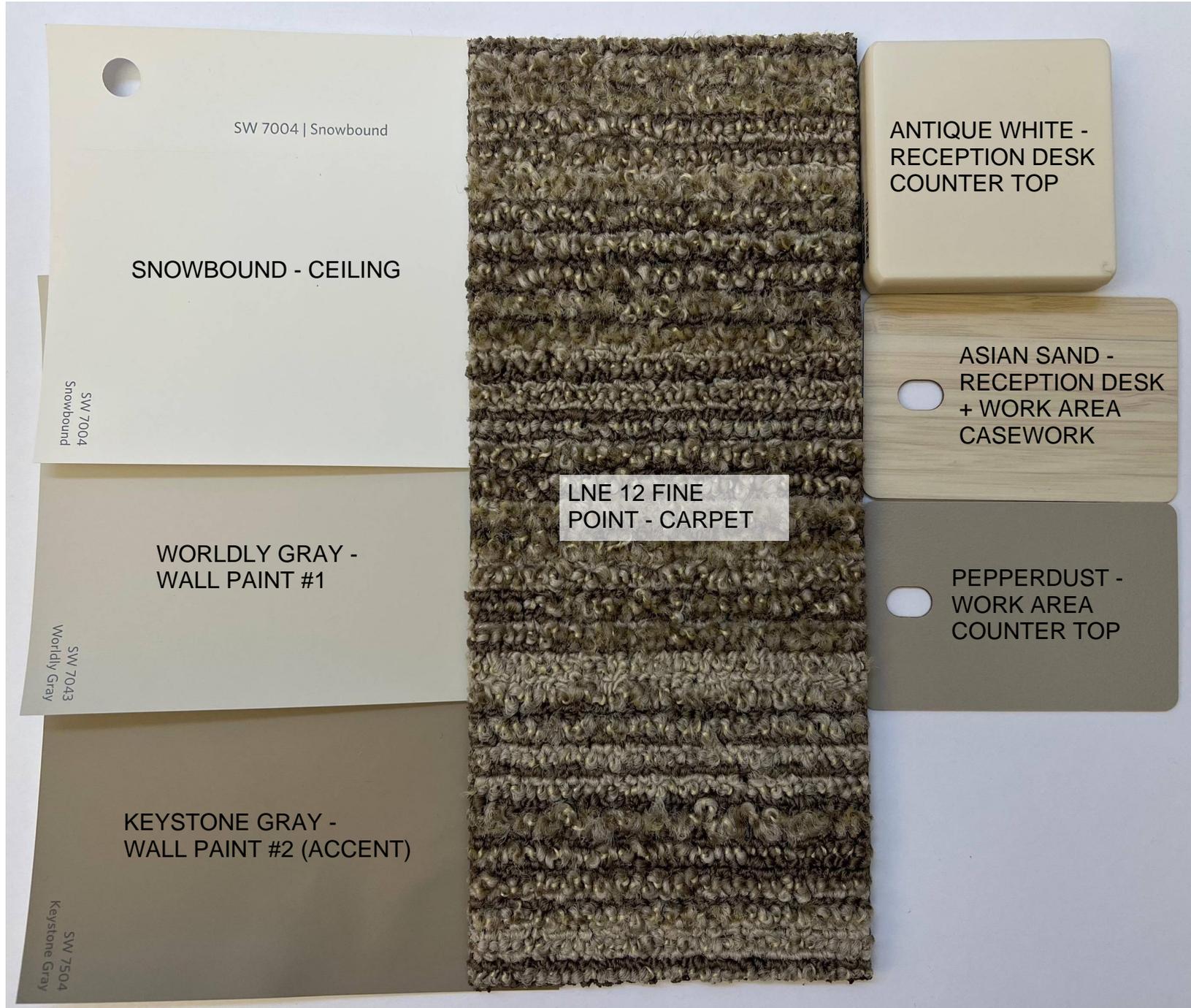
Project No.: 16-32

Date: 10/31/2022

Sheet Number:

A3.2

Interior Selections



ARCHITECTURAL SPECIFICATIONS

DIVISION 01 - GENERAL REQUIREMENTS

01 00 00 SUMMARY

- A. REFERENCE PROJECT DATA ON TITLE SHEET A2.1 OF THE CONSTRUCTION DOCUMENTS FOR A GENERAL PROJECT SUMMARY.
- B. REFERENCE GENERAL PROJECT NOTES ON TITLE SHEET A2.1 OF THE CONSTRUCTION DOCUMENTS.
1. DEFERRED, DELEGATED DESIGNED SUBMITTALS
- C. USE OF FACILITIES: CONTRACTOR WILL HAVE LIMITED USE OF FACILITIES LIMITED TO AREAS OF WORK AS DEFINED ON APPROVED CONTRACTORS PHASING PLANS.
- D. OWNER OCCUPANCY: ALLOW FOR OWNER OCCUPANCY OF PROJECT SITE THROUGHOUT CONSTRUCTION PROCESS. COOPERATE WITH OWNER DURING CONSTRUCTION OPERATIONS TO MINIMIZE CONFLICTS AND FACILITATE OWNER USAGE.
1. MAINTAIN ACCESS TO WALKWAYS, DRIVEWAYS, PARKING, ENTRANCES, ETC. AS REQUIRED BY OWNER FOR CONTINUAL OPERATIONS.
2. MAINTAIN WEATHER TIGHT CONDITION THROUGHOUT CONSTRUCTION PERIOD.
3. PROVIDE PROTECTION FOR OCCUPANTS THROUGHOUT CONSTRUCTION PERIOD.
4. REPAIR DAMAGE TO EXISTING FACILITIES THAT ARE DAMAGED DUE TO CONSTRUCTION ACTIVITIES.
5. OWNER RESERVES THE RIGHT TO USE AREAS OF CONSTRUCTION AFTER SUBSTANTIAL COMPLETION. SUBSTANTIAL COMPLETION SHALL BE DEFINED BY MEETING THE REQUIREMENTS OF OCCUPANCY BY THE GOVERNING OFFICIALS AND CONTRACTOR HAS SUBMITTED A SUBSTANTIAL COMPLETION PUNCHLIST APPROVED BY THE OWNER OR PROJECT MANAGER.
6. WORK IN THE COUNCIL CHAMBER SHALL BE SEQUENCED TO MAINTAIN IT'S USE FOR REGULARLY SCHEDULED PUBLIC MEETINGS SUCH AS CITY COUNCIL, BUDGET COMMITTEE, OR COUNCIL STUDY SESSIONS. THESE MEETINGS ARE GENERALLY HELD ON THE 2ND AND 4TH TUESDAY'S OF EACH MONTH. CONTRACTOR TO VERIFY MEETING SCHEDULE WITH THE CITY PRIOR TO START OF CONSTRUCTION.

01 31 00 PROJECT MANAGEMENT AND COORDINATION

- A. REFERENCE GENERAL PROJECT NOTES ON TITLE SHEET A2.1 OF THE CONSTRUCTION DOCUMENTS.
- B. MAINTAIN CONSTRUCTION SCHEDULE TO BE REVIEWED BY OWNER AND/OR PROJECT MANAGER AT PROGRESS MEETINGS.
- C. COORDINATE PROJECT MEETINGS AS REQUIRED.
1. AS REQUESTED BY THE OWNER.
2. PROGRESS MEETINGS
3. PRECONSTRUCTION MEETINGS
- a. PHASING MEETING
- b. ELECTRICAL
- c. HVAC AND PLUMBING
- d. CONCRETE PLACING AND FINISHING
- e. ACP CEILING
- f. FRAMING
- g. PAINTING
- h. FLOORING
- i. HARDWARE

01 32 00 CONSTRUCTION PROGRESS DOCUMENTATION

- A. REFERENCE GENERAL PROJECT NOTES ON TITLE SHEET A2.1 OF THE CONSTRUCTION DOCUMENTS.
- B. MAINTAIN ELECTRONIC COPIES OF DAILY REPORTS TO BE REVIEWED AT PROGRESS MEETINGS OR AT THE REQUEST OF OWNER OR PROJECT MANAGER.
- C. PROVIDE DIGITAL PHOTOGRAPHS OF EXISTING CONDITIONS OF AREAS OF WORK PRIOR TO DEMOLITION.
1. PHOTOGRAPH ALL AREAS OF DISCREPANCY FOR REVIEW BY OWNER AND PROJECT MANAGER
- D. MAINTAIN A CLEAN SET OF AS-BUILT DRAWINGS ON SITE DOCUMENTING:
1. SLAB AND CURB ELEVATIONS
2. ANY AUTHORIZED CHANGES MADE TO DOCUMENTS.
3. ALL REVISED CURT ROUTING
4. ALL REVISED PLUMBING ROUTING
5. ALL REVISED CONDUIT ROUTING

01 50 00 TEMPORARY FACILITIES

- A. PROVIDE AND MAINTAIN TEMPORARY FACILITIES AS PART OF THE CONTRACT, FOR USE BY ALL CONSTRUCTION PERSONNEL AND OTHER ENTITIES ASSOCIATED WITH THIS PROJECT.
1. CONSTRUCTION FENCING AND BARRICADES
2. SECURITY AND CONSTRUCTION SIGNAGE
3. TRAFFIC SIGNALS AS REQUIRED
4. DRINKING WATER FIXTURES
5. FIELD OFFICE
6. STORAGE SHED/FACILITIES AS REQUIRED FOR EQUIPMENT AND MATERIAL STORAGE
7. PORTABLE UL LISTED FIRE EXTINGUISHERS
8. SELF-CONTAINED TOILET UNITS
9. TEMPORARY HVAC EQUIPMENT
10. TRAFFIC CONTROLS
11. TEMPORARY PARKING
12. WASTE DISPOSAL FACILITIES
13. LIFTS AND HOISTS
14. TEMPORARY STAIRS
- B. COORDINATION: ARRANGE SELECTIVE DEMOLITION SCHEDULE SO AS NOT TO INTERFERE WITH OWNER'S OPERATIONS.
- C. PROPOSED PROTECTION MEASURES: SUBMIT REPORT, INCLUDING DRAWINGS, THAT INDICATE THE MEASURES PROPOSED FOR PROTECTING INDIVIDUALS AND PROPERTY FROM DAMAGE, INJURY AND, FOR DUST CONTROL AND, FOR NOISE CONTROL. INDICATE PROPOSED LOCATIONS AND CONSTRUCTION OF BARRIERS.

01 73 00 EXECUTION

- A. REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS: IMMEDIATELY ON DISCOVERY OF THE NEED FOR CLARIFICATION OF CONTRACT DOCUMENTS, SUBMIT A REQUEST FOR INFORMATION TO ARCHITECT. INCLUDE A DETAILED DESCRIPTION OF PROBLEM ENCOUNTERED, TOGETHER WITH RECOMMENDATIONS FOR CHANGING THE CONTRACT DOCUMENTS.
- B. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PRE-PLAN FOR CONSTRUCTION STAGING, ACCESS, SITE MAINTENANCE AND COMPLIANCE WITH APPLICABLE CODES, LAWS AND LOCAL GOVERNING JURISDICTIONS FOR WORKING AT AN ON THE SITE.
- C. PRIOR TO BEGINNING ANY STAGE OF WORK, EXAMINE SUBSTRATES, AREAS, AND CONDITIONS, WITH INSTALLER OR APPLICATOR PRESENT WHERE INDICATED, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE. RECORD OBSERVATIONS.
- D. EXISTING UTILITY INTERRUPTIONS: DO NOT INTERRUPT UTILITIES SERVING FACILITIES OCCUPIED BY OWNER OR OTHERS UNLESS PERMITTED UNDER THE FOLLOWING CONDITIONS AND THEN ONLY AFTER ARRANGING TO PROVIDE TEMPORARY UTILITY SERVICES ACCORDING TO REQUIREMENTS INDICATED.
- E. FIELD MEASUREMENTS: TAKE FIELD MEASUREMENTS AS REQUIRED TO FIT THE WORK PROPERLY. RECHECK MEASUREMENTS BEFORE INSTALLING EACH PRODUCT. COORDINATE FABRICATION SCHEDULE WITH CONSTRUCTION PROGRESS TO AVOID DELAYING THE WORK.
- F. SPACE REQUIREMENTS: VERIFY SPACE REQUIREMENTS AND DIMENSIONS OF ITEMS SHOWN DIAGRAMMATICALLY ON DRAWINGS.
- G. INSTALLATION:
1. INSTALL ALL COMPONENTS REQUIRED FOR COMPLETE AND FULL INTENDED OPERATION OF EQUIPMENT, DEVICES, HARDWARE, APPLIANCES, CABINETRY, ETC.
2. GENERAL: LOCATE THE WORK AND COMPONENTS OF THE WORK ACCURATELY, IN CORRECT ALIGNMENT AND ELEVATION, AS INDICATED.
3. CONCEAL PIPES, DUCTS, AND WIRING IN FINISHED AREAS, UNLESS OTHERWISE DIRECTED IN WRITING BY ARCHITECT.
4. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS FOR INSTALLING PRODUCTS IN APPLICATIONS INDICATED.
5. INSTALL PRODUCTS AT THE TIME AND UNDER CONDITIONS THAT WILL ENSURE THE BEST POSSIBLE RESULTS. MAINTAIN CONDITIONS REQUIRED FOR PRODUCT PERFORMANCE UNTIL SUBSTANTIAL COMPLETION.
6. CONDUCT CONSTRUCTION OPERATIONS SO NO PART OF THE WORK IS SUBJECTED TO DAMAGING OPERATIONS OR LOADS IN EXCESS OF THAT EXPECTED DURING NORMAL CONDITIONS OF OCCUPANCY.
7. TOOLS AND EQUIPMENT: DO NOT USE TOOLS OR EQUIPMENT THAT PRODUCE HARMFUL NOISE LEVELS.
8. ANCHORS AND FASTENERS: PROVIDE ANCHORS AND FASTENERS AS REQUIRED TO ANCHOR EACH COMPONENT SECURELY IN PLACE, ACCURATELY LOCATED AND ALIGNED WITH OTHER PORTIONS OF THE WORK.
- a. WHERE MOUNTING HEIGHTS ARE NOT INDICATED, MOUNT COMPONENTS AT HEIGHTS DIRECTED BY ARCHITECT.
9. OWNER INSTALLED PRODUCTS: COORDINATE CONSTRUCTION AND OPERATIONS OF THE WORK WITH WORK PERFORMED BY OWNER'S CONSTRUCTION FORCES.
- H. MAINTAIN GENERAL CLEANING FREE OF DEBRIS, SPILLS, WASTE MATERIALS, AND HAZARDOUS WASTE PRODUCTS DURING CONSTRUCTION PROCESS. CONTROL DUST FROM ENTERING OCCUPIED SPACES.
- I. WASTE DISPOSAL: PER WASTE MANAGEMENT PLAN. BURNING OR BURYING OF CONSTRUCTION WASTE IS NOT PERMITTED.
- J. PROTECT INSTALLED FINISHED WORK FROM DAMAGE THROUGH FINAL COMPLETION OR UNTIL OWNER'S OCCUPANCY.
- K. TEST EACH PIECE OF EQUIPMENT FOR PROPER OPERATION.
- L. REMOVE AND REPLACE DEFECTIVE OR POORLY INSTALLED WORK AS IT OCCURS PER 01 73 29 "CUTTING AND PATCHING" REQUIREMENTS.

01 73 29 CUTTING AND PATCHING:

- A. DO NOT CUT EQUIPMENT OR STRUCTURAL ELEMENTS IN A MANNER THAT CHANGES THEIR PERFORMANCE FOR ITS INTENDED USE, OR DEGRADE ITS LIFE OR SAFETY.
- B. PROVIDE 2-WEEKS NOTICE FOR ANY INTERRUPTED SERVICES DUE TO CUTTING AND PATCHING PROCEDURES. NOTIFY LOCAL UTILITIES AS REQUIRED AND NECESSARY OF INTENDED CUTTING AND PATCHING OPERATIONS.
- C. DO NOT CUT AND PATCH IN A MANNER THAT SHOWS VISUAL EVIDENCE OF CUTTING AND PATCHING OR OTHERWISE DIMINISHES THE AESTHETIC QUALITIES OF THE FINISHES AS DETERMINED BY THE OWNER OR ARCHITECT.
- D. VERIFY COMPATIBILITY OF PATCHING MATERIALS AND SUBSTRATES.
- E. MATCH ADJACENT MATERIALS AND FINISHES FOR A SEAMLESS TRANSITION.

01 74 19 CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL

- A. DEVELOP PLAN CONSISTING OF WASTE IDENTIFICATION AND WASTE REDUCTION WORK PLAN. INCLUDE SEPARATE SECTIONS IN PLAN, FOR DEMOLITION AND CONSTRUCTION WASTE.
- B. SALVAGE AND RECYCLE AS MUCH NONHAZARDOUS DEMOLITION AND CONSTRUCTION WASTE AS POSSIBLE.
- C. MAINTAIN RECORDS OF SALES, DONATIONS, RECYCLING AND LANDFILL DISPOSAL FOR INCLUSION IN CONTRACT CLOSEOUT DOCUMENTS.
1. SALE OR DONATION OF APPROVED ITEMS IS NOT ALLOWED ON PROJECT SITE.
- D. BURNING OR BURYING OF WASTE MATERIALS IS NOT ALLOWED.

01 77 00 CONTRACT CLOSEOUT - FINAL CLEANING - FINAL COMPLETION

- A. THE GENERAL CLEANING IS REQUIRED DURING CONSTRUCTION.
- B. CLEANING: EMPLOY EXPERIENCED WORKERS OR PROFESSIONAL CLEANERS FOR FINAL CLEANING. CLEAN EACH SURFACE OR UNIT TO THE CONDITION EXPECTED IN A NORMAL COMMERCIAL BUILDING CLEANING AND MAINTENANCE PROGRAM. COMPLY WITH MANUFACTURER'S INSTRUCTIONS.
- C. CLOSEOUT DOCUMENTS:
1. PROVIDE (2) SETS EACH (UNLESS OTHERWISE NOTED)
- a. CLEAN AS-BUILT DRAWINGS DRAFTED IN A CLEAR, LEGIBLE FORMAT
- b. PRODUCT AND WARRANTY INFORMATION
- c. OPERATION AND MAINTENANCE MANUALS
- d. COMMISSIONING REPORT
- e. TESTING AND BALANCING
- f. PROVIDE (1) COMPLETE SET OF ALL DOCUMENTS LISTED ABOVE ON COMPACT DISKS.
2. FINAL CHANGE ORDER
3. FINAL PAY APPLICATION
4. SPECIAL INSPECTIONS REPORTS AND TESTING RECORDS
5. WASTE MANAGEMENT RECORDS
6. IF HAZARDOUS WASTE IS FOUND AND DISPOSED OF, PROVIDE FINAL CLEANUP DOCUMENTS
- D. FINAL COMPLETION:
1. ALL CONTRACTORS AND ARCHITECTS PUNCHLIST ITEMS ARE COMPLETED.
2. TURNOVER ALL CLOSEOUT DOCUMENTS

DIVISION 02 - EXISTING CONDITIONS

02 41 19 SELECTIVE DEMOLITION:

- A. COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING SELECTIVE DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
- B. REFER TO CUTTING AND PATCHING SECTION 01 73 29.
- C. PERFORM DEMOLITION ONLY AS REQUIRED TO COMPLETE WORK DESCRIBED IN PHASING PLAN
- D. REMOVE AND DISPOSE, SALVAGE, RECYCLE AS DESCRIBED IN APPROVED CONSTRUCTION WASTE MANAGEMENT PLAN.
1. ITEMS TO BE SALVAGED AND/OR RETAINED BY OWNER, ARE TO BE CAREFULLY REMOVED WITHOUT DAMAGE AND IMMEDIATELY TURNED OVER TO THE OWNER.
2. ITEMS OF INTEREST OR VALUE TO OWNER THAT MAY BE ENCOUNTERED DURING SELECTIVE DEMOLITION REMAIN OWNER'S PROPERTY.
- E. REMOVE TEMPORARY SHORING, BRACING, AND OTHER SUPPORTS AS REQUIRED TO PREVENT STRUCTURAL MOVEMENT, COLLAPSE OR OTHER FAILURE.
- F. DEMOLITION AND REMOVAL OF ASPHALT AND CONCRETE PAVING FOR RECYCLING
1. SAWCUT PERIMETER OF AREA TO BE DEMOLISHED IN CLEAN STRAIGHT LINES, THEN BREAK UP AND REMOVE.
- G. DEMOLITION AND REMOVAL OF BUILDING ELEMENTS FOR, SALVAGE, RECYCLING, DISPOSAL
- H. DISCONNECTING, CAPPING OR SEALING AND ABANDONING SITE UTILITIES IN PLACE.
- I. DEMOLITION & REMOVAL OF EXISTING SITE FENCING FOR INSTALLATION OF NEW SITE FENCING
- J. HAZARDOUS MATERIALS: IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED IN THE WORK.
1. IF SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY ARCHITECT AND OWNER. HAZARDOUS MATERIALS WILL BE REMOVED BY OWNER UNDER A SEPARATE CONTRACT.

DIVISION 03 - CONCRETE

03 30 00 CAST-IN-PLACE CONCRETE: SEE STRUCTURAL GENERAL NOTES AND DRAWINGS

- A. SLAB ON GRADE: PER STRUCTURAL PLANS AND DETAILS
1. SUBMIT CONSTRUCTION, CONTROL, AND EXPANSION JOINT LAYOUT PRIOR TO CONCRETE WORK PRE-INSTALLATION MEETING.
2. PROVIDE ASPHALTIC JOINT FILLER MATERIAL 1/2-INCH THICK BY 1/2-INCH BELOW CONCRETE SURFACE.
3. CONCRETE EXPANSION AND CONTROL JOINT SEALANT PER SECTION 07 92 00
- B. FOUNDATIONS: FOUR INCH WALLS AND FOOTINGS-NEW
1. BLOCK OUT DEPTH OF SLAB AT OPENINGS TO ALLOW FOR SLAB POUR THROUGH OPENINGS.
2. FINISH EXPOSED SURFACES TO MATCH ADJACENT AND EXISTING FINISHES
- C. SLABS ON GRADE FINISHING: NEW AND REPAIRED AND REFINISHED
1. HARD TROWEL (THREE (3) PASSES)-TYPICAL NEW SLABS
2. DENSIFIER/SEALER- ASHFORD FORMULA BY CURECRETE. SEALHARD BY L&M CONSTRUCTION CHEMICALS, INC.- NEW AND EXISTING INTERIOR SLABS.
- a. VERIFY COMPATIBILITY WITH FINISHES.
- D. LIGHT BROOM FINISH AT EXTERIOR SLABS - MATCH TEXTURE TO ADJACENT SIDEWALKS.

DIVISION 04 - MASONRY

04 20 00 CONCRETE UNIT MASONRY (CMUS): SEE STRUCTURAL GENERAL NOTES AND DRAWINGS

- A. PROVIDE UNIT MASONRY THAT DEVELOPS THE NET-AREA COMPRESSIVE STRENGTHS (F_m) AT 28 DAYS. DETERMINE COMPRESSIVE STRENGTH OF MASONRY BY TESTING MASONRY PRISMS ACCORDING TO ASTM C 1314.
1. CONCRETE UNIT TYPE: 8 INCHES NOMINAL, 7-3/8 INCHES ACTUAL
- B. MANUFACTURERS: NATURAL MATERIALS, OR EQUAL.
- C. MORTAR MATERIALS:
1. PORTLAND CEMENT: ASTM C 150, TYPE I OR I.E, EXCEPT TYPE III MAY BE USED FOR COLD-WEATHER CONSTRUCTION. PROVIDE NATURAL COLOR OR WHITE CEMENT AS REQUIRED TO PRODUCE MORTAR COLOR TO MATCH ADJACENT EXISTING MORTAR.
2. HYDRATED LIME: ASTM C 270, TYPE S
3. PORTLAND CEMENT-LIME MIX: PACKAGED BLEND OF PORTLAND CEMENT AND HYDRATED LIME CONTAINING NO OTHER INGREDIENTS.
4. MORTAR PIGMENTS: NATURAL AND SYNTHETIC IRON OXIDES AND CHROMIUM OXIDES, COMPOUNDED FOR USE IN MORTAR MIXES AND COMPLYING WITH ASTM C 979. USE ONLY PIGMENTS WITH A RECORD OF SATISFACTORY PERFORMANCE IN MASONRY MORTAR.
5. AGGREGATE FOR MORTAR: ASTM C 144
- a. COLOR-MORTAR AGGREGATES: NATURAL SAND OR CRUSHED STONE OF COLOR NECESSARY TO PRODUCE REQUIRED MORTAR COLOR.
- D. MASONRY CLEANER: PROPRIETARY ACIDIC CLEANER; MANUFACTURER'S STANDARD-STRENGTH CLEANER DESIGNED FOR REMOVING MORTAR/GROUT STAINS, EFFLORESCENCE, AND OTHER NEW CONSTRUCTION STAINS FROM NEW MASONRY WITHOUT DISCOLORING OR DAMAGING MASONRY SURFACES. USE PRODUCT EXPRESSLY APPROVED FOR INTENDED USE BY CLEANER MANUFACTURER AND MANUFACTURER OF MASONRY UNITS BEING CLEANED.
1. MANUFACTURER/PRODUCT - BASIS OF DESIGN: "SURE KLEAN VANATROL" AS MANUFACTURED BY PROSOCO, INC., CONCENTRATED ACIDIC MASONRY CLEANER OR APPROVED EQUAL.

DIVISION 06 - WOOD AND PLASTICS

06 10 00 ROUGH CARPENTRY: SEE STRUCTURAL GENERAL NOTES AND DRAWINGS

- A. FRAMING WITH DIMENSION LUMBER 2X6, 2X4 INTERIOR - 19% MAXIMUM MOISTURE CONTENT AT TIME OF ENCLOSURE. PROVIDE READINGS PRIOR TO INSTALLATION OF GYPSUM BOARD
- B. PROVIDE BLOCKING/BACKING FOR CABINETS AND WALL MOUNTED EQUIPMENT, HARDWARE.
- C. SILL SEALER GASKETS
- D. GALVANIZED STEEL COLD-FORMED FRAMING OF EQUAL SIZE AND SPACING, MAY BE SUBSTITUTED FOR NON-STRUCTURAL FRAMING MEMBERS.

06 16 00 SHEATHING: SEE STRUCTURAL GENERAL NOTES AND DRAWINGS

- A. ROOF AND WALL SHEATHING, APA RATED SHEATHING

06 40 23 INTERIOR ARCHITECTURAL WOODWORK

- A. PLASTIC LAMINATE CASEWORK
1. PLASTIC LAMINATE FINISHES: SILICONE
- b. SUBSTRATE: ANSII A208.2 INDUSTRIAL GRADE MDF, FORMALDEHYDE FREE
- c. HIGH-PRESSURE DECORATIVE LAMINATE: NEMA LD3
- d. GRADE HGL AND HGP (1.0 MM THICK) - OTHER HORIZONTAL SURFACES
2. EXPOSED SURFACES: HIGH-PRESSURE DECORATIVE LAMINATE
3. TRIM: 3MM PVC FOR SHELVES, DRAWERS, DOORS AND COUNTERTOPS
4. COLORS AND PATTERNS: ARCHITECT WILL SELECT FROM MANUFACTURER'S FULL RANGE OF COLORS, PATTERNS AND TEXTURES AS MANY AS SEVEN (7) DIFFERENT LAMINATES OF DISTINCT COLOR, TEXTURE AND PATTERN INCLUDING AS MANY AS (3) PREMIUM, WOOD GRAIN AND/OR METALLIC LAMINATES.
5. BASIS OF DESIGN: WILSONART OR APPROVED EQUAL
- B. SOLID SURFACE
1. FABRICATE COUNTERTOPS ACCORDING TO SOLID SURFACE MATERIAL MANUFACTURER'S WRITTEN INSTRUCTIONS AND TO THE ANI/MACMAVS "ARCHITECTURAL WOODWORK STANDARDS"
2. COUNTERTOPS: 1/2-INCH (12.7-MM) THICK, SOLID SURFACE MATERIAL WITH FRONT EDGE BUILT UP WITH SAME MATERIAL
3. JOINTS: FABRICATE COUNTERTOPS WITHOUT JOINTS
4. BASIS OF DESIGN: WILSONART '051 OR APPROVED EQUAL
- C. HARDWARE AND ACCESSORIES:
1. BUTT HINGES: 2-3/4-INCH (70MM), 5-KNUCKLE STEEL HINGES MADE FROM 0.095-INCH (.24 -MM) THICK METAL, AND AS FOLLOWS:
- a. FRAMELESS CONCEALED HINGES (EUROPEAN TYPE): BHMA A156.9, B01602, 120 DEGREES OF OPENING, SELF-CLOSING
- b. SEMI-CONCEALED HINGES FOR FLUSH AND OVERLAY DOORS: BHMA A156.9, B01361
2. WIRE PULLS: BACK MOUNTED, SOLID METAL, 4 INCHES (100 MM) LONG, 5/16 INCH (8 MM) IN DIAMETER, A. COLOR, FINISH, MATERIALS: TO BE SELECTED FROM FULL RANGE.
3. CATCHES: MAGNETIC CATCHES, BHMA A156.9, B03141.
4. DRAWER SLIDES: BHMA A156.9, B05091
- a. HEAVY DUTY GRADE 1HD-100 AND GRADE 1HD-200; SIDE MOUNTED, FULL-EXTENSION TYPE, ZINC-PLATED STEEL BALL BEARING SLIDES.
- b. BOX DRAWER SLIDES: GRADE 1HD-100, FOR DRAWERS NOT MORE THAN 6 INCHES HIGH AND 24 INCHES WIDE.
- c. FILE DRAWER SLIDES: GRADE 1HD-100, FOR DRAWERS MORE THAN 6 INCHES HIGH OR 24 INCHES WIDE AND SLIDE OUT SHELVES.
- d. PULL OUT COUNTER SLIDES: BASIS OF DESIGN: PROVIDE ACCURDE MODEL 9301-20 EXTRA HEAVY DUTY, FULL EXTENSION, DRAWER SLIDES, FLAT MOUNT, 500# LOAD CAPACITY, 150# LOAD CAPACITY IN FLAT MOUNT CONDITION.
5. GROMMETS: 2" DIAMETER FOR CORDS VINYL WITH REMOVABLE CAP. COLOR AS SELECTED FROM MANUFACTURER'S STANDARD COLORS.
6. SHELF PINS: ALL SHELF PINS TO BE SEISMIC DOUBLE PIN CAPTIVE SHELF SUPPORT.
7. HASP: PADLOCKABLE CAM LATCH, NORTHEAST LOCK CORPORATION, MODEL 5902, (800) 524-2575.
8. SUPPORT BRACKETS:
- a. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, AVAILABLE MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
1. COUNTERBALANCE CONCEALED BRACKET (1 INCH), HTTP://WWW.COUNTERBALANCESHOP.COM
2. OR APPROVED EQUAL.
- B. MODEL NO.: CCH-CBCF2-24BL
1. WIDTH: 2-INCH
- a. LENGTH: 24-INCH AT 24 TO 30-INCH COUNTERS.
- C. MODEL NO.: CCH-CBCF1-18BL
1. WIDTH: 2-INCH
2. LENGTH: 18-INCH AT 18 TO 24-INCH DESKTOPS AND COUNTERS.
- d. HOT ROLLED 1/8 INCH STEEL WITH POWDER COATED FINISH.
- e. SUPPORT PLACEMENT: EVERY 16 INCHES TO 20 INCHES.
- f. COLOR: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
- D. INTERIOR WINDOW SILLS, STOPS, S, APRON AND TRIM
1. WOOD SPECIES AND CUT: WHITE OAK, PLAIN SAWN.
- a. INTERIOR WOODWORK GRADE: UNLESS OTHERWISE INDICATED, PROVIDE PREMIUM-GRADE INTERIOR WOODWORK COMPLYING WITH REFERENCED QUALITY STANDARD.
- b. VERIFICATION OF DIMENSIONS: VERIFY ALL APPROVED APPLIANCE SIZES PRIOR TO FABRICATION OF CABINETWORK, TO AVOID CONFLICT.
- c. WOOD MOISTURE CONTENT: COMPLY WITH REQUIREMENTS OF REFERENCED QUALITY STANDARD FOR WOOD MOISTURE CONTENT IN RELATION TO AMBIENT RELATIVE HUMIDITY DURING FABRICATION AND IN INSTALLATION AREAS.
- d. FABRICATE WOODWORK TO DIMENSIONS, PROFILES TO MATCH EXISTING INTERIOR TRIM

5. BASIS OF DESIGN: WILSONART OR APPROVED EQUAL
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1. WIDTH: 2-INCH
2. LENGTH: 18-INCH AT 18



06/04/22

Bid Set

No.	Description	Date:

Project Title:

**Clyde Hill City Hall Office
Revisions**

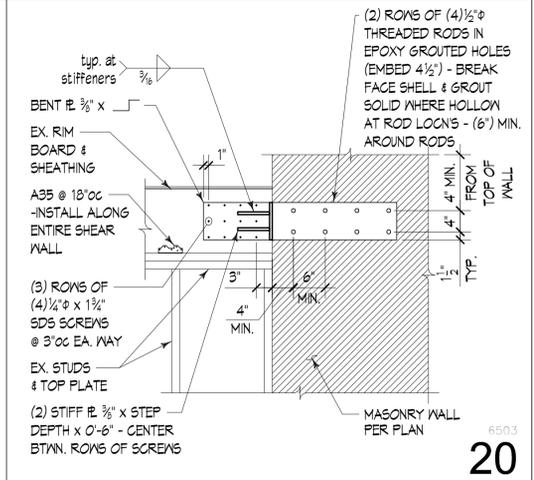
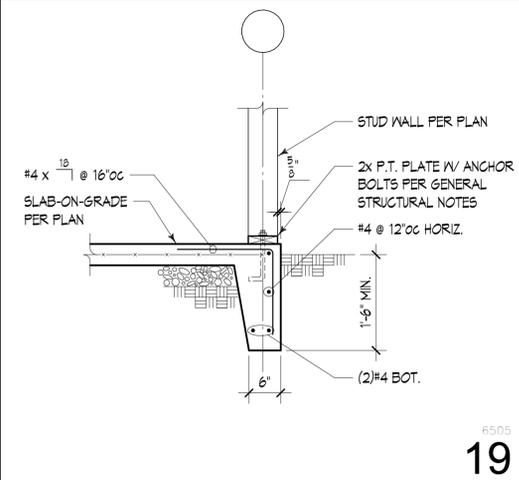
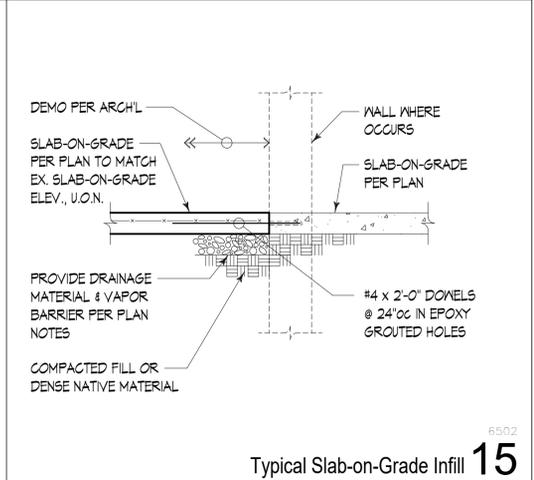
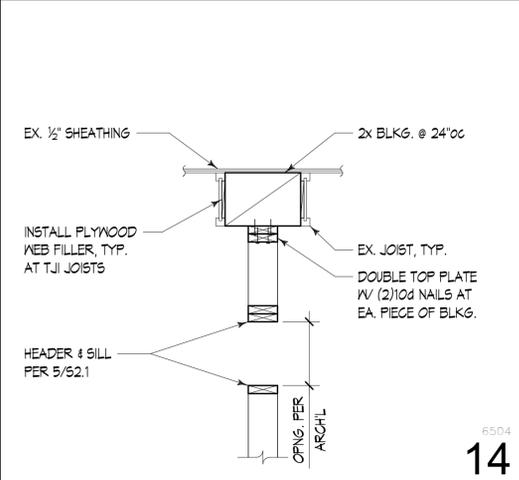
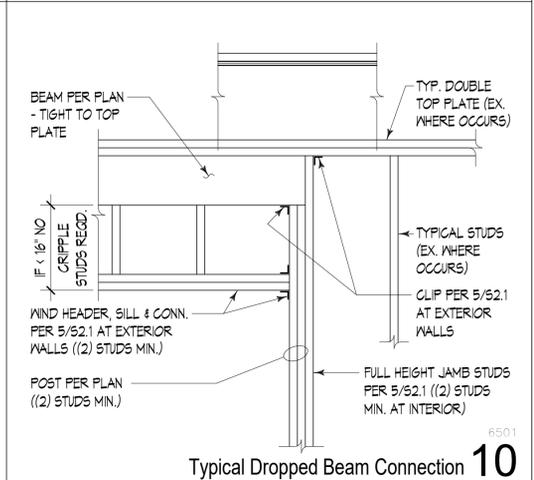
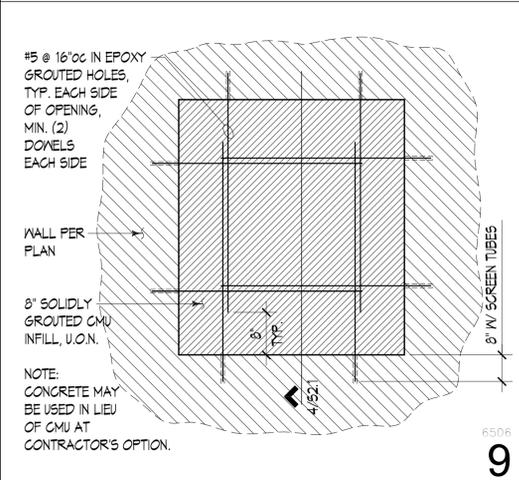
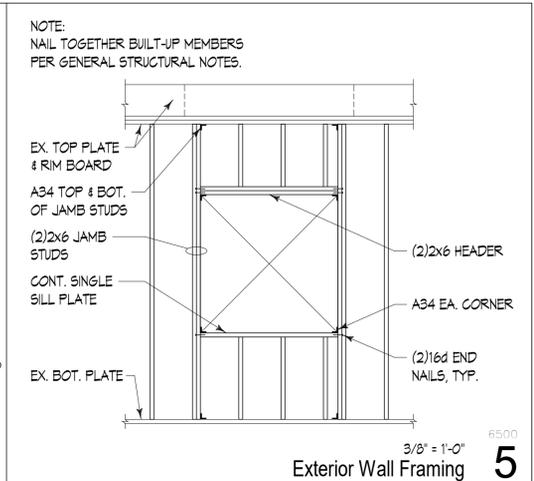
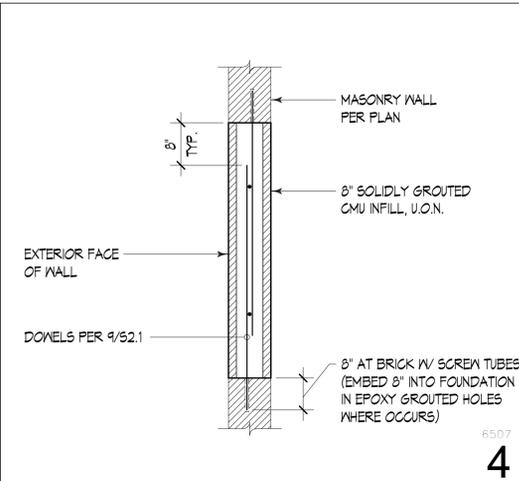
CITY OF CLYDE HILL
9805 NE 24th St, Clyde Hill, WA 98004

Sheet Title:

FOUNDATION PLAN & DETAILS

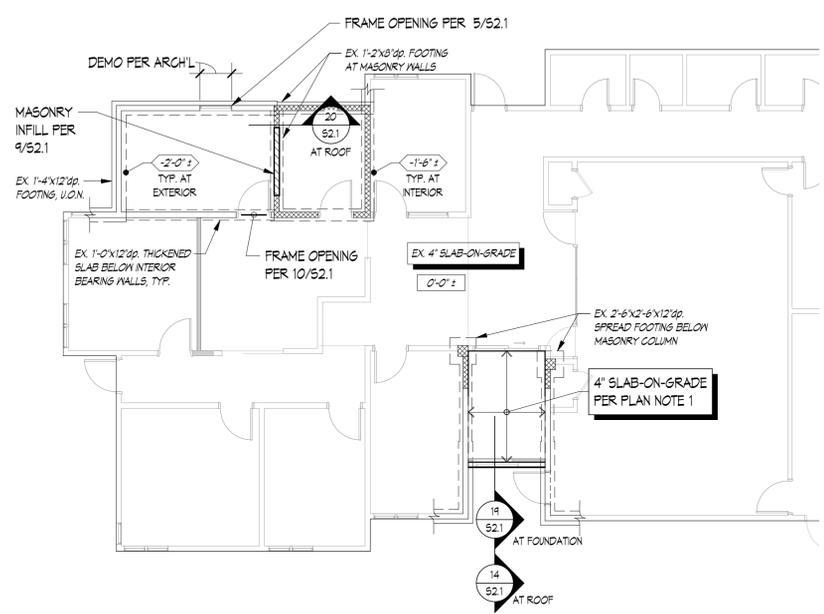
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Project No.: **S22026**
Date: **06/09/2022**
Sheet Number:

S2.1



- PLAN NOTES:**
- SLAB ELEVATION SHALL BE AS SHOWN IN PLAN; AT SLAB INFILLS, MATCH EX. SLAB ELEVATION, U.O.N. SLAB-ON-GRADE SHALL BE 4" THICK WITH 6x6 W/1.4xW/1.4 W/M AT CENTER, U.O.N. PROVIDE VAPOR BARRIER PER SPECIFICATIONS BELOW SLAB AT INTERIOR SPACES OVER FREE-DRAINING CAPILLARY BREAK MATERIAL PER SPECIFICATIONS. CONNECT NEW SLAB TO EX. SLAB WITH DONNELLS PER 15/52.1 WHERE EXISTING SLAB IS 3" THICK OR GREATER. ALL LOCATIONS NOT SHOWN ON STRUCTURAL. PRECISE DEMO EXTENTS TO BE DETERMINED BY CONTRACTOR. DO NOT DEMO EX. WALL AND COLUMN FOOTINGS, U.O.N.
 - SEE ARCHITECTURAL DRAWINGS FOR SLAB DEPRESSION AND SLOPE REQUIREMENTS.
 - STUD WALLS SHALL BE 2x STUDS @ 16" OC, U.O.N. SEE ARCHITECTURAL FOR WALL TYPES.
 - POSTS OR JAMB STUDS SUPPORTING BEAMS, SHALL BE (2) STUDS, U.O.N. NAIL STUDS TOGETHER PER GENERAL STRUCTURAL NOTES.
 - BEAMS SHALL BE 2X12 AND DROPPED PER 10/52.1, U.O.N.
 - INFILL EX. MASONRY OPENINGS PER 9/52.1 - LOCATIONS PER ARCH'L.

- LEGEND:**
- TOP OF EX. SLAB ELEVATION
 - BOTTOM OF EX. FOOTING ELEVATION
 - EX. MASONRY THIS LEVEL
 - MASONRY INFILL PER 9/52.1
 - STRUCTURAL WALL THIS LEVEL (SEE PLAN NOTE 2)
 - EX. STRUCTURAL WALL THIS LEVEL
- NOTE:** ALL DIMENSIONS, ELEVATIONS, AND LOCATIONS OF EXISTING STRUCTURAL COMPONENTS ARE BASED ON INFORMATION GATHERED FROM ORIGINAL DRAWINGS OR CURSORY FIELD MEASUREMENTS AND ARE SHOWN FOR INFORMATION ONLY. CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL CONDITIONS PRIOR TO COMMENCING ANY WORK. NOTIFY ENGINEER WHERE CONDITIONS VARY FROM THOSE SHOWN.



18 FOUNDATION PLAN
1/8" = 1'-0"

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General Structural Notes

(THE FOLLOWING APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS.)

CRITERIA:

1. ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE INTERNATIONAL BUILDING CODE (IBC) WITH WASHINGTON STATE ADMINISTRATIVE CODE AMENDMENTS, 2018 EDITION.
2. THE EXISTING STRUCTURE HAS NOT BEEN EVALUATED OR STRENGTHENED TO CONFORM TO CURRENT SEISMIC CODE REQUIREMENTS AS PART OF THIS PROJECT SCOPE. THE ALTERATIONS SHOWN ARE IN CONFORMANCE WITH SECTION 806.3 OF THE INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2018 EDITION.

DESIGN LOADING CRITERIA:

RISK CATEGORY IBC TABLE 1604.5 II
 ROOF SNOW LOAD 25 PSF (I_s = 1.0)

EARTHQUAKE (EXISTING BUILDING RENOVATION) ASCE 41-17, BSE-1E, LIFE SAFETY
 $S_5 = 0.48, S_1 = 0.15, S_{VS} = 0.68, S_{VI} = 0.34$
 ASCE 41-17, BSE-2E, COLLAPSE PREVENTION
 $S_5 = 1.0, S_1 = 0.34, S_{VS} = 1.20, S_{VI} = 0.67$
 EXISTING ORDINARY REINFORCED MASONRY SHEAR WALLS AND EXISTING LIGHT FRAMED WOOD STRUCTURAL PANELS

WIND 105 MPH, EXPOSURE "B", K_{zt} = 1.3
 WIND (CLADDING/ENCLOSURE ELEMENT DESIGN PRESSURES) 30/19 PSF MAX. AT WALLS (LRFD/ASD)
 48/29 PSF GROSS UPLIFT AT ROOF (LRFD/ASD)
 WIND PRESSURES BASED ON LESS THAN 10 SQUARE FOOT TRIBUTARY AREAS NEAR WALL CORNERS OR ROOF EDGES (EXCLUDING CORNER ZONES AT ROOF). REDUCED DESIGN PRESSURES MAY BE CALCULATED IN ACCORDANCE WITH ASCE 7-16 CHAPTER 30.

SEE DRAWINGS FOR ADDITIONAL LOADING CRITERIA

4. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS AND ALL OTHER CONTRACT DOCUMENTS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY ARCHITECT OF ALL DISCREPANCIES PRIOR TO CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE BUILDING LAYOUT DIMENSIONS (GRID LAYOUTS, SITE COORDINATES, ETC.) AMONGST ALL TRADES, INCLUDING SHOP FABRICATED ITEMS.
5. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES AND CONDITIONS PRIOR TO COMMENCING ANY WORK AND PRIOR TO SUBMITTING SHOP DRAWINGS. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. THE EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE BASED EITHER ON SITE OBSERVATION, ORIGINAL DRAWINGS OR WERE ASSUMED BASED ON EXPECTED CONDITIONS. IF THE EXISTING CONDITIONS DO NOT CLOSELY MATCH THE CONDITIONS SHOWN ON THE DRAWINGS, OR IF THE EXISTING MATERIALS ARE OF QUESTIONABLE OR SUBSTANDARD QUALITY, NOTIFY THE ENGINEER PRIOR TO COMMENCING ANY WORK.
6. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING, BOTH FOR VERTICAL LOADS AND LATERAL STABILITY, FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE DRAWINGS.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE WORK.
8. CONTRACTOR-INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS ONLY WILL NOT SATISFY THIS REQUIREMENT.
9. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE STRUCTURAL ENGINEER.

10. ALL STRUCTURAL SYSTEMS COMPOSED OF COMPONENTS TO BE FIELD ERRECTED SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE AND ERECTION IN ACCORDANCE WITH INSTRUCTIONS PREPARED BY THE SUPPLIER.

11. SHOP DRAWINGS FOR REINFORCING STEEL SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION OF THESE ITEMS.

12. SHOP DRAWING REVIEW: DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE ENGINEER OF RECORD, AND THEREFORE MUST BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS PRIOR TO REVIEW BY ENGINEER OF RECORD. SUBMITTALS SHALL BE SUBMITTED ELECTRONICALLY IN PDF FORMAT.

SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT BY INDICATING WHICH MATERIAL IS INTENDED TO BE FURNISHED AND INSTALLED AND BY DETAILING THE INTENDED FABRICATION AND INSTALLATION METHODS. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWING SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SHOP DRAWING SUBMITTALS ARE PROCESSED BY THE ENGINEER, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE FOLLOWED.

STATEMENT OF SPECIAL INSPECTIONS (STRUCTURAL):

13. STATEMENT OF SPECIAL INSPECTIONS - STRUCTURAL ITEMS (SEISMIC DESIGN CATEGORY D):

DEFINITIONS:
THE SEISMIC FORCE RESISTING SYSTEM FOR THIS STRUCTURE CONSISTS PRIMARILY OF EXISTING WOOD AND MASONRY SHEAR WALLS, WOOD DIAPHRAGMS, AND WOOD STRUT MEMBERS AS SPECIFIED ON THE DRAWINGS. SEE THE LEGEND OF PLAN SHEETS FOR ADDITIONAL INFORMATION DEFINING MEMBER LOCATIONS.

SPECIAL INSPECTIONS AND TESTING SHALL BE PERFORMED BY THE OWNER APPOINTED INSPECTION AGENCY IN ACCORDANCE WITH CHAPTER 17 OF THE IBC WITH REPORTS PER IBC SECTION 1704.2.4 SUBMITTED TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL FOR EACH DAY SPECIAL INSPECTIONS OR TESTING IS PERFORMED. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN IBC SECTION 110. SEE TABLES BELOW FOR ADDITIONAL INFORMATION.

STRUCTURAL ITEMS	SPECIAL INSPECTION FREQUENCY	IBC REFERENCE
<u>CONCRETE (SEE GENERAL STRUCTURAL NOTE 19 FOR ADDITIONAL REQUIREMENTS)**</u>		
REINFORCING PLACEMENT	PERIODIC AND PRIOR TO ALL CONCRETE POURS	TABLE 1705.3 ITEM 1
ANCHOR BOLT PLACEMENT	PERIODIC AND PRIOR TO ALL CONCRETE POURS	TABLE 1705.3 ITEM 3
CONCRETE PLACEMENT***	CONTINUOUS	TABLE 1705.3 ITEM 5,6&7
CURING & FORMWORK PROCEDURES	PERIODIC	TABLE 1705.3 ITEM 8,11&12

<u>WOOD</u>		
FASTENERS, BOLTS, STRAPS, HOLDOWNS, ETC.	PERIODIC FOR CONNECTIONS OF ALL MEMBERS OF THE SEISMIC AND WIND FORCE RESISTING SYSTEM INCLUDING DIAPHRAGMS, SHEAR WALLS, STRUTS, & HOLDOWNS	1705.11.1&1705.12.2****

<u>EXPANSION BOLTS, INSERTS & CONCRETE SCREWS</u>	PERIODIC INCLUDING TORQUE TESTS IN ACCORDANCE WITH APPROVED ICC-ES REPORTS	TABLE 1705.3 ITEM 4
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<u>EPOXY GROUTED RODS OR REBAR</u>	PERIODIC INCLUDING INSPECTION OF EMBEDMENT DEPTH AND HOLE CLEANLINESS PRIOR TO ALL INSTALLATIONS (CONTINUOUS FOR UPWARDLY INCLINED ANCHORS)	TABLE 1705.3 ITEM 4, ACI 318-14 SECTION 17.8
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<u>SOIL COMPACTION</u>	CONTINUOUS	1705.6
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** EXCEPTIONS 1 THRU 5 PER IBC SECTION 1705.3 SHALL NOT APPLY TO CONCRETE WORK ON THIS PROJECT.
 *** FREQUENCY OF CONCRETE LABORATORY TESTING SHALL BE IN ACCORDANCE WITH ACI 318-14 SECTION 26.12.2 UNLESS OTHERWISE NOTED IN THE PROJECT SPECIFICATIONS.
 **** THE EXCEPTION FOR SHEATHING FASTENED AT A SPACING GREATER THAN 4"oc SHALL NOT APPLY TO WOOD FRAMING ON THIS PROJECT.

	SEISMIC DESIGN REQUIREMENTS (ASCE 7-16 CHAPTER 13)	PERIODIC SPECIAL INSPECTION AS SPECIFIED PER IBC CHAPTER 17
ARCH, MECH, & ELEC ITEMS		
EXTERIOR WALLS, VENEER & CLADDING	ASCE 7-16 SECTION 13.5.3	REQUIRED FOR WALL FRAMING, FOR FASTENING OF VENEER OR CLADDING EXCEEDING 5 PSF (IBC 1705.12.5)
SUSPENDED CEILINGS	ASCE 7-16 SECTION 13.5.6	INSPECTIONS PER IBC SECTION 110 AND ASCE 7 13.5.6.2.2 AS REQUIRED
ALL OTHER MECHANICAL AND ELECTRICAL COMPONENTS	ASCE 7-16 SECTION 13.6	NOT REQUIRED

STRUCTURAL OBSERVATION PER IBC SECTION 1704.6 IS NOT REQUIRED FOR THIS STRUCTURE.

CONTRACTOR STATEMENT OF RESPONSIBILITY: CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY IN ACCORDANCE WITH IBC SECTION 1704.4 TO THE BUILDING OFFICIAL AND OWNER PRIOR TO CONSTRUCTION ACKNOWLEDGING THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.

GEOTECHNICAL:

14. FOUNDATION NOTES: ALLOWABLE SOIL PRESSURE AND SOIL PROFILE TYPE ARE ASSUMED AND THEREFORE MUST BE VERIFIED BY A QUALIFIED GEOTECHNICAL ENGINEER. IF SOILS ARE FOUND TO BE OTHER THAN ASSUMED, NOTIFY THE STRUCTURAL ENGINEER FOR POSSIBLE FOUNDATION REDESIGN.

FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED EARTH AT LEAST 18" BELOW ADJACENT FINISHED GRADE. SPECIAL INSPECTOR SHALL CONFIRM THAT TOPSOILS, POOR FILL MATERIALS, AND ORGANICS ARE NOT PRESENT IN THE EXPOSED SUBGRADE. UNLESS OTHERWISE NOTED, FOOTINGS SHALL BE CENTERED BELOW COLUMNS OR WALLS ABOVE.

BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING, GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE.

ALLOWABLE SOIL PRESSURE 2,000 PSF
 SOIL PROFILE TYPE SITE CLASS D

ANCHORAGE:

15. EXPANSION BOLTS INTO CONCRETE SHALL BE ONE OF THE FOLLOWING INSTALLED IN STRICT ACCORDANCE WITH THE ICC-ES REPORTS INDICATED AND MANUFACTURER'S INSTRUCTIONS: "KWIK BOLT TZ" AS MANUFACTURED BY HILTI, INC. (ICC-ES NO. 1917); OR "STRONG-BOLT 2" AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. (ICC-ES NO. 3037); OR "POWER-STUD+SD2" AS MANUFACTURED BY DEWALT (ICC-ES NO. 2502). SUBSTITUTES PROPOSED BY CONTRACTOR SHALL BE SUBMITTED FOR REVIEW WITH ICC-ES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. IN ADDITION, SUBSTITUTIONS SHALL MEET ICC-ES ACCEPTANCE CRITERIA AC193. SPECIAL INSPECTION IS REQUIRED FOR ALL EXPANSION BOLT INSTALLATION. EXPANSION BOLTS SHALL NOT BE USED AS SUBSTITUTES FOR EMBEDDED ANCHOR BOLTS UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER. NOTIFY ENGINEER IF BOLT LOCATIONS CONFLICT WITH REINFORCING STEEL - DO NOT CUT REINFORCING OR REDUCE EMBEDMENT DEPTHS WITHOUT PRIOR APPROVAL.

UNLESS OTHERWISE NOTED, PROVIDE THE FOLLOWING NOMINAL EMBEDMENT DEPTHS FOR EXPANSION BOLTS INTO CONCRETE:

HILTI KWIK BOLT TZ:
 1/2"Ø EXPANSION BOLTS 3 5/8"
 5/8"Ø EXPANSION BOLTS 4 7/16"
 3/4"Ø EXPANSION BOLTS 5 5/16"

SIMPSON STRONG-BOLT 2:
 1/2"Ø EXPANSION BOLTS 3 7/8"
 5/8"Ø EXPANSION BOLTS 5 1/8"
 3/4"Ø EXPANSION BOLTS 5 3/4"

DEWALT/POWERS POWER-STUD+SD2:
 1/2"Ø EXPANSION BOLTS 3 3/4"
 5/8"Ø EXPANSION BOLTS 4 7/8"
 3/4"Ø EXPANSION BOLTS 5 3/4"

16. EPOXY-GROUTED RODS OR REBAR TO CONCRETE SPECIFIED ON THE DRAWINGS SHALL BE ONE OF THE FOLLOWING INSTALLED IN STRICT ACCORDANCE WITH THE ICC-ES REPORTS INDICATED AND MANUFACTURER'S INSTRUCTIONS INCLUDING MINIMUM EMBED REQUIREMENTS: "SET-XP" AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. (ICC-ES NO. 2508); OR "HIT-HY 200" AS MANUFACTURED BY HILTI, INC. (ICC-ES NO. 3187), "SAFE-SET" INSTALLATION WITH HOLLOW CARBIDE DRILL BIT IS PERMITTED; OR "PURE110" AS MANUFACTURED BY DEWALT (ICC-ES NO. 3298), OR "AC208+" AS MANUFACTURED BY DEWALT (ICC-ES NO. 4027). SUBSTITUTES PROPOSED BY CONTRACTOR SHALL BE SUBMITTED FOR REVIEW WITH ICC-ES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. IN ADDITION, SUBSTITUTIONS SHALL MEET ICC-ES ACCEPTANCE CRITERIA AC308. SPECIAL INSPECTION OF EPOXY-GROUTED ANCHOR INSTALLATION IS REQUIRED. NOTIFY ENGINEER IF ANCHOR LOCATIONS CONFLICT WITH REINFORCING STEEL - DO NOT CUT REINFORCING OR REDUCE EMBEDMENT DEPTHS WITHOUT PRIOR APPROVAL. INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS SHALL BE PERFORMED BY CERTIFIED PERSONNEL IN CONFORMANCE TO ACI 318-14 SECTION 17.8.2.2. HOLES SHALL BE HAMMER DRILLED AND DRY.

EPOXY GROUTED RODS OR REBAR SHALL NOT BE USED AS SUBSTITUTES FOR CAST-IN-PLACE ANCHOR BOLTS, THREADED RODS, OR REINFORCING STEEL UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER. FIELD FIXES OR OTHER CONDITIONS NOT ADDRESSED IN THE DOCUMENTS MUST BE SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER, INCLUDING EMBEDMENT DEPTHS.

UNLESS OTHERWISE NOTED, PROVIDE THE FOLLOWING EMBEDMENT DEPTHS FOR ANCHORS AT CONCRETE:

1/2"Ø ROD OR #4 BAR 5"
 5/8"Ø ROD OR #5 BAR 7"
 3/4"Ø ROD OR #6 BAR 9"

17. EPOXY-GROUTED RODS OR REBAR TO REINFORCED MASONRY SPECIFIED ON THE DRAWINGS SHALL BE GROUTED WITH ONE OF THE FOLLOWING: "SET XP" AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC (IAPMO REPORT NO. 265); "HIT-HY 270" AS MANUFACTURED BY HILTI, INC (ICC-ES REPORT NO. 4143); OR "AC108+GOLD" AS MANUFACTURED BY DEWALT (ICC-ES REPORT NO. 3200). INSTALL ANCHORS IN STRICT ACCORDANCE WITH ICC OR IAPMO REPORTS, INCLUDING MINIMUM EMBEDMENT REQUIREMENTS.

SUBSTITUTES PROPOSED BY CONTRACTOR SHALL BE SUBMITTED FOR REVIEW WITH ICC-ES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. IN ADDITION, SUBSTITUTIONS SHALL MEET ICC-ES ACCEPTANCE CRITERIA (ACS8 FOR NEW MASONRY APPLICATIONS). SPECIAL INSPECTION OF EPOXY-GROUTED ANCHOR INSTALLATION IS REQUIRED. PROVIDE SCREEN TUBES AT HOLLOW CMU. SCREEN TUBES ARE NOT REQUIRED AT GROUTED CMU. HOLES IN MASONRY SHALL BE DRILLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. EPOXY GROUTED RODS OR REBAR SHALL NOT BE USED AS SUBSTITUTES FOR CAST-IN-PLACE ANCHOR BOLTS OR REINFORCING STEEL UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER. NOTIFY ENGINEER IF BOLT LOCATIONS CONFLICT WITH REINFORCING STEEL - DO NOT CUT REINFORCING OR REDUCE EMBEDMENT DEPTHS WITHOUT PRIOR APPROVAL.

UNLESS OTHERWISE NOTED, PROVIDE THE FOLLOWING EMBEDMENT DEPTHS FOR ANCHORS AT REINFORCED MASONRY WALLS:

3/8"Ø ROD OR #3 BAR 4"
 1/2"Ø ROD OR #4 BAR 5"
 5/8"Ø ROD OR #5 BAR 7"

SHEET INDEX

S1.1	GENERAL STRUCTURAL NOTES
S1.2	GENERAL STRUCTURAL NOTES

S2.1 FOUNDATION PLAN & DETAILS



ARCHITECTURE + PLANNING + DESIGN

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Bid Set

No.	Description	Date:

Project Title:

Clyde Hill City Hall Office Revisions
 CITY OF CLYDE HILL
 9805 NE 24th St, Clyde Hill, WA 98004

Sheet Title:

GENERAL STRUCTURAL NOTES

Scale: 3/4" = 1'-0"

Project No.: S22026

Date: 06/09/2022

Sheet Number:

S1.1

General Structural Notes

(THE FOLLOWING APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS.)

RENOVATION:

18. **DEMOLITION:** CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING ANY DEMOLITION. SHORING SHALL BE INSTALLED TO SUPPORT EXISTING CONSTRUCTION AS REQUIRED AND IN A MANNER SUITABLE TO THE WORK SEQUENCES. DEMOLITION DEBRIS SHALL NOT BE ALLOWED TO DAMAGE OR OVERLOAD THE EXISTING STRUCTURE. LIMIT CONSTRUCTION LOADING (INCLUDING DEMOLITION DEBRIS) ON EXISTING ROOF SYSTEMS TO 20 PSF.

A. ALL NEW OPENINGS THROUGH EXISTING MASONRY OR CONCRETE WALLS, SLABS, AND BEAMS SHALL BE ACCOMPLISHED BY SAWCUTTING WHEREVER POSSIBLE. UNLESS OTHERWISE NOTED, ALL NEW OPENINGS SHALL BE SAWCUT NEAT AND CLEAN; NO OVERCUTTING AT OPENING CORNERS SHALL BE ALLOWED. AS REQUIRED, CORE DRILL CORNERS AND CHIP, GRIND OR CUT THE CORNERS TO PROVIDE THE REQUIRED DIMENSIONS.

B. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LOCATION OF MEMBERS PRIOR TO CUTTING ANY OPENINGS.

C. SMALL ROUND OPENINGS SHALL BE ACCOMPLISHED BY CORE DRILLING, IF POSSIBLE. HOLES UP TO 1" MAY BE ROTOHAMMERED.

EXISTING REINFORCING SHALL BE SAVED UNLESS OTHERWISE NOTED. SAW CUTTING, DRILLING, OR CORING SHALL NOT CUT EXISTING REINFORCING WHICH IS TO BE SAVED. UNLESS OTHERWISE NOTED, THE FOLLOWING GUIDELINES SHALL BE USED FOR EXISTING REINFORCING (NOTE "SCANNING" IS DEFINED AS EITHER X-RAYING OR GROUND PENETRATING RADAR, WHICHEVER IS SUITABLE TO ACCURATELY LOCATE REINFORCING):

CONCRETE:

19. **CONCRETE** SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH ACI 318-14 CHAPTER 26 AND ACI 301. CONCRETE SHALL ATTAIN A 28-DAY STRENGTH OF f'c = 3,000 PSI (4,000 PSI AT INTERIOR SLABS AND 4,500 PSI AT ALL CONCRETE EXPOSED TO WEATHER). MAXIMUM WATER-CEMENTITIOUS MATERIAL RATIO FOR INTERIOR SLABS SHALL BE BETWEEN 0.40 AND 0.44.

EXPOSURE CLASSES: CONCRETE MIXES SHALL CONFORM TO EXPOSURE CLASSES F0, S0, W0, AND C0 IN ACCORDANCE WITH ACI 318-14, TABLES 19.3.1.1 AND 19.3.2.1, EXCEPT FOR THE FOLLOWING: CONCRETE EXPOSED TO EARTH SHALL CONFORM TO EXPOSURE CLASS C1. CONCRETE EXPOSED TO WEATHER AND FREEZING (INCLUDING EXTERIOR FOUNDATIONS, WALLS AND COLUMNS WITHIN 18" OF FINISHED EXTERIOR GRADE) SHALL CONFORM TO EXPOSURE CLASS F1 (F2 FOR EXTERIOR SLABS EXPOSED TO WEATHER).

CONCRETE MIXES SHALL MEET OR EXCEED THE REQUIREMENTS SPECIFIED ABOVE. MIXES SHALL BE SUBMITTED TO THE ENGINEER AND BUILDING OFFICIAL FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CONCRETE AND SHALL INCLUDE THE AMOUNTS OF CEMENT, CEMENTITIOUS MATERIAL, FINE AND COARSE AGGREGATE, WATER AND ADMIXTURES, AS WELL AS THE WATER-CEMENT RATIO, SLUMP, CONCRETE YIELD AND SUBSTANTIATING STRENGTH DATA IN ACCORDANCE WITH ACI 318-14, CHAPTER 26 AND 27. REVIEW OF MIX SUBMITTALS BY THE ENGINEER OF RECORD INDICATES ONLY THAT INFORMATION PRESENTED CONFORMS GENERALLY WITH CONTRACT DOCUMENTS. CONTRACTOR OR SUPPLIER MAINTAINS FULL RESPONSIBILITY FOR SPECIFIED PERFORMANCE.

20. **REINFORCING STEEL** SHALL CONFORM TO ASTM A615, GRADE 60, fy = 60,000 PSI. GRADE 60 REINFORCING BARS WHICH ARE TO BE WELDED SHALL CONFORM TO ASTM A706.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064.

21. **REINFORCING STEEL** SHALL BE DETAILED (INCLUDING HOOKS AND BENDS) IN ACCORDANCE WITH ACI 315-18 AND 318-14. LAP ALL CONTINUOUS REINFORCEMENT (#5 AND SMALLER) 40 BAR DIAMETERS OR 2'-0" MINIMUM. PROVIDE CORNER BARS AT ALL WALL INTERSECTIONS. LAP CORNER BARS (#5 AND SMALLER) 40 BAR DIAMETERS OR 2'-0" MINIMUM. LAPS OF LARGER BARS SHALL BE MADE IN ACCORDANCE WITH ACI 318-14 SECTION 25.5, CLASS B. LAP ADJACENT MATS OF WELDED WIRE FABRIC A MINIMUM OF 12" AT SIDES AND ENDS.

NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS OTHERWISE NOTED ON THE DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER.

22. **CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL** SHALL BE AS FOLLOWS:

FOOTINGS AND OTHER UNFORMED SURFACES CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
FORMED SURFACES EXPOSED TO EARTH (i.e. WALLS BELOW GROUND) OR WEATHER (#5 BARS OR SMALLER). . . 1 1/2"
SLAB-ON-GRADE BOTTOM REINFORCING (WITH VAPOR BARRIER BELOW) 1 1/2"
SLABS (#11 BARS OR SMALLER) . . 1"

23. **CAST-IN-PLACE CONCRETE:** SEE ARCHITECTURAL DRAWINGS FOR ALL GROOVES, NOTCHES, CHAMFERS, FEATURE STRIPS, COLOR, TEXTURE, AND OTHER FINISH DETAILS AT ALL EXPOSED CONCRETE SURFACES.

24. **BONDING AGENT** SHALL BE "MASTEREMACO ADH 326" BY BASF CORPORATION. OR EQUIVALENT, AND SHALL BE USED WHERE NEW CONCRETE IS PLACED AGAINST HARDENED CONCRETE. PLACE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, INCLUDING PREPARATION OF EXISTING SURFACES. CONCRETE SHALL BE CONSIDERED HARDENED AFTER 56 DAYS.

MASONRY:

25. **CONCRETE MASONRY UNIT WALLS** SHALL BE CONSTRUCTED OF MEDIUM OR NORMAL WEIGHT MASONRY UNITS, CONFORMING TO ASTM C90, LAID IN A RUNNING BOND WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 1,900 PSI. MORTAR SHALL BE TYPE "S" IN CONFORMANCE WITH ASTM C270 AND ARTICLE 2.6A OF TMS602-16. GROUT SHALL CONFORM TO ARTICLE 2.2 OF TMS602-16 AND ASTM C1019 REQUIREMENTS AND ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS, DESIGN F'm = 1,500 PSI AT 28 DAYS. STRENGTH SHALL BE VERIFIED BY PRISM TESTING OR SHALL BE VERIFIED BY THE UNIT STRENGTH METHOD IN ACCORDANCE WITH IBC SECTION 1705.4 AND ARTICLE 1.4B OF TMS602-16 PRIOR TO CONSTRUCTION. ADDITIONAL UNIT STRENGTH OR PRISM TESTING IN ACCORDANCE WITH ASTM C1314 SHALL BE COMPLETED FOR EACH 5,000 SQUARE FEET OF WALL DURING CONSTRUCTION.

LAP SPLICES SHALL BE 40" FOR NO. 5 BARS.

FILL ALL CELLS CONTAINING REINFORCEMENT OR EMBEDDED ITEMS AND ALL CELLS IN CONTACT WITH EARTH WITH GROUT. PROVIDE CLEANOUT HOLES AT BOTTOM OF ALL CELLS CONTAINING REINFORCEMENT FOR POURS GREATER THAN 5.33 FEET IN HEIGHT (MAXIMUM SPACING OF CLEANOUTS SHALL BE 32"oc FOR SOLIDLY GROUTED WALLS). MAXIMUM HEIGHT OF GROUT POURS SHALL BE IN ACCORDANCE WITH TMS602-16 TABLE 6. MAXIMUM HEIGHT OF GROUT LIFTS IS 5.33 FEET, EXCEPT AS PERMITTED PER ARTICLE 3.5D OF TMS602-16.

STEEL:

26. **STRUCTURAL STEEL** SHALL CONFORM TO THE FOLLOWING REQUIREMENTS: STEEL PLATES SHALL CONFORM TO ASTM A572, Fy = 50 KSI. THREADED RODS FOR EPOXY GROUTED CONNECTIONS SHALL CONFORM TO ASTM A36 OR ASTM F1554 (36 KSI).

27. **ALL WELDING SHALL** BE IN CONFORMANCE WITH A.I.S.C. AND A.W.S. STANDARDS AND SHALL BE PERFORMED BY W.A.B.O. CERTIFIED WELDERS USING E70XX ELECTRODES. ONLY PREQUALIFIED WELDS (AS DEFINED BY A.W.S.) SHALL BE USED.

THE WELD SYMBOLS SHOWN ON THE DRAWINGS ARE INTENDED ONLY TO AID THE CONTRACTOR IN THE DETERMINATION OF FIELD VERSUS SHOP WELDING. THE CONTRACTOR SHALL WORK WITH THE FABRICATOR AND ERECTOR TO COORDINATE THE FINAL DETERMINATION OF FIELD VERSUS SHOP WELDS TO ACCOMMODATE THE CONSTRUCTION SEQUENCING OF THE PROJECT.

ALL WELDS SHALL BE MADE WITH A FILLER WELD METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT.-LBS. AT 0 DEGREES F. WELDS SPECIFICALLY DENOTED AS "DEMAND CRITICAL" SHALL BE MADE WITH FILLER WELD METAL THAT ADDITIONALLY HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 40 FT-LBS AT 70 DEGREES F. SEE AISC 341-16 CHAPTER A3 (4B) AND AWS D1.8 SECTION 6.3 FOR ADDITIONAL REQUIREMENTS.

WOOD:

28. **FRAMING LUMBER** SHALL BE KILN DRIED OR MC-19, AND GRADED AND MARKED IN CONFORMANCE WITH W.C.L.I.B. STANDARD GRADING RULES FOR WEST COAST LUMBER NO. 17 OR W.W.P.A. WESTERN LUMBER GRADING RULES. FURNISH TO THE FOLLOWING MINIMUM STANDARDS:

STUDS AND JOISTS: (2x AND 3x MEMBERS) HEM-FIR NO. 2
MINIMUM BASIC DESIGN STRESS, Fc = 1300 PSI, Fb = 850 PSI,
Fv = 150 PSI, E = 1300 KSI

PLATES, LEDGERS & MISCELLANEOUS LIGHT FRAMING: HEM-FIR NO. 3 OR STUD GRADE
MINIMUM BASIC DESIGN STRESS, Fb = 500 PSI, E = 1200 KSI
Fc = 725 PSI, Ft = 300 PSI

NOTE: FINGER JOINTED STUDS MAY BE SUBSTITUTED ONLY IF THEY MEET PRESCRIBED BENDING STRESS & TENSION STRESS CRITERIA.

NOTE: WHERE NOTED ON THE DRAWINGS, PLATES SHALL BE DOUGLAS FIR NO. 3 OR STUD GRADE.

29. **ALL PRESSURE-TREATED (P.T.) WOOD MEMBERS** SPECIFIED ON THE DRAWINGS THAT OCCUR ABOVE GROUND AND CONTINUOUSLY PROTECTED FROM MOISTURE (INTERIOR LOCATIONS) SHALL BE PRESSURE-TREATED WITH DOT SODIUM BORATE (SBX) WITHOUT NaSiO2. AT LOCATIONS PERMANENTLY EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, WOOD MEMBERS SHALL BE PRESSURE-TREATED WITH COPPER AZOLE CA-B (HEM-FIR ONLY), OR ALKALINE COPPER QUAT (ACQ-C FOR DOUGLAS-FIR, OR ACQ-D FOR HEM-FIR) PRESERVATIVES UNLESS OTHERWISE NOTED. AMMONIACAL COPPER ZINC ARSENATE (ACZA) PRESERVATIVE, OR OTHER PRESERVATIVES WITH AMMONIA CARRIERS, SHALL NOT BE USED.

SEE GENERAL STRUCTURAL NOTES 30 AND 32 FOR MATERIAL REQUIREMENTS OF CONNECTORS AND FASTENERS IN CONTACT WITH PRESSURE-TREATED MEMBERS.

INSTALL 2 LAYERS OF ASPHALT-IMPREGNATED BUILDING PAPER BETWEEN UNTREATED LEDGERS, BLOCKING, ETC., AND CONCRETE OR MASONRY.

30. **TIMBER CONNECTORS** CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, AS SPECIFIED IN THEIR WOOD CONSTRUCTION CONNECTORS CATALOG NO. C-C-2019. ALTERNATE CONNECTORS CONFORMING WITH IBC SECTION 1711 MAY BE USED SUBJECT TO REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER. A CURRENT ICC-ES REPORT AND A LIST STATING THE ITEM-FOR-ITEM SUBSTITUTION MUST BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR ANY PROPOSED SUBSTITUTES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ENGINEERING COSTS RELATING TO REVIEW AND/OR RE-DESIGN TO ACCOMMODATE PROPOSED SUBSTITUTIONS. INSTALL NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER. CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, CENTER STRAP ON JOINT AND INSTALL NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER, WITH EQUAL NUMBER AND SIZE OF FASTENERS IN EACH MEMBER. ALL BOLTS IN WOOD MEMBERS SHALL CONFORM TO ASTM A307. INSTALL WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. ALL SHIMS SHALL BE SEASONED AND DRIED AND THE SAME GRADE (MINIMUM) AS MEMBERS CONNECTED.

ALL TIMBER CONNECTORS IN CONTACT WITH PRESSURE-TREATED WOOD THAT USES PRESERVATIVE CHEMICALS OTHER THAN DOT SODIUM BORATE (SBX) WITHOUT NaSiO2 SHALL BE MANUFACTURED FROM ZMAX STEEL BY SIMPSON (G185 STEEL PER ASTM A653), OR TYPE 304 OR 316 STAINLESS STEEL. ALTERNATIVELY, CONNECTORS CAN BE POST HOT DIP GALVANIZED PER ASTM A123 OR MECHANICALLY GALVANIZED PER ASTM B695, CLASS 55 OR GREATER. STAINLESS STEEL FASTENERS SHALL BE USED WITH STAINLESS STEEL CONNECTORS, AND HOT DIP GALVANIZED FASTENERS PER ASTM A153 SHALL BE USED WITH GALVANIZED CONNECTORS.

31. **WOOD FRAMING NOTES:** THE FOLLOWING APPLY UNLESS OTHERWISE NOTED ON THE DRAWINGS:

A. **ALL WOOD FRAMING DETAILS** SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE IBC. MINIMUM NAILING SHALL CONFORM TO IBC TABLE 2304.10.1 OR CURRENT ICC-ES REPORT NER-272. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. INSTALL WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. INSTALLATION OF LAG SCREWS SHALL CONFORM TO 2018 NDS SECTION 12.1.4, AND INSTALLATION OF BOLTS SHALL CONFORM TO 2018 NDS SECTION 12.1.3.

B. **WALL FRAMING:** TWO STUDS MINIMUM SHALL BE INSTALLED AT THE ENDS OF ALL WALLS, UNLESS OTHERWISE NOTED. INSTALL SOLID BLOCKING FOR WOOD COLUMNS THROUGH FLOOR SPACES TO SUPPORTS BELOW.

ALL STUD WALLS SHALL HAVE THEIR LOWER WOOD PLATES ATTACHED TO WOOD FRAMING BELOW WITH 16d NAILS AT 12"oc STAGGERED OR BOLTED TO CONCRETE WITH 5/8" DIAMETER ANCHOR BOLTS @ 4'-0"oc PER IBC SECTION 2308.6 (EMBED 7"), UNLESS OTHERWISE NOTED. 3" x 3" x 0.229" PLATE WASHERS SHALL BE USED WITH ALL SILL PLATE ANCHOR BOLTS AND INSTALLED PER AF&PA SDPWS-2015 SECTION 4.3.6.4.3. INDIVIDUAL MEMBERS OF BUILT-UP STUD POSTS SHALL BE NAILED TO EACH OTHER WITH 16d @ 12"oc STAGGERED.

C. **NAILING:** MINIMUM NAIL DIAMETER AND LENGTH SHALL BE AS FOLLOWS:

	NAIL SIZE ON DRAWINGS	DIAMETER AND LENGTH
SHEATHING NAILS	8d	0.131" x 2 1/4"
	10d	0.148" x 2 1/2"
FRAMING NAILS	10d	0.148" x 3"
	16d	0.148" x 3 1/4"

32. **ALL TIMBER FASTENERS** IN CONTACT WITH PRESSURE-TREATED WOOD THAT USES CHEMICALS OTHER THAN DOT SODIUM BORATE (SBX) WITHOUT NaSiO2, SHALL BE POST HOT DIP GALVANIZED PER ASTM A153.



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Bid Set

No.	Description	Date:

Project Title:

**Clyde Hill City Hall Office
Revisions**

CITY OF CLYDE HILL
9805 NE 24th St, Clyde Hill, WA 98004

Sheet Title:

GENERAL STRUCTURAL NOTES

Scale: 3/4" = 1'-0"

Project No.: S22026

Date: 06/09/2022

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S1.2

HVAC GENERAL NOTES

1. THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTING OR EVERY OFFSET, WHICH MAY BE REQUIRED. THE HVAC CONTRACTOR IS TO COORDINATE WITH ALL OTHER TRADES AND IS TO VERIFY ALL CLEARANCES BEFORE COMMENCING WORK.
2. MATERIALS, METHODS AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE INTERNATIONAL MECHANICAL CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE AND LOCAL CODES AND ORDINANCES.
3. DUCT CONSTRUCTION AND HANGING SHALL COMPLY WITH THE LATEST IMC AND WITH CURRENT SMACNA STANDARDS.
4. JOINTS OF DUCT SYSTEM SHALL BE SEALED WITH GASKETS OR LISTED MASTIC TYPE DUCT SEALANT.
5. DUCTS SHALL BE INSULATED AS INDICATED ON PLANS TO MEET THE REQUIREMENTS OF THE CURRENT INTERNATIONAL ENERGY CODE AND SPECIFICATION.
6. FLEXIBLE DUCTS SHALL ONLY BE USED WHERE SHOWN AND SHALL NOT EXCEED 6 FT IN LENGTH UNLESS NOTED OTHERWISE.
7. PROVIDE EARTHQUAKE RESTRAINT FOR HVAC EQUIPMENT IN ACCORDANCE WITH THE CURRENT IBC.
8. PIPING PENETRATIONS OF FIRE RATED WALLS OR FLOOR SHALL BE SLEEVED AND FIRE STOPPED WITH LISTED MATERIALS SO AS TO MAINTAIN THE INTEGRITY AND RATING OF THE FLOOR OR WALL.
9. PROVIDE RETURN DUCT SMOKE DETECTOR(S) FOR AUTOMATIC SHUT DOWN OF ALL HEATING OR COOLING EQUIPMENT DELIVERING IN EXCESS OF 2000 CFM IN ACCORDANCE WITH THE CURRENT INTERNATIONAL MECHANICAL CODE. POWER WIRING AND INTERLOCK WIRING WITH THE BUILDING FIRE ALARM SYSTEM IS BY THE ELECTRICAL CONTRACTOR.
10. HVAC EQUIPMENT, VALVES AND DAMPERS SHALL BE LOCATED IN EASILY ACCESSIBLE LOCATIONS, UNLESS SHOWN ON ARCHITECTURAL DRAWINGS. REQUIRED ACCESS PANELS SHALL BE PROVIDED BY THE HVAC CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR.
11. HVAC CONTRACTOR MUST COORDINATE WITH LIGHTING FIXTURES PRIOR TO DUCT AND PIPING INSTALLATION.

HVAC ENERGY CODE NOTES

1. SEE SCHEDULES FOR EQUIPMENT TYPE, CAPACITY AND EFFICIENCY. ALL EQUIPMENT SHALL MEET MINIMUM EFFICIENCY PER C403.3.2.
2. THERMOSTATIC CONTROLS IN THE SAME ZONE OR IN NEIGHBORING ZONES CONNECTED BY OPENINGS LARGER THAN 10% OF THE FLOOR AREA OF EITHER ZONE SHALL BE INTERLOCKED TO NOT ALLOW SIMULTANEOUS HEATING AND COOLING.
3. HEAT PUMPS WITH SUPPLEMENTARY ELECTRIC HEAT SHALL INCLUDE MICROPROCESSOR CONTROLS THAT MINIMIZE ELECTRIC HEAT USAGE DURING START-UP, SET-UP, AND DEFROST CONDITIONS. CONTROLS SHALL ANTICIPATE NEED FOR HEAT AND USE COMPRESSION HEATING AS THE FIRST STAGE. CONTROLS SHALL INDICATE WHEN ELECTRIC HEAT IS BEING USED THROUGH VISUAL MEANS. ELECTRIC HEAT SHALL NOT OPERATE ABOVE 40 F OUTSIDE AIR TEMPERATURE.
4. THERMOSTATIC CONTROLS SHALL BE CONFIGURED WITH AT LEAST A 5F DEADBAND BETWEEN HEATING AND COOLING SETPOINTS.
5. THERMOSTATS (OTHER THAN GROUP R) SHALL BE 7-DAY PROGRAMMABLE WITH AUTOMATIC SETBACK CONTROLS SET DOWN TO 55F AND UP TO 85F. CONTROLS SHALL MAINTAIN PROGRAMMING FOR AT LEAST 10 HOURS DURING LOSS OF POWER. CONTROLS SHALL HAVE A MANUAL 2 HR OVERRIDE FOR TEMPORARY OPERATION. CONTROLS SHALL ADJUST THE DAILY START TIME FOR MORNING WARMUP PRIOR TO SCHEDULED OCCUPANCY.
6. PROVIDE AMCA CLASS 1A MOTORIZED CONTROL DAMPERS FOR OUTSIDE AIR INTAKES, EXHAUST OUTLETS, RELIEF OPENINGS, STAIRWAY AND SHAFT VENTS AND RETURN SIDE OF AIRSIDE ECONOMIZERS.
7. AIR-COOLED UNITARY DIRECT-EXPANSION UNITS WITH A COOLING CAPACITY OF 54 MBH OR GREATER THAT ARE EQUIPPED WITH AN ECONOMIZER SHALL INCLUDE FAULT DETECTION AND DIAGNOSTICS (FDD).
8. PROVIDE GAS-FIRED HEATING EQUIPMENT WITH MODULATING OR STAGED COMBUSTION CONTROL FOR ALL EQUIPMENT OVER 225 MBH.
9. THERMOSTATS (GROUP R) SHALL BE 5-2 PROGRAMMABLE SCHEDULE WITH AT LEAST 2 SETBACK PERIODS PER DAY.
10. PROVIDE DUCT, SHAFT AND PLENUM INSULATION PER C403.2.8 AND SPECIFICATION SECTION 23 07 00.
11. SEAL ALL TRANSVERSE AND LONGITUDINAL SEAMS, JOINTS AND CONNECTIONS OF ALL DUCTWORK WITH WELDS, GASKETS OR MASTICS.
12. PROVIDE PIPE INSULATION PER ENERGY CODE SECTION C403.2.9 AND SPECIFICATION SECTION 23 07 00.
13. INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE, SUNLIGHT, MOISTURE AND WIND. PROVIDE JACKET AND ALUMINUM COVERS. ADHESIVE TAPE IS NOT PERMITTED.
14. SINGLE FAN OR MULTIPLE FANS IN PARALLEL WITH COMBINED MOTOR NAMEPLATE OVER 5HP SHALL HAVE A FAN EFFICIENCY GRADE (FEG) OF 67 OR HIGHER AND SHALL BE SELECTED TO OPERATE WITHIN 15% OF THE MAXIMUM TOTAL EFFICIENCY OF THE FAN.
15. COOLING SYSTEMS 65 MBH AND GREATER SHALL HAVE TWO SPEED FAN CONTROL OR MODULATING FAN CONTROL.
16. FAN AND PUMP MOTORS 7.5 HP AND GREATER SHALL BE PROVIDED WITH A VFD.
17. ECONOMIZERS SHALL BE INTEGRATED WITH MECHANICAL COOLING AND SHALL BE CAPABLE OF PROVIDING PARTIAL ECONOMIZER COOLING EVEN WHEN ADDITIONAL MECHANICAL COOLING IS REQUIRED.
18. AIR ECONOMIZERS SHALL HAVE FIXED DRY-BULB HIGH-LIMIT SHUTOFF CONTROL NOT TO EXCEED 75 DEG. F.
19. ALL ELECTRIC MOTORS SHALL MEET THE EFFICIENCY REQUIREMENTS OF TABLES C405.8(1) THROUGH C405.8(4).
20. FAN MOTORS 1/12 HP UP TO 1 HP SHALL BE ECM.
21. PROVIDE A MEANS OF BALANCING EVERY AIR INLET AND OUTLET AND EVERY AIR OR WATER TERMINAL DEVICE.
22. ALL PIPE AND DUCT INSULATION SHALL BE LABELLED WITH ITS THICKNESS AND INSULATING VALUE (R OR K).



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**Clyde Hill City Hall Office
Revisions**

CITY OF CLYDE HILL
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NOTES AND SCHEDULES

Sheet Title:

Scale: As indicated

Project No.: 22004

Date: 06/10/2022

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M1.2

SPLIT SYSTEM HEAT PUMP SCHEDULE

INDOOR UNIT															OUTDOOR UNIT										NOTES	
MARK	MAKE	MODEL	SUPPLY		COOLING			HEATING	ELECTRICAL		SOUND PRESS dBA	OP. WT. LBS.	MARK	MAKE	MODEL	COOLING		HEATING		ELECTRICAL		SOUND PRESS dbA	OP. WT. LBS.			
			TOTAL CFM	ESP W.C.	TOTAL MBH	SENS MBH	EAT DB / WB	OAT DB	HEATING MBH OUTPUT @ 24F OAT	VOLT / PH						MCA	TOTAL MBH	SEER	TOTAL MBH	HSPF AT 47 F	VOLT / PH			MCA		MOCP
HP-1	TRANE	NTXWPH06B112AA	380	N/A	6.0	5.8	75 / 62.5	75	13.8	208/230 / 1	1	42	40	CU-1	TRANE	NTXSPB06B112AA	6	33.1	6	12.5	208/230 / 1	10	15	49	100	1, 2, C A, B
HP-2	TRANE	NTXWPH06B112AA	380	N/A	6.0	5.8	75 / 62.5	75	13.8	208/230 / 1	1	42	40	CU-2	TRANE	NTXSPB06B112AA	6	33.1	6	12.5	208/230 / 1	10	15	49	100	1, 2, C A, B

NOTES:

1. MANUFACTURER'S DIGITAL CONTROL SYSTEM
2. CONTROL POWER SUPPLY UNIT
3. FACTORY FILTER BOX WITH MERV 8 FILTER
4. FACTORY HIGH EFFICIENCY FILTER

- A. MANUFACTURER'S WIRING INTERFACE AND DELUXE MA PROGRAMMABLE THERMOSTAT
- B. PROVIDE WITH BLUE DIAMOND CONDENSATE PUMP 208V/230V / 1PH
- C. ECONMIZER EXCEPTION PER C403.5
- D. DOOR SWITCH EXCEPTION PER C403.4.1.6

ELECTRICAL LEGEND

GENERAL ITEMS

	FLAG NOTE
	KEY NOTE
	MECHANICAL EQUIPMENT TAG
	EQUIPMENT TAG
	REVISION CLOUD
	REVISION DELTA
	DETAIL/ PLAN SHEET IDENTIFIER
	NORTH ARROW
	SECTION IDENTIFIER
	ELEVATION IDENTIFIER
	SYMBOLS SHOWN ON PLANS IN STANDARD (HEAVY) LINE WEIGHT ARE NEW OR RELOCATED WORK.
	SYMBOLS SHOWN IN LIGHT LINE WEIGHT OR DESIGNATED WITH (E) INDICATE EXISTING TO REMAIN.
	SYMBOLS SHOWN AS DASHED INDICATE ITEMS TO BE REMOVED OR DEMOLISHED.
	EXISTING WORK TO BE DEMOLISHED/ REMOVED
	EXISTING WORK TO REMAIN
	NEW WORK
	MATCHLINE
	ENLARGED PLAN BOUNDARY

BOXES, CIRCUITING AND RACEWAYS

	CONDUIT CONCEALED IN CEILING OR WALL
	CONDUIT CONCEALED UNDER FLOOR OR UNDERGROUND
	CONDUIT HOME-RUN
	CONDUCTORS IN CONDUIT PHASE CONDUCTOR(S) NEUTRAL CONDUCTOR GROUND CONDUCTOR
	FIRE STOP SLEEVE
	CONDUIT WITH BELL END
	CONDUIT WITH VERTICAL TRANSITION
	CONDUIT SLEEVE WITH BUSHING
	CONDUIT STUB WITH BUSHING
	CONDUIT BREAK
	CONDUIT CONTINUATION
	CABLE TRAY, OVERHEAD MESH TYPE
	CABLE TRAY, OVERHEAD LADDER TYPE
	PULL BOX (WHERE INDICATED ON DRAWINGS, SUBSCRIPT INDICATES TYPE)
	HANDHOLE (WHERE INDICATED ON DRAWINGS, SUBSCRIPT INDICATES TYPE)
	UTILITY VAULT (WHERE INDICATED ON DRAWINGS, SUBSCRIPT INDICATES TYPE)
	FLOORBOX (WHERE INDICATED ON DRAWINGS, SUBSCRIPT INDICATES TYPE)
	POKE-THRU (WHERE INDICATED ON DRAWINGS, SUBSCRIPT INDICATES TYPE)
	POWER POLE, FLOOR TO CEILING
	SURFACE METAL RACEWAY

GROUNDING

	GROUND ROD
	GROUNDING BUSBAR (TGB 10")
	GROUNDING BUSBAR (TMGB 20")
	EQUIPMENT GROUNDING CONNECTION
	GROUNDING STRAP

POWER & EQUIPMENT CONNECTIONS

	CIRCUIT BREAKER PANELBOARD
	LOAD CENTER
	LIGHTING CONTROL PANEL
	TERMINAL CABINET
	SWITCHBOARD OR MOTOR CONTROL CENTER (SIZE AS SHOWN ON PLANS)
	DRY TYPE TRANSFORMER (SEE NOTES & RISER DIAGRAM FOR SIZE)
	TRANSFER SWITCH
	UTILITY TRANSFORMER
	METER
	EQUIPMENT CONNECTION
	WALL MOUNTED EQUIPMENT CONNECTION
	MOTOR CONNECTION
	FAN CONNECTION
	ELECTRIC WALL HEATER CONTROLLED BY WALL MOUNTED THERMOSTAT
	ELECTRIC WALL HEATER WITH INTEGRAL THERMOSTAT
	ELECTRIC UNIT HEATER
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
	COMBINATION STARTER AND DISCONNECT
	ENCLOSED CIRCUIT BREAKER
	VARIABLE FREQUENCY DRIVE
	HAND/OFF/AUTO SWITCH
	START-STOP PUSHBUTTON SWITCH
	PUSHBUTTON SWITCH
	MOTOR RATED SWITCH
	WALL MOUNTED THERMOSTAT
	ELECTRIC BASEBOARD HEATER (LENGTH & WATTAGE ON PLAN)
	HEAT LAMP
	EXHAUST FAN/HEAT LAMP COMBINATION
	EXHAUST FAN/LIGHT COMBINATION
	CEILING / PADDLE FAN
	EMERGENCY POWER OFF PUSHBUTTON

RECEPTACLES & OUTLETS

	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE (T = TAMPER RESISTANT)
	DOUBLE DUPLEX RECEPTACLE
	DUPLEX GFCI RECEPTACLE (WP = WEATHERPROOF WHILSAUSE COVER)
	DOUBLE DUPLEX GFCI RECEPTACLE
	DUPLEX RECEPTACLE MOUNTED IN CEILING
	DOUBLE DUPLEX RECEPTACLE MOUNTED IN CEILING
	DUPLEX RECEPTACLE (MOUNTED +4"O.C. ABOVE COUNTER OR BACKSPASH) (U.O.N.)
	DOUBLE DUPLEX RECEPTACLE (MOUNTED +4"O.C. ABOVE COUNTER OR BACKSPASH) (U.O.N.)
	DUPLEX GFCI RECEPTACLE (MOUNTED +4"O.C. ABOVE COUNTER OR BACKSPASH) (U.O.N.)
	DOUBLE DUPLEX GFCI RECEPTACLE (MOUNTED +4"O.C. ABOVE COUNTER OR BACKSPASH) (U.O.N.)
	DUPLEX RECEPTACLE MOUNTED HORIZONTALLY
	SWITCHED DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE WITH 1/2 SWITCHED
	SINGLE SPECIAL PURPOSE RECEPTACLE
	JUNCTION BOX WITH BLANK COVER
	JUNCTION BOX WITH BLANK COVER, WALL MOUNT (F = FURNITURE FEED)
	DOORBELL

ELECTRICAL ONE-LINE DIAGRAM

	EQUIPMENT ENCLOSURE
	BUS BAR
	WIRE
	LUG
	CONNECTION
	WYE
	DELTA
	GROUND
	CURRENT TRANSFORMER
	CIRCUIT BREAKER
	CIRCUIT BREAKER, DRAW OUT
	FUSED SWITCH
	FUSE
	METERING DEVICE A = AMMETER M = METER V = VOLTMETER W = WATT HOUR METER
	GENERATOR
	MOTOR CONNECTION
	GROUND FAULT PROTECTION
	SHUNT TRIP
	AVAILABLE FAULT CURRENT TAG
	FEEDER TAG
	SURGE PROTECTIVE DEVICE
	TRANSFER SWITCH
	ENCLOSED CIRCUIT BREAKER
	ENCLOSED DISCONNECT SWITCH
	ENCLOSED DISCONNECT SWITCH, FUSED
	TRANSFORMER
	PANELBOARD, MAIN LUGS ONLY
	PANELBOARD, CIRCUIT BREAKER
	PANELBOARD, MAIN LUGS ONLY WITH CIRCUIT BREAKER OFF MAIN BUS
	METER CENTER (ENCLOSURE SIZED AS REQUIRED)

LIGHT FIXTURES AND CONTROLS

NOTE: LIGHTING FIXTURE SYMBOLS SHOW LENGTH, MOUNTING & EMERGENCY EGRESS INFORMATION ONLY. REFER TO FIXTURE DESIGNATIONS & LIGHTING FIXTURE SCHEDULE FOR LAMP TYPE & OTHER FIXTURE SPECIFICS.	
	SURFACE MOUNTED DOWNLIGHT (ROUND / SQUARE)
	RECESSED DOWNLIGHT (ROUND / SQUARE)
	PENDANT MOUNTED FIXTURE OR CHANDELIER
	SINGLE POINT SOURCE WALL MOUNTED FIXTURE
	WALL SCONCE
	WALL MOUNTED LONG ARM FIXTURE
	SURFACE MOUNTED LINEAR FIXTURE
	RECESSED LINEAR FIXTURE
	PENDANT MOUNTED LINEAR FIXTURE
	SURFACE MOUNTED LINEAR FIXTURE (NARROW BODY)
	LINEAR STRIP FIXTURE
	LINEAR INDUSTRIAL STRIP FIXTURE
	WALL MOUNTED LINEAR FIXTURE
	WALL MOUNTED STRIP FIXTURE
	WALL MOUNTED INDUSTRIAL LINEAR FIXTURE
	RECESSED LINEAR WALLWASHER
	LINEAR UNDERCABINET FIXTURE
	LED COVE OR UNDERCABINET LIGHT (LENGTH AS SHOWN ON PLAN, TRANSFORMER(S) SHOWN AS REQUIRED)
	TRACK LIGHT (LENGTH AS SHOWN ON PLAN)
	RECESSED LINEAR FIXTURE, 2' x 4'
	RECESSED WALLWASHER
	FLOODLIGHT OR MONOPOINT
	SURFACE LINEAR EMERGENCY EGRESS FIXTURE
	RECESSED LINEAR EMERGENCY EGRESS FIXTURE
	2x4' FIXTURE SPLIT BETWEEN NORMAL & EMERGENCY EGRESS WITH UL924 RELAY (DUAL CIRCUITS SHOWN ON PLANS)
	RECESSED EMERGENCY EGRESS DOWNLIGHT (ROUND / SQUARE)
	SURFACE EMERGENCY EGRESS DOWNLIGHT (ROUND / SQUARE)
	FLOODLIGHT, MONOPOINT OR TRACK HEAD EGRESS
	EGRESS COVE LIGHT OR STRIP
	UNIVERSAL/CEILING MOUNTED EXIT SIGN
	WALL MOUNTED EXIT SIGN
	DIRECTIONAL EXIT SIGN (ARROWS INDICATE ONE OR TWO SIDES AND DIRECTION INDICATED)
	EMERGENCY EXIT SIGN WITH DUAL PATHWAY HEADS
	DUAL HEAD EMERGENCY EGRESS FIXTURE
	POLE MOUNTED LIGHT FIXTURE
	DUAL HEAD, POLE MOUNTED LIGHT FIXTURE
	POST TOP LIGHT FIXTURE
	RECESSED STEP LIGHT FIXTURE
	RECESSED DIRECT BURIAL FLOODLIGHT
	DOCK LIGHT FIXTURE, WALL MOUNTED
	OCCUPANCY SENSOR, CEILING MOUNTED
	OCCUPANCY SENSOR, WALL MOUNTED
	PHOTOCELL LIGHT SENSOR
	VACANCY SENSOR
	COMBINATION VACANCY/ PHOTOCCELL SENSOR
	SENSOR POWER PACK

SWITCHES

	SWITCH, SPST AND/ OR AS INDICATED BY SUBSCRIPT a = SWITCH LEG 3 = THREE-WAY 4 = FOUR-WAY K = KEYED D = DIMMER OS = OCCUPANCY SENSOR VS = VACANCY SENSOR
	T = TIMER
	RM = RELAY
	P = PILOT LIGHT
	LV = LOW VOLTAGE
	LVP = LOW VOLTAGE PROGRAMMABLE
	SM = SENSOR ZONE
(a,b,c) USED TO INDICATE MULTIPLE SWITCHES	
SWITCH COMBINATION EXAMPLE (4K = FOUR-WAY KEYED SWITCH).	

FIRE ALARM SYSTEM

	MANUAL PULL STATION
	HORN / STROBE, WALL MOUNTED
	HORN / STROBE, CEILING MOUNTED
	STROBE ONLY, WALL MOUNTED
	STROBE ONLY, CEILING MOUNTED
	SMOKE DETECTOR
	HEAT DETECTOR
	DUCT SMOKE DETECTOR
	MAGNETIC DOOR HOLDER
	TAMPER SWITCH
	FLOW SWITCH
	HI/LOW PRESSURE SWITCH
	BEAM SMOKE DETECTOR TRANSMITTER
	BEAM SMOKE DETECTOR RECEIVER
	FIRE/SMOKE DAMPER
	FIRE ALARM CONTROL PANEL

TELECOMMUNICATIONS SYSTEM

	TELECOMMUNICATIONS DEVICE OUTLET (# = QUANTITY OF TELECOMMUNICATIONS MODULES/ JACKS) (B = BLANK COVER PLATE) (W = WALL PHONE PLATE AT +44" AFF)
	TELECOMMUNICATIONS DEVICE OUTLET- ABOVE CEILING (# = QUANTITY OF TELECOMMUNICATIONS MODULES/ JACKS) (CAM = IP CAMERA DEVICE) (WAP = WIRELESS ACCESS POINT DEVICE)
	FIRE RESISTANT 3/4" PLYWOOD BACKBOARD
	19" TWO-POST FLOOR MOUNTED EQUIPMENT RACK
	6" DOUBLE-SIDED VERTICAL CABLE MANAGER
	110-BLOCK WITH LEGS, WALL MOUNTED
	66-BLOCK, WALL MOUNTED

TELEVISION DISTRIBUTION SYSTEM

	CATV OUTLET, WALL MOUNTED
	HDMI PLATE, WALL MOUNTED

DRAWING INDEX

E0.1	ELECTRICAL LEGEND AND DRAWING INDEX
E0.2	ELECTRICAL ABBREVIATIONS AND GENERAL NOTES
E0.3	NREC
E2.1	POWER / COMM PLAN
E3.1	LIGHTING PLAN
E7.1	FIRE ALARM PLAN
E8.1	ELECTRICAL AND TELECOM DETAILS
E9.1	ONLINE DIAGRAM AND PANEL SCHEDULES

ACCESS CONTROL SYSTEM

	ACCESS CONTROL PANEL
	SECURITY DEVICE, WALL MOUNTED (AO = AUTO OPERATOR) (BR = BIOMETRIC READER) (CR = CARD READER) (CRM = MULLION CARD READER) (CRK = CARD READER WITH KEYPAD) (EDR = EMERGENCY DOOR RELEASE) (LD = LOCKDOWN BUTTON) (KS = KEYED SWITCH) (PB = PANIC BUTTON) (RX = REQUEST TO EXIT BUTTON)
	REQUEST TO EXIT DETECTOR, INTEGRAL MICRO SWITCH
	DOOR POSITION SWITCH/ SECURITY CONTACT
	POWER SUPPLY, DOOR HARDWARE
	EMERGENCY CALL BOX
	DOOR HARDWARE (BY DIV.08, CONNECTION BY DIV.28) (EL = ELECTRIFIED LOCKSET/ EXIT DEVICE) (ES = ELECTRIFIED STRIKE) (ML = ELECTRIFIED MAGNETIC LOCK) (MH = ELECTRIFIED MAGNETIC HOLD OPEN)

SECURITY VIDEO SYSTEM

	CAMERA, WALL MOUNT
	CAMERA, CEILING MOUNT
	MULTI-LENS CAMERA, WALL OR POLE MOUNT
	MULTI-LENS CAMERA, CEILING MOUNT

NOT ALL SYMBOLS MAY APPEAR IN THE DRAWINGS

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STATE OF WASHINGTON
9/16/2022
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REGISTERED
PROFESSIONAL ENGINEER

PERMIT SET

No.	Description	Date:

Project Title: _____
Sheet Title: _____
Clyde Hill City Hall Office Revisions
CITY OF CLYDE HILL
9605 NE 24th St, Clyde Hill, WA 98004

Sheet Title: _____
ELECTRICAL LEGEND AND DRAWING INDEX
Scale: NOTED
Project No.: 16-32
Date: 09/20/2022
Sheet Number: _____

E0.1

ELECTRICAL LEGEND

ABBREVIATIONS					
A (200A)	AMPERE; AMPS (AFTER VALUE)	KVA	KILOVOLT AMPERE	TBB	TELECOMMUNICATIONS BONDING BACKBONE
AC	AIR CONDITIONING; ALTERNATING CURRENT; ABOVE COUNTER	KW	KILOWATT	TBD	TO BE DETERMINED
AF	AMP FUSE	KCMIL	THOUSAND CIRCULAR MILS	TEL	TELEPHONE
AFF	ABOVE FINISHED FLOOR	KVAR	KILOVOLT AMPERE REACTIVE	TELCO	TELEPHONE COMPANY
AG	ABOVE GRADE	LAN	LOCAL AREA NETWORK	TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
AHJ	AUTHORITIES HAVING JURISDICTION	LCP	LIGHTING CONTROL PANEL	TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
AHU	AIR HANDLING UNIT	LEC	LOCAL EXCHANGE CARRIER	TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
AIC	AMPERE INTERRUPTING CURRENT	LT(S)	LIGHT(S)	TP	TAMPERPROOF
AL	ALUMINUM	LTG	LIGHTING	TR	TELECOMMUNICATIONS ROOM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	LV	LOW VOLTAGE	TTB	TELEPHONE TERMINAL BOARD
AS	AMP SWITCH	M	METER	TV	TELEVISION
AT	AMP TRIP	MAN	METROPOLITAN AREA NETWORK	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION TYPICAL
ATS	AUTOMATIC TRANSFER SWITCH	MAX	MAXIMUM	UC	UNDER COUNTER
ATM	ASYNCHRONOUS TRANSFER MODE	MC	MAIN CROSS CONNECT; METAL CLAD (CABLE)	UG	UNDERGROUND
AV	AUDIO VISUAL	MCC	MOTOR CONTROL CENTER	UL	UNDERWRITERS LABORATORIES
AWG	AMERICAN WIRE GAUGE	MDF	MAIN DISTRIBUTION FRAME	UON	UNLESS OTHERWISE NOTED
		MDP	MAIN DISTRIBUTION PANEL	UPS	UNINTERRUPTIBLE POWER SUPPLY
BAS	BUILDING AUTOMATION SYSTEM	MECH	MECHANICAL	USB	UNIVERSAL SERIAL BUS
BATT	BATTERIES	MFR	MANUFACTURER	UTIL	UTILITY
BKBD	BACKBOARD	MH	MANHOLE	UTP	UNSHIELDED TWISTED PAIR
BIL	BASIC IMPULSE INSULATION LEVEL	MIN	MINIMUM	UV	UTILITY VAULT; UNIT VENTILATOR
BKR	BREAKER	MLO	MAIN LUGS ONLY	V	VOLTS
BLDG	BUILDING	MM	MULTIMODE	VA	VOLT AMPERES
		MPOE	MAIN POINT OF ENTRY	VFD	VARIABLE FREQUENCY DRIVE
C	CONDUIT; DEGREES CELSIUS	MPOP	MAIN POINT OF PRESENCE	VS	VACANCY SENSOR
CAB	CABINET	MTD	MOUNTED	W	WATT; WIRE
CAT	CATEGORY	MTS	MANUAL TRANSFER SWITCH	WI	WITH
CATV	COMMUNITY ANTENNA TELEVISION	N	NEUTRAL	W/O	WITHOUT
CB	CIRCUIT BREAKER	(N)	NEW	W/D	WASHER/ DRYER
CB	CIRCUIT BREAKER	NAC	NOTIFICATION APPLIANCE CIRCUIT	WA	WORKSTATION AREA
CCTV	CLOSED CIRCUIT TELEVISION	NEC	NATIONAL ELECTRICAL CODE	WAN	WIDE AREA NETWORK
CL	CENTERLINE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	WAP	WIRELESS ACCESS POINT
CLG	CEILING	NF	NON-FUSED	WC	WATER COOLER
CM	CEILING-MOUNTED	NIC	NOT IN CONTRACT	WG	WIRE GUARD
CO	CONDUIT ONLY	NL	NIGHT LIGHT	WH	WATT HOUR METER
COW	COMPUTER ON WHEELS	NREC	NON-RESIDENTIAL ENERGY CODE	WP	WEATHERPROOF
CR	CONTROLLED RECEPTACLE	OC	ON CENTER	XMFR	TRANSFORMER
CRP	CONTROL RELAY PANEL	OFC	OPTICAL FIBER CABLE	Y	WYE
CT	CURRENT TRANSFORMER	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	Z	IMPEDANCE
CU	COPPER	OH	OVERHEAD		
		OHL	OVERHEAD LINE		
DDC	DIRECT DIGITAL CONTROL	OL	OVERLOAD		
DEMARC	DEMARICATION POINT	OS	OCCUPANCY SENSOR		
DF	DRINKING FOUNTAIN	OSP	OUTSIDE PLANT		
DIA	DIAMETER	P	POLE		
DISC	DISCONNECT	PBX	PRIVATE BRANCH EXCHANGE		
DISP	DISPOSAL	PC	PHOTOCELL		
DIST	DISTRIBUTION	PF	POWER FACTOR		
DSL	DIGITAL SUBSCRIBER LINE	PH	PHASE		
DW	DISHWASHER	PIR	PASSIVE INFRARED		
DWG	DRAWING	PIV	POST INDICATOR VALVE		
		PNL	PANEL		
(E)	EXISTING	POS	POINT OF SALE		
EA	EACH	PP	PATCH PANEL		
EC	ELECTRICAL CONTRACTOR	PSE	PUGET SOUND ENERGY		
ECB	ENCLOSED CIRCUIT BREAKER	PT	POTENTIAL TRANSFORMER		
EF	EXHAUST FAN	PUD	PUBLIC UTILITY DISTRICT		
EIA	ELECTRONIC INDUSTRIES ASSOCIATION	PV	PHOTO VOLTAGE		
ELEV	ELEVATION	PVC	POLYVINYL CHLORIDE		
EM	EMERGENCY	(R)	RELOCATED EXISTING		
EMT	ELECTRICAL METALLIC TUBING	RCP	REFLECTED CEILING PLAN		
ENCL	ENCLOSURE	REC	RECEPTACLE		
EPM	ELECTRONIC POWER METER	REF	REFER TO; REFRIGERATOR		
EPO	EMERGENCY POWER OFF	REV	REVISION		
EQUIP	EQUIPMENT	RM	ROOM		
ETR	EXISTING TO REMAIN	RQMTS	REQUIREMENTS		
EV	ELECTRIC VEHICLE (CHARGER LOCATION)	RU	RACK UNIT		
EWC	ELECTRIC WATER COOLER	SAN	STORAGE AREA NETWORK		
		SHT	SHEET		
F	FUSE; DEGREES FAHRENHEIT	SLC	SIGNALING LINE CIRCUIT		
FA	FIRE ALARM	SM	SINGLEMODE		
FAAP	FIRE ALARM ANNUNCIATOR PANEL	SMFC	SURFACE-MOUNTED OPTICAL FIBER CABINET		
FACP	FIRE ALARM CONTROL PANEL	SMR	SURFACE METAL RACEWAY		
FBO	FURNISHED BY OWNER; FURNISHED BY OTHERS	SONET	SYNCHRONOUS OPTICAL NETWORK		
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR	SP	SERVICE PROVIDER		
FSD	FIRE SMOKE DAMPER	SPD	SURGE PROTECTIVE DEVICE		
FUT	FUTURE	SPEC	SPECIFICATIONS		
		SPST	SINGLE POLE SINGLE THROW		
G	GROUND	SQ	SQUARE		
GEN	GENERATOR	ST	SHUNT TRIP		
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	STP	SHIELDED TWISTED PAIR		
GFP	GROUND FAULT PROTECTION	SVGA	SUPER VIDEO GRAPHICS ARRAY		
GND	GROUND	SW	SWITCH		
GRS	GALVANIZED RIGID STEEL	SWBD	SWITCHBOARD		
HC	HORIZONTAL CROSS-CONNECT				
HH	HANDHOLE				
HID	HIGH INTENSITY DISCHARGE				
HOA	HAND-OFF-AUTO				
HP	HORSEPOWER				
HTR	HEATER				
HWT	HOT WATER TANK				
HZ	HERTZ				
IC	INTERMEDIATE CROSS CONNECT				
IBC	INTERNATIONAL BUILDING CODE				
IDF	INTERMEDIATE DISTRIBUTION FRAME				
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS				
IG	ISOLATED GROUND				
IMC	INTERMEDIATE METALLIC CONDUIT				
ISDN	INTEGRATED SERVICES DIGITAL NETWORK				
J	JUNCTION				

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE NATIONAL AND STATE CODES AS REQUIRED AND ENFORCED BY THE AHJ.
- CONTRACTOR SHALL ACQUIRE AND PAY FOR ALL PERMITS REQUIRED FOR INSTALLATION OF WORK. REQUIRED INSPECTIONS SHALL BE ARRANGED BY THE CONTRACTOR.
- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY SERVICE PROVIDERS FOR THE PROJECT. INSTALLATION OF UTILITY SERVICES SHALL BE IN ACCORDANCE AND CONFIRMED WITH THE UTILITY COMPANY REQUIREMENTS. PROVIDE AN ELECTRICAL DRAWING SUBMITTAL TO UTILITY SERVICE PROVIDER FOR APPROVAL PRIOR TO ROUGH-IN AND ORDERING MATERIAL AND EQUIPMENT.
- DRAWINGS ARE DIAGRAMMATIC. PROVIDE MATERIALS AND COMPONENTS AS REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM WHETHER OR NOT SPECIFICALLY SHOWN ON THE DRAWINGS.
- DEVICE LOCATIONS ARE AN APPROXIMATION. COORDINATE DEVICE LOCATIONS AND ELEVATIONS WITH THE PROJECT DOCUMENTS INCLUDING, BUT NOT LIMITED TO CASEWORK SHOP DRAWINGS AND THE ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
- COORDINATE ELECTRICAL AND TELECOMMUNICATIONS WORK WITH WORK OF OTHER TRADES. REFERENCE THE MECHANICAL, ARCHITECTURAL, STRUCTURAL, CIVIL, AND LANDSCAPE DRAWINGS AND SPECIFICATIONS. COORDINATION SHALL OCCUR PRIOR TO ORDERING OF MATERIALS AND INSTALLATION OF WORK.
- COORDINATE LOCATION OF LIGHT FIXTURES AND CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLANS AND ELEVATIONS.
- ALL LIGHT FIXTURES PENETRATING A RATED CEILING SHALL BE PROVIDED WITH A RATED ENCLOSURE AROUND THE FIXTURE. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- SEE THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXPANSION OR SEISMIC JOINT LOCATIONS. CONTRACTOR SHALL PROVIDE CONDUIT/RACEWAY EXPANSION OR SEISMIC JOINTS IN LOCATIONS WHERE CONDUITS/RACEWAYS CROSS BUILDING EXPANSION OR SEISMIC JOINTS.
- WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE PROJECT SCHEDULE. INSTALLATION SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND ALL OTHER TRADES AT THE PROJECT SITE TO ENSURE PROJECT SCHEDULE MILESTONES ARE COMPLETED AS INDICATED.
- THE ELECTRICAL AND LOW VOLTAGE SYSTEM DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW EVERY PATHWAY, RACEWAY, BOX, CONDUCTOR, CABLE OR SIMILAR ITEMS FOR A COMPLETE INSTALLATION. PROVIDE ALL REQUIRED MATERIAL AND LABOR FOR COMPLETE AND OPERATIONAL ELECTRICAL AND LOW VOLTAGE SYSTEMS.
- BRANCH CIRCUIT HOMERUNS ARE PROVIDED TO INDICATE CIRCUITS AND CONFIGURATION. SINGLE CIRCUIT HOMERUNS SERVED FROM THE SAME PANEL CAN BE COMBINED PER THE PROVIDED DIVISION 26 SPECIFICATIONS, UNLESS OTHERWISE NOTED. BRANCH CIRCUIT RACEWAY AND WIRING SHALL BE PROVIDED FROM THE HOMERUN TO DEVICES AND EQUIPMENT WITH CIRCUIT NUMBERS AS INDICATED ON THE DRAWINGS. CONDUCTOR QUANTITIES AND SIZES ARE NOTED AT HOMERUNS. RECORD DRAWINGS SHALL IDENTIFY THE INSTALLED RACEWAY ROUTING AND CIRCUITING. BRANCH CIRCUIT MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG.
- LIGHT FIXTURES MOUNTED IN CONTINUOUS ROWS SHALL BE THROUGH-WIRED VIA FIXTURE INTERNAL WIREWAYS. CIRCUITS AS INDICATED ON DRAWINGS. FIXTURES NOT LISTED FOR THROUGH WIRING SHALL BE WIRED VIA SEPARATE RACEWAY AND WIRING SYSTEM EXTERNAL TO THE FIXTURES. PROVIDE RACEWAYS, WIRING AND CONNECTIONS, AS REQUIRED, FOR A COMPLETE AND OPERATIONAL SYSTEM.
- TELECOMMUNICATIONS AND LOW VOLTAGE CABLING INSTALLATIONS SHALL BE CONCEALED IN WALLS, CEILINGS, AND BELOW RAISED FLOOR SPACES (WHERE APPLICABLE) UNLESS OTHERWISE NOTED ON THE DRAWINGS. CABLING IN ACCESSIBLE CEILING SPACES SHALL BE INSTALLED AS OPEN CABLING ON J-HOOKS OR INDICATED SUPPORTING METHOD NEAR STRUCTURES AND WALLS OR AS NOTED ON DRAWINGS. SEE PROJECT SPECIFICATIONS FOR CABLE SUPPORT REQUIREMENTS.
- PROVIDE FIRE-STOPPING MATERIALS OR DEVICES FOR CONDUIT AND/OR RACEWAY SYSTEMS AT SLEEVED PENETRATIONS IN FIRE-RATED CONSTRUCTION ASSEMBLIES FOR HORIZONTAL AND INTRABUILDING CABLING PATHWAYS AND SPACES.
- SEE TELECOMMUNICATIONS SPECIFICATION FOR BACKBONE CABLE IDENTIFICATION REQUIREMENTS CONSISTING OF A COPPER AND FIBER CABLE MARKER TAG PROVISIONS IN PULL BOXES, ENTRANCE POINTS, RISER ROOMS, TELECOMMUNICATION ROOMS, VAULTS AND AT THE POINT OF TERMINATION SUCH AS A SERVICE ENTRANCE PROTECTION BLOCK, 110-FIELD, SURFACE MOUNT FIBER CABINET OR RACK MOUNT FIBER CABINET.
- TELECOMMUNICATIONS CABLING SHALL MAINTAIN A MINIMUM SPACING OF 12" FROM ELECTRICAL FEEDERS AND BRANCH CIRCUIT WIRING AND 12" FROM AUXILIARY SYSTEM CABLING.
- TELECOMMUNICATIONS OPEN CABLING SHALL BE PROVIDED WITH A 6-0" MINIMUM SPACING FROM ELECTRICAL APPARATUS SUCH AS MOTOR DRIVEN EQUIPMENT AND TRANSFORMERS. EXCEPTION: BUILDING CONSTRUCTION THAT RESULTS IN CONTINUOUS METALLIC BARRIER BETWEEN ELECTRICAL APPARATUS AND CABLE PATHWAYS.
- PRIOR TO STARTING TELECOMMUNICATIONS AND LOW VOLTAGE SYSTEM INSTALLATION, INSPECT THE ELECTRICAL ROUGH-IN AND INSTALLED WORK OF OTHER TRADES AND VERIFY WORK IS COMPLETE TO THE POINT WHERE TELECOMMUNICATIONS AND LOW VOLTAGE SYSTEM INSTALLATION CAN PROPERLY PROCEED. NOTIFY THE ARCHITECT AND ENGINEER OF UNSATISFACTORY CONDITIONS RELATED TO THE COMPLETION OF THE WORK.
- DO NOT BEGIN TELECOMMUNICATIONS AND LOW VOLTAGE SYSTEM INSTALLATION UNTIL ALL UNSATISFACTORY CONDITIONS HAVE BEEN ADDRESSED AND RESOLVED. PROCEEDING WITH INSTALLATION OF THE TELECOMMUNICATIONS AND LOW VOLTAGE SYSTEMS CONSTITUTES ACCEPTANCE OF CONDITIONS AS SATISFACTORY.
- PROVIDE ROUTING OF TELECOMMUNICATIONS SYSTEM HORIZONTAL COPPER UTP TO THEIR ASSIGNED CROSS-CONNECT PER THE IDENTIFICATION LABEL PROVIDED AT EACH TELECOMMUNICATIONS DEVICE ON THE PROJECT DRAWINGS OR CONTRACTOR SHOP DRAWINGS. PROVIDE TERMINATION OF THE HORIZONTAL COPPER CABLING ON 24-PORT AND/ OR 48-PORT PATCH PANELS, UNLESS OTHERWISE NOTED.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CONDUIT, OUTLET BOXES, JUNCTION BOXES, PULL BOXES, RACEWAY SYSTEMS, ETC. FOR ALL TELECOMMUNICATIONS AND LOW VOLTAGE SYSTEMS PER THE SCOPE OF WORK INDICATED ON THE BID DRAWINGS AND SPECIFICATIONS.

ENERGY CODE NOTES

- LIGHTING CONTROL SYSTEMS COMMISSIONING AND COMPLETION REQUIREMENTS: TEST SYSTEMS TO ENSURE THAT BUILDING SYSTEMS HAVE BEEN INSTALLED AND FUNCTION PROPERLY, EFFICIENTLY AND CAN BE MAINTAINED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND OPERATIONAL REQUIREMENTS PER ENERGY CODE ENFORCED BY THE AHJ. REFER TO SPECIFICATION SECTION 26 08 00 FOR ADDITIONAL COMMISSIONING REQUIREMENTS.

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No.	Description	Date:

Project Title:
Clyde Hill City Hall Office Revisions
CITY OF CLYDE HILL
9605 NE 24th St, Clyde Hill, WA 98004

Sheet Title:
ELECTRICAL ABBREVIATIONS AND GENERAL NOTES
Scale: NOTED
Project No.: 16-32
Date: 09/20/2022
Sheet Number:

Firefox https://waenergycodes.com/print_project_summary_form.php?k=Y29tcGxpYW5jZV9lZXR0.

General Space Type	Specific Space Type	Ceiling Height (Ft)	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 1)	Total Proposed Watts (LPD + Display LPD)	Compliance Status
Office	Enclosed less than 250 sf		137	0.74	101	66	
Totals					101	66	COMPLIES

Proposed Lighting Power Density						
Fixture Type	Fixture ID	Quantity of Fixtures (QF)	Watts or Wattage Limit per Fixture (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (QF x WpF) or (LF x WpLF)
Individual Fixtures	Troffer	F2	33			66
				Proposed Total LPD		
				66		

Project Title	Clyde Hill City Hall - Office Remodel - 2018 WSEC	Date	May 18, 2022	
Proposed Fixtures Details				
CHANGE IN OCCUPANCY - INTERIOR LIGHTING				
Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type	New or Existing-to-Remain
Individual Fixtures	Troffer	F2	LED	New
Fixture Description:		Are these fixtures located within a daylight zone?:		
Do these fixtures require specific application lighting controls?:				

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LIGHTING COMPLIANCE SUMMARY

2018 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1 Administered by: ©2022 NECA, All rights reserved

Project & Applicant Information	Project Title Clyde Hill City Hall - Office Remodel - 2018 WSEC	For Building Department Use:	Date: May 18, 2022
	Project Address 9605 NE 24th St Clyde Hill, WA 98004		
	Applicant Name Sarah Elley		
	Applicant Phone 206-522-3830		
	Applicant Email sarah@case-ne.com		

For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com

General Occupancy	All Commercial	General Building Use Type	Public Services, Other	Building Cond. Floor Area	6,627
General Project Types	Building Addition Alteration Change in Occupancy (Group F, S or U converted to another commercial occupancy)	New Building or Addition Lighting Scope	Interior Lighting	Project Cond. Floor Area	6,627
		Alteration Lighting Scope	Interior Lighting	Fixtures Above Grade	1
				Compliance Method	Compliance Method 1 - General

Lighting Project Description New LED lighting and controls in reconfigured spaces and existing offices. LED replacement fixtures in hallway with no new controls. LED lighting in council room with existing controls.

Lighting Compliance Scope and Method	Project Type	Interior / Exterior (Interior includes both interior & parking)	Luminaire Replacement Scope	Compliance Method	LPA Calculation Adjustment	Compliance Verification
Additional Efficacy Options Included	Alteration	Interior Lighting	50% or more replaced	Space by space	No Calculation Adjustments allowed	COMPLIES
	Building Addition	Interior Lighting		Building area	No Calculation Adjustments selected	COMPLIES
	Change in Occupancy	Interior Lighting		Space by space	No Calculation Adjustments selected	COMPLIES

Project Title	Clyde Hill City Hall - Office Remodel - 2018 WSEC	Date	May 18, 2022
Lighting Power Calculation	ALTERATION - INTERIOR LIGHTING (50% or more replaced)	Compliance Verification	COMPLIES
Compliance Method	Space by space	LPA Calculation Adjustment	none

Interior Lighting Power Allowance - Space by Space						
General Space Type	Specific Space Type	Ceiling Height (Ft)	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 1)	Compliance Status
Conference/meeting/multipurpose			685	0.97	664	
Corridors	General		102	0.41	42	
Office	Enclosed less than 250 sf		432	0.74	320	
Storage room	50-100 sf		77	0.38	29	
Totals					1,055	512
				COMPLIES		

Proposed Lighting Power Density						
Fixture Type	Fixture ID	Quantity of Fixtures (QF)	Watts or Wattage Limit per Fixture (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (QF x WpF) or (LF x WpLF)
Individual Fixtures	Troffer	F2	33			66
	Troffer	F1	32			220
	Recessed downlight	F3	9			126
				Proposed Total LPD		
				512		

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Project Title	Clyde Hill City Hall - Office Remodel - 2018 WSEC	Date	May 18, 2022	
Proposed Fixtures Details				
ALTERATION - INTERIOR LIGHTING (50% or more replaced)				
Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type	New or Existing-to-Remain
Individual Fixtures	Troffer	F2	LED	New
Fixture Description:		Are these fixtures located within a daylight zone?:		
Do these fixtures require specific application lighting controls?:				
	Troffer	F1	LED	New
Fixture Description:		Are these fixtures located within a daylight zone?:		
Do these fixtures require specific application lighting controls?:				
	Recessed downlight	F3	LED	New
Fixture Description:		Are these fixtures located within a daylight zone?:		
Do these fixtures require specific application lighting controls?:				

Project Title	Clyde Hill City Hall - Office Remodel - 2018 WSEC	Date	May 18, 2022
Lighting Power Calculation	BUILDING ADDITION - INTERIOR LIGHTING	Compliance Verification	COMPLIES
Compliance Method	Building area	LPA Calculation Adjustment	none

Interior Lighting Power Allowance - Building Area					
Building Areas	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 1)	Total Proposed Watts By Building Area	Compliance Status by Building Area
Office	73	0.64	47	32	COMPLIES

Proposed Lighting Power Density								
Fixture Type/Application	Fixture ID	Building Area	New or Existing-to-Remain	Quantity of Fixtures, CLDs or Luminaires (QF)	Watts per Fixture, CLD or Luminaire (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (QF x WpF) or (LF x WpLF)
Individual Fixtures	Troffer	F1	New	1	32			32

Project Title	Clyde Hill City Hall - Office Remodel - 2018 WSEC	Date	May 18, 2022		
Proposed Fixtures Details					
BUILDING ADDITION - INTERIOR LIGHTING					
Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type	Building Area	New or Existing-to-Remain
Individual Fixtures	Troffer	F1	LED	Office	New
Fixture Description:		Are these fixtures located within a daylight zone?: Yes, controls provided			
Daylight zone location(s):		Sidelit daylight zones (primary and/or secondary)			
Dimming method:		Continuous dimming			
Do these fixtures require specific application lighting controls?:					

Project Title	Clyde Hill City Hall - Office Remodel - 2018 WSEC	Date	May 18, 2022
Lighting Power Calculation	CHANGE IN OCCUPANCY - INTERIOR LIGHTING	Compliance Verification	COMPLIES
Compliance Method	Space by space	LPA Calculation Adjustment	none

Interior Lighting Power Allowance - Space by Space						
General Space Type	Specific Space Type	Ceiling Height (Ft)	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 1)	Compliance Status
Office	Enclosed less than 250 sf		137	0.74	101	
Totals					101	66
				COMPLIES		

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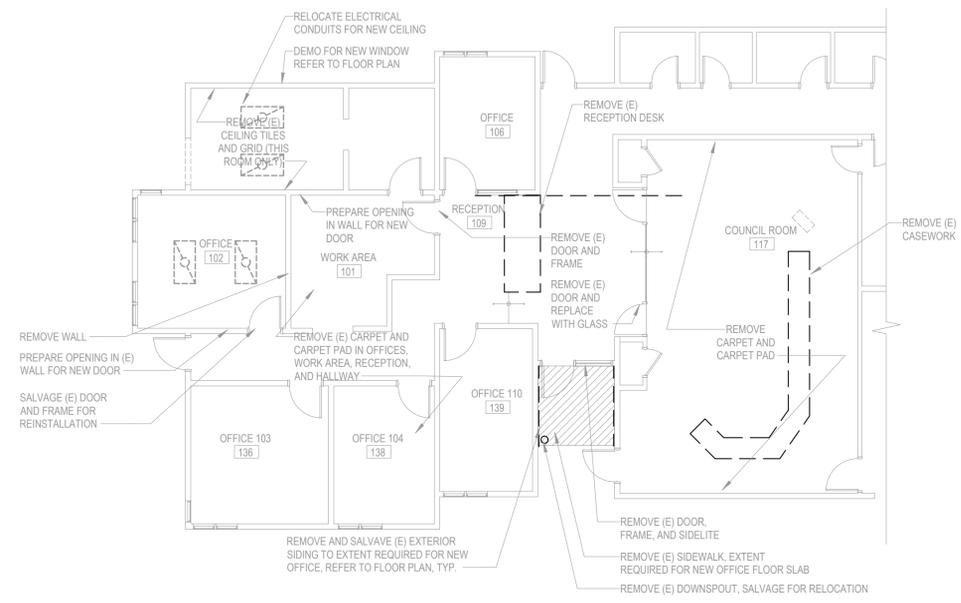
PERMIT SET

No.	Description	Date:

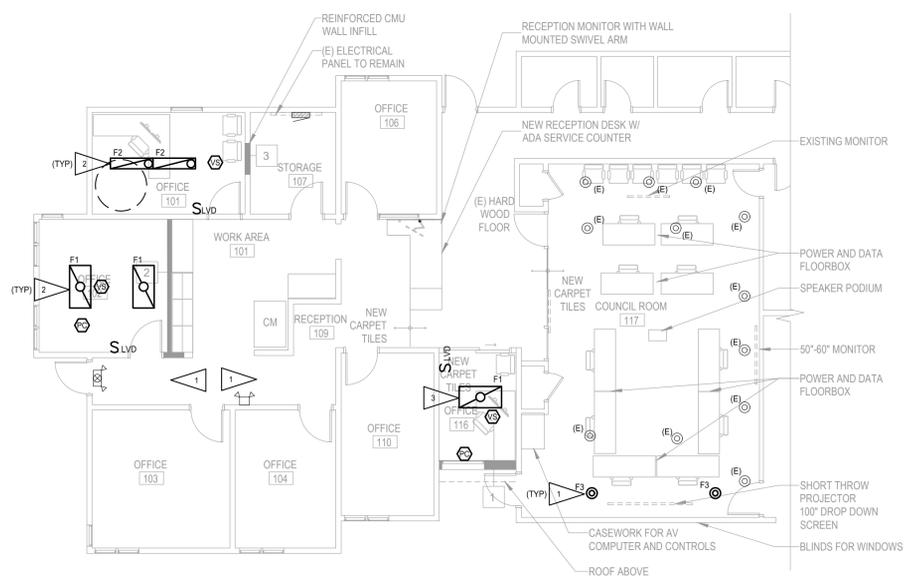
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NREC
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E0.3



1 DEMO LIGHTING FLOOR PLAN
SCALE: 1/8" = 1'0"



2 LIGHTING FLOOR PLAN
SCALE: 1/8" = 1'0"

DEMOLITION GENERAL NOTES:

- VISIT AND EXAMINE THE SITE PRIOR TO CONSTRUCTION TO ASCERTAIN THE CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
- DISPOSE OF ALL REMOVED EQUIPMENT UNLESS DIRECTED TO DO OTHERWISE BY THESE DOCUMENTS FOR THE OWNER.
- DISCONNECT, REMOVE OR RELOCATE EXISTING ELECTRICAL INSTALLATION AS INDICATED. THIS INCLUDES, BUT NOT LIMITED TO PANELS, LIGHT FIXTURES, WIRING DEVICES, SIGNAL EQUIPMENT, EXHAUST FANS, BASEBOARD HEATERS, UNIT HEATERS, ETC. COORDINATE WITH MECHANICAL PRIOR TO DEMOLITION OF AN EQUIPMENT.
- SEE MECHANICAL DRAWINGS FOR HEATERS, EXHAUST FANS, ETC. WHICH MUST BE DISCONNECTED BY DIVISION 26 FOR REMOVAL OR ABANDONMENT BY DIVISION 23.
- REMOVE ALL CONDUIT, WIRE, BOXES, AND FASTENING DEVICES AS REQUIRED TO AVOID ANY INTERFERENCE WITH NEW INSTALLATION OR THAT WOULD BE VISIBLE WHEN PROJECT IS COMPLETE. ABANDONED CONDUIT SHALL BE CAPPED AT BOTH ENDS. PROVIDE STAINLESS STEEL COVERPLATE FOR BOXES. SEE GENERAL NOTE THIS SHEET.
- SYSTEMS WHICH REQUIRE INTERRUPTION OF SERVICE SHALL BE COORDINATED WITH OWNER.
- REMOVE ALL EXISTING LIGHTING FIXTURES AND POWER SYSTEMS AS INDICATED OR REQUIRED TO CLEAR AREA FOR NEW INSTALLATION. ALL EXISTING POWER SYSTEMS MAY NOT BE SHOWN.
- RECONNECT ANY EQUIPMENT BEING DISTURBED BY THESE RENOVATIONS YET REQUIRED FOR CONTINUED SERVICE.
- WHERE WORK (WALL REMOVAL, NEW OR RELOCATED WALL OPENINGS, ETC.) RESULTS IN THE REMOVAL OF LIGHT FIXTURES, DISCONNECT OR RECONNECT ALL REMAINING ACTIVE DEVICES REMAINING ON THE CIRCUIT SYSTEM AS REQUIRED.

GENERAL NOTES

- CIRCUIT NUMBERS SHOWN REFER TO PANEL P1 UNLESS OTHERWISE NOTED.
- COORDINATE ALL CEILING MOUNTED DEVICE LOCATIONS WITH ARCHITECTURAL CEILING PLANS. WHERE CONFLICT OCCURS, ARCHITECTURAL R.C.P. TAKES PRECEDENCE EXCEPT WHEN LOCATION IS MODIFIED BY CODE AUTHORITY.
- WALL MOUNTED DEVICES SHALL NOT BE MOUNTED BACK TO BACK UNLESS PHYSICAL SPACE NECESSITATES IT. IF THESE DEVICES MUST BE MOUNTED BACK TO BACK, PROVIDE SOUND INSULATION AT BOXES.
- FOR BRANCH CIRCUITS THAT EXCEED 75' IN LENGTH, INCREASE WIRE BY ONE AWG SIZE.
- PROVIDE DEDICATED NEUTRAL CONDUCTOR FOR ALL BRANCH CIRCUITS.
- SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF ALL DEVICE LOCATIONS, UNLESS OTHERWISE NOTED. DEVICES IN KNEE SPACES ARE LOCATED BETWEEN THE COUNTERTOP AND CABLE TRAY. SEE ARCHITECTURAL CASEWORK ELEVATIONS AND DETAILS FOR EXACT MOUNTING HEIGHTS.
- FOR ANY DEVICE MOUNTING LOCATION THAT CONFLICTS WITH A MIRROR, GENERAL CONTRACTOR SHALL COORDINATE DEVICE LOCATION WITH ARCHITECT PRIOR TO ROUGH IN.
- PROVIDE ALL CONDUIT, BOXES AND WIRE AS REQUIRED BY WAC, NEC, AND SPECIFICATIONS SECTIONS 26 05 00, 26 05 11, 26 05 19, 26 05 32 AND 26 05 33 FOR A FULLY FUNCTIONING SYSTEM.
- ALL ELECTRICAL BOXES SHALL BE RECESSED UNLESS OTHERWISE NOTED. SURFACE MOUNTED BOXES ARE GENERALLY NOT ACCEPTABLE. INFORM ARCHITECT WHERE NOT POSSIBLE PRIOR TO ORDERING MATERIAL AND ROUGH-IN. RECESS BOXES IN OPENED, NEW AND/OR NEWLY FURRED WALLS. IF DEVICE IS SHOWN IN AN EXISTING CONCRETE OR MASONRY WALL PROVIDE SURFACE METAL RACEWAY BOX AND DRILL WALL FROM OPPOSITE SIDE IN EFFORT TO CONCEAL CONDUIT/WIRE IN FRAMING.

FLAG NOTES

- 1 CIRCUIT NEW DOWNLIGHTS TO EXISTING LIGHTING CONTROLS. TYPICAL.
- 2 FIELD VERIFY AND LOCATE EXISTING LIGHTING CIRCUIT. REUSE EXISTING CIRCUIT FOR NEW FIXTURES AND CONTROLS.
- 3 EXTEND LIGHTING CIRCUIT FROM ADJACENT OFFICE 110.

Lighting Fixture Schedule								
Type	Description	Manufacturer		Qty.	Lamp Type	Ballast/Driver	Input Watts	Remarks
		Name	Catalog No.					
F1	RECESSED DIRECT/INDIRECT TROFFER, NOMINALLY 2' x 4' WITH EXTRUDED ACRYLIC FLAT LENS WITH DIFFUSE CENTER OPTIC 0-10V DIMMING DRIVER.	LITHONIA	2BLT4 40L A DSM EZ1 L P835		4,000 DELIVERED LUMENS	35K 0-10 VOLT LED DIMMING DRIVER	32	
F2	RECESSED DIRECT/INDIRECT TROFFER, NOMINALLY 1' x 4' WITH EXTRUDED ACRYLIC FLAT LENS WITH DIFFUSE CENTER OPTIC 0-10V DIMMING DRIVER, PROVIDE FLANGE MOUNTING KIT	LITHONIA	BLT4 40L A DSM EZ1 L P835 DGA14		4,000 DELIVERED LUMENS	35K 0-10 VOLT LED DIMMING DRIVER	33	
F3	RECESSED DOWN LIGHT WITH 4" APERTURE WITH WHITE TRIM 0-10V DIMMING DRIVER	GOHAM	EV04 35/10 AR MD LSS MVOLT EZ1		1,000 DELIVERED LUMENS	35K 0-10 VOLT LED DIMMING DRIVER	8.8	
X1	EDGE LITE EXIT SIGN, UNIVERSAL MOUNTING, GREEN LED WITH INTEGRAL BATTERY BACK UP	LITHONIA	LRP-W-1-GC-120/277-ELN		NA DELIVERED LUMENS	LED DRIVER	3	VERIFY MOUNTINGS AND ARROWS

CONFIRM FIXTURE FINISHES WITH ARCHITECT PRIOR TO ORDERING.



PERMIT SET

No.	Description	Date:

Project Title:

Clyde Hill City Hall Office Revisions
CITY OF CLYDE HILL
9605 NE 24th St, Clyde Hill, WA 98004

Sheet Title:

LIGHTING PLAN

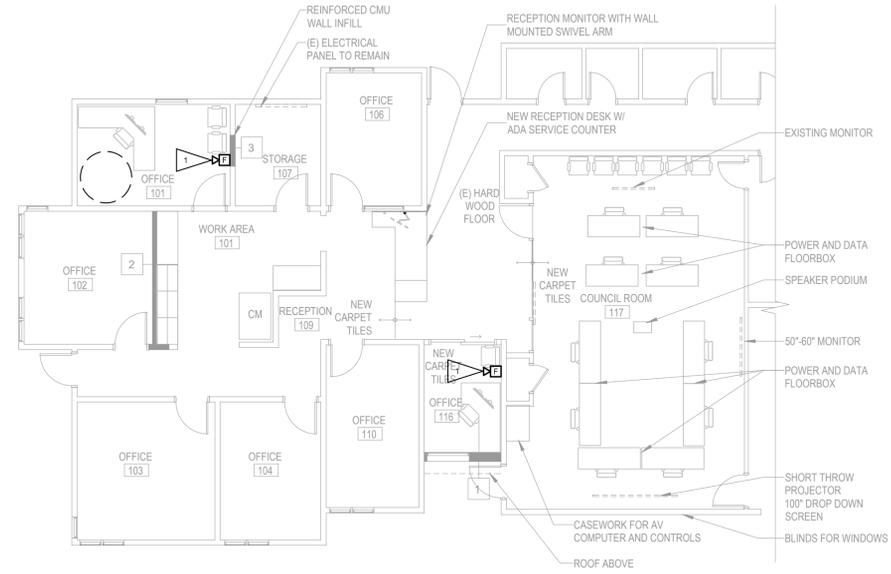
Scale: NOTED

Project No.: 16-32

Date: 09/20/2022

Sheet Number:

E3.1



FIRE ALARM FLOOR PLAN
SCALE: 1/8" = 1'0"

GENERAL NOTES

- EXISTING FACP IS HONEYWELL VISTA 128FBPT. PROVIDE LABOR AND MATERIAL TO MAKE MODIFICATIONS TO EXISTING FIRE ALARM SYSTEM TO COVER NEW SPACES AS REQUIRED PER CODE.
- COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH-IN.
- SUBMIT COMPLETE DRAWINGS AND CALCULATION TO AUTHORITY HAVING JURISDICTION FOR APPROVAL.
- SUBMIT APPROVED DRAWINGS AND CALCULATIONS TO ENGINEER FOR REVIEW.
- FOR ANY DEVICE MOUNTING LOCATION THAT CONFLICTS WITH A MIRROR, GENERAL CONTRACTOR SHALL COORDINATE DEVICE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.

FLAG NOTES

- 1 PROVIDE NEW HORN STROBE IN NEW OFFICE. PROVIDE LABOR AND MATERIAL AS REQUIRED TO INTEGRATE WITH EXISTING FIRE ALARM SYSTEM.



ARCHITECTURE + PLANNING + DESIGN

6211 ROOSEVELT WAY
NORTHEAST
SEATTLE, WA 98115
tel: (206) 522-3830
fax: (206) 522-2456



19515 North Creek Parkway, Suite 302
Bothell, WA 98011
425-402-9400 office@caseeng.com



PERMIT SET

No.	Description	Date:

Project Title:

Clyde Hill City Hall Office Revisions

CITY OF CLYDE HILL
9605 NE 24th St, Clyde Hill, WA 98004

Sheet Title:

FIRE ALARM PLAN

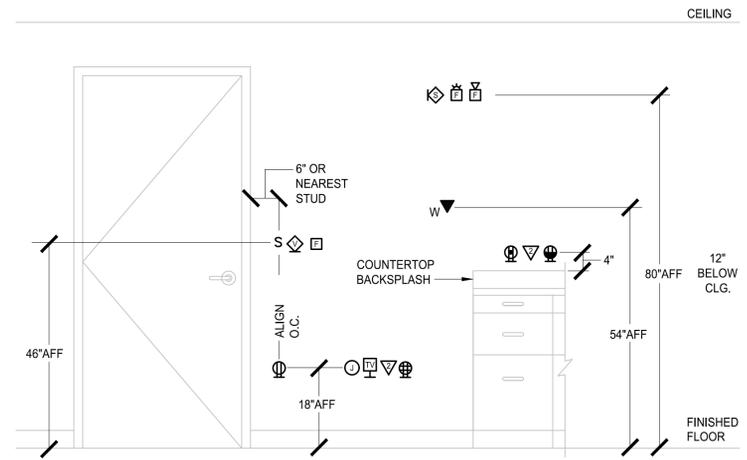
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Project No.: 16-32

Date: 09/20/2022

Sheet Number:

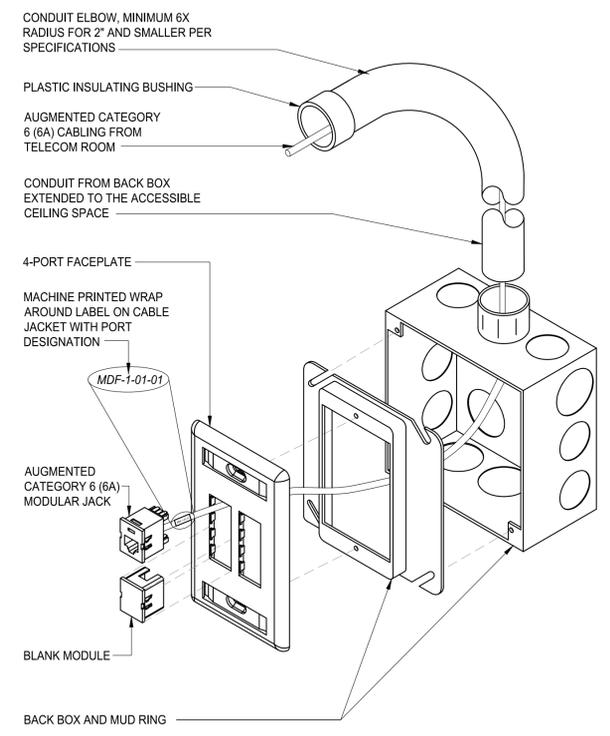
E7.1



GENERAL NOTES

1. MOUNTING HEIGHTS ARE TO THE CENTER OF THE DEVICE AS SHOWN UNLESS OTHERWISE NOTED ON PLANS.
2. VERIFY ALL MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
3. ALIGN OUTLETS VERTICALLY WHERE POSSIBLE.
4. MOUNTING HEIGHTS SHOWN ON DETAIL SUPERCEDE THOSE SHOWN ON PLANS. NOTIFY ARCHITECT, IMMEDIATELY, OF ANY CONFLICTS.
5. FOR ANY DEVICE MOUNTING LOCATION THAT CONFLICTS WITH A MIRROR, GENERAL CONTRACTOR SHALL COORDINATE DEVICE LOCATION WITH ARCHITECT PRIOR TO ROUGH IN.
6. PROVIDE STAINLESS STEEL COVERPLATES IN ALL APPARATUS BAYS, WORK AREAS AND KITCHEN.

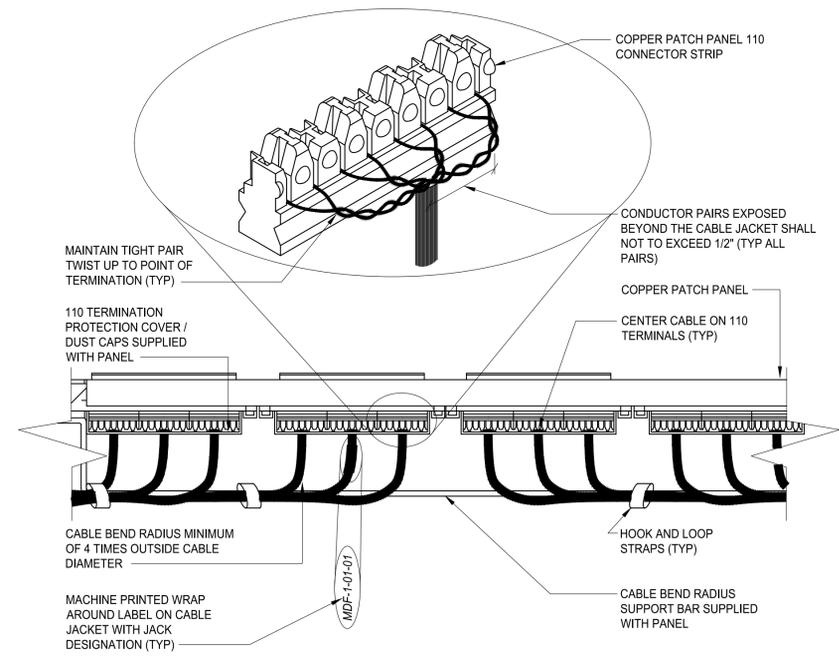
1 **DETAIL- TYPICAL DEVICE MOUNTING HEIGHTS**
E8.1 SCALE: NONE



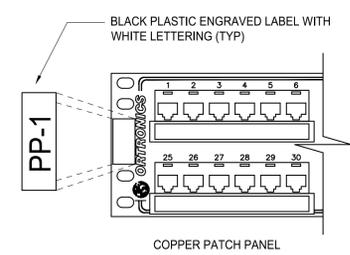
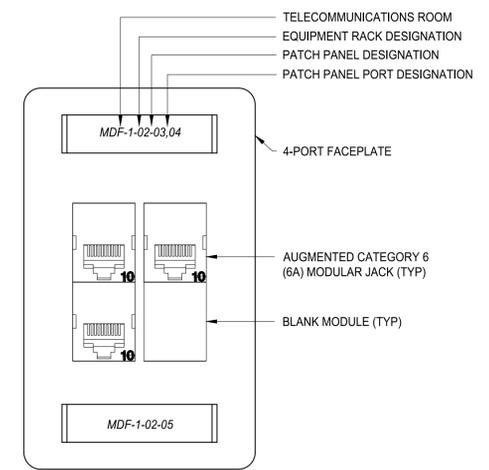
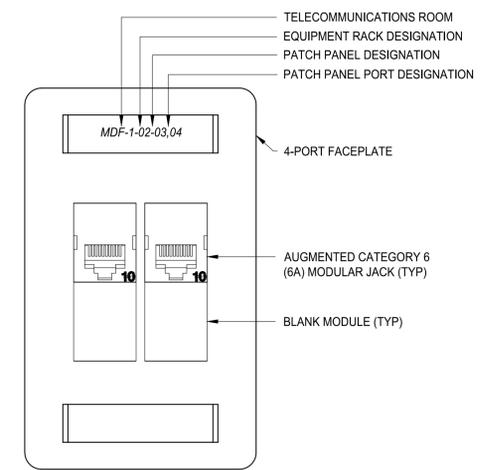
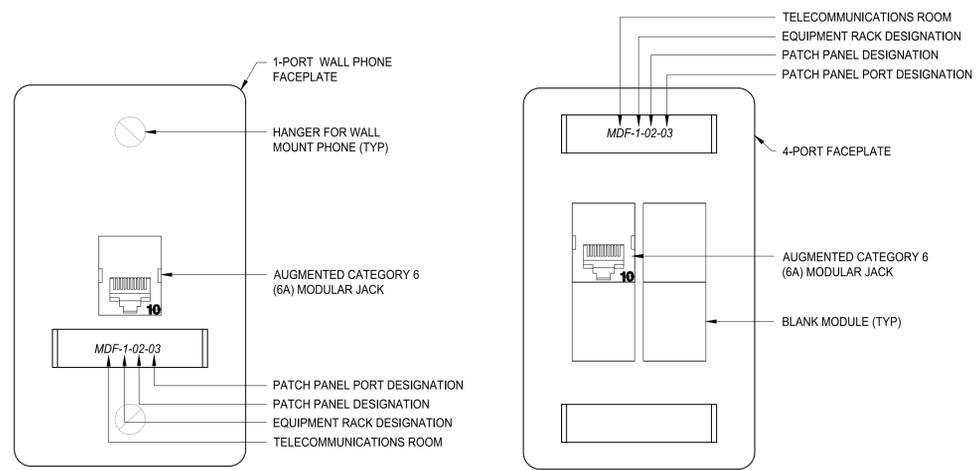
DETAIL NOTES:

1. CONDUIT SHALL BE CONTINUOUS FROM BACK BOX TO ACCESSIBLE CEILING SPACE OR AS INDICATED ON PLANS.
2. SEE TELECOMMUNICATIONS ROUGH-IN SCHEDULE FOR CONDUIT AND BACK BOX REQUIREMENTS.
3. PROVIDE BLANK MODULES TO FILL SPARE SPACES IN FACEPLATES.
4. NOT ALL PARTS SHOWN. CONTRACTOR SHALL ENSURE A COMPLETE WORKING INSTALLATION INCLUDING MISCELLANEOUS APPURTENANCES.

2 **DETAIL- TELECOMMUNICATIONS DEVICE ROUGH-IN**
E8.1 SCALE: NONE



3 **DETAIL- COPPER PATCH PANEL TERMINATION**
E8.1 SCALE: NONE



4 **DETAIL- ORGANIZATION AND LABELING**
E8.1 SCALE: NONE

5 **DETAIL- COPPER PATCH PANEL LABELING**
E8.1 SCALE: NONE

PERMIT SET

No.	Description	Date:

Project Title:

Clyde Hill City Hall Office Revisions
CITY OF CLYDE HILL
9605 NE 24th St, Clyde Hill, WA 98004

Sheet Title:

ELECTRICAL AND TELECOM
DETAILS

Scale: NOTED
Project No.: 16-32
Date: 09/20/2022
Sheet Number:



GENERAL NOTES:

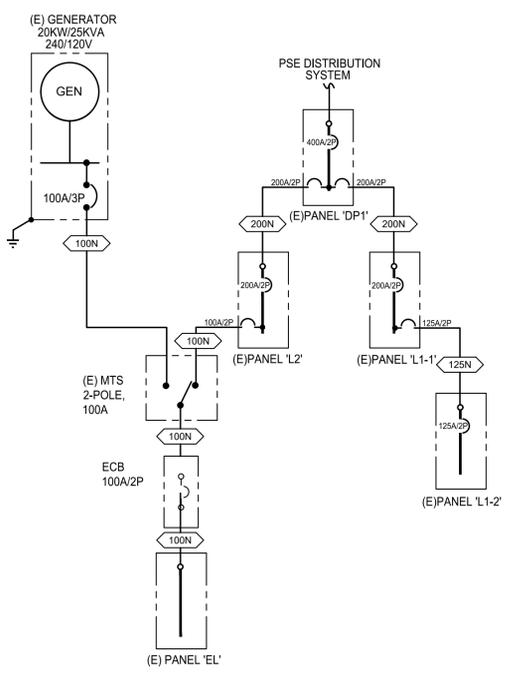
- SEE PANEL SCHEDULES, THIS SHEET FOR PANEL AND BRANCH CIRCUIT INFORMATION.
- ALL PANELS SHOWN ARE EXISTING TO REMAIN. NO FEEDER CHANGES IN THE SCOPE OF THIS CONTRACT. FIELD VERIFY ALL FEEDER SIZES AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

PANEL 'DP1'													
PROJECT NAME: CLYDEHILL CITY HALL										PROJECT #: 22118			
LOCATION: CLYDEHILL, WA										FED FROM: SERVICE			
NOTE	CKT NO.	CIRCUIT NAME	CB SIZE	LOAD (KVA)						PANEL DESCRIPTION			
			Ø	A	M	R	H	M	L	K	O	TOTAL	
	1	PANEL 'L1'	A 200 2	4.43					1.48	1.50		7.39	PANEL AMPS : 400
	3	-	B - -	6.41					1.50	0.72		8.83	FEEDER AMPS : 400
	5	HVAC AC-1	A 50 2						4.80			4.80	L - L VOLTS : 240
	7	-	B - -						4.80			4.80	L - N VOLTS : 120
	9	HVAC AC-3	A 50 2						4.80			4.80	PHASE : 1
	11	-	B - -						4.80			4.80	WIRE : 3
	13	SPARE	A 50 2										A.I.C. :
	15	-	B - -										
	17	SPACE	A - -										M.L.O. <input type="checkbox"/>
	19	SPACE	B - -										MAIN CB <input checked="" type="checkbox"/>
	21	SPACE	A - -										FLUSH <input type="checkbox"/>
	23	SPACE	B - -										SURFACE <input checked="" type="checkbox"/>
	25	SPACE	A - -										ISO GND <input type="checkbox"/>
	27	SPACE	B - -										FEED-THRU <input type="checkbox"/>
	29	SPACE	A - -										
	31	SPACE	B - -										
LOAD SUMMARY													
KVA : 98.88													
AMPS : 416.1													
DEMAND LOAD													
KVA : 95.34													
AMPS : 397.2													
NOTES/REMARKS :													
1. NO WORK ON THIS PANEL.													
2. NO WORK ON THIS PANEL.													
3. NO WORK ON THIS PANEL.													
DEMAND / DIVERSITY FACTORS													
LOAD	DESCRIPTION	DEMAND											
R	RECEPTACLES - TO 10KVA	100%	=	10.00									
	REMAINING OVER 10KVA	50%	=	8.34									
H	HEATING	100%	=	16.00									
M	MOTORS	100%	=	38.74									
LM	LARGEST MOTOR	125%	=	10.55									
L	LIGHTING	125%	=	8.51									
K	KITCHEN	100%	=										
O	OTHER	100%	=	3.20									

EXISTING FEEDER SCHEDULE

TAG	QUANTITY OF SETS	RACEWAY SIZE	CONDUCTORS		
			PHASE	NEUTRAL	GROUND
100N	1	1-1/2"	2#1	1#1	1#8
125N	1	2"	3#1/0	1#1/0	1#6
200N	1	2-1/2"	2#3/0	1#3/0	1#4

- NOTES:**
- COPPER FEEDERS ARE BASED ON COPPER CONDUCTORS WITH THHN/THWN INSULATION. CONDUCTOR DERATING IS BASED ON THHN/THWN CONDUCTORS WITH 75 DEGREES C RATING.
 - REFER TO SHEET(S) E9.1 FOR FEEDER LOCATIONS.

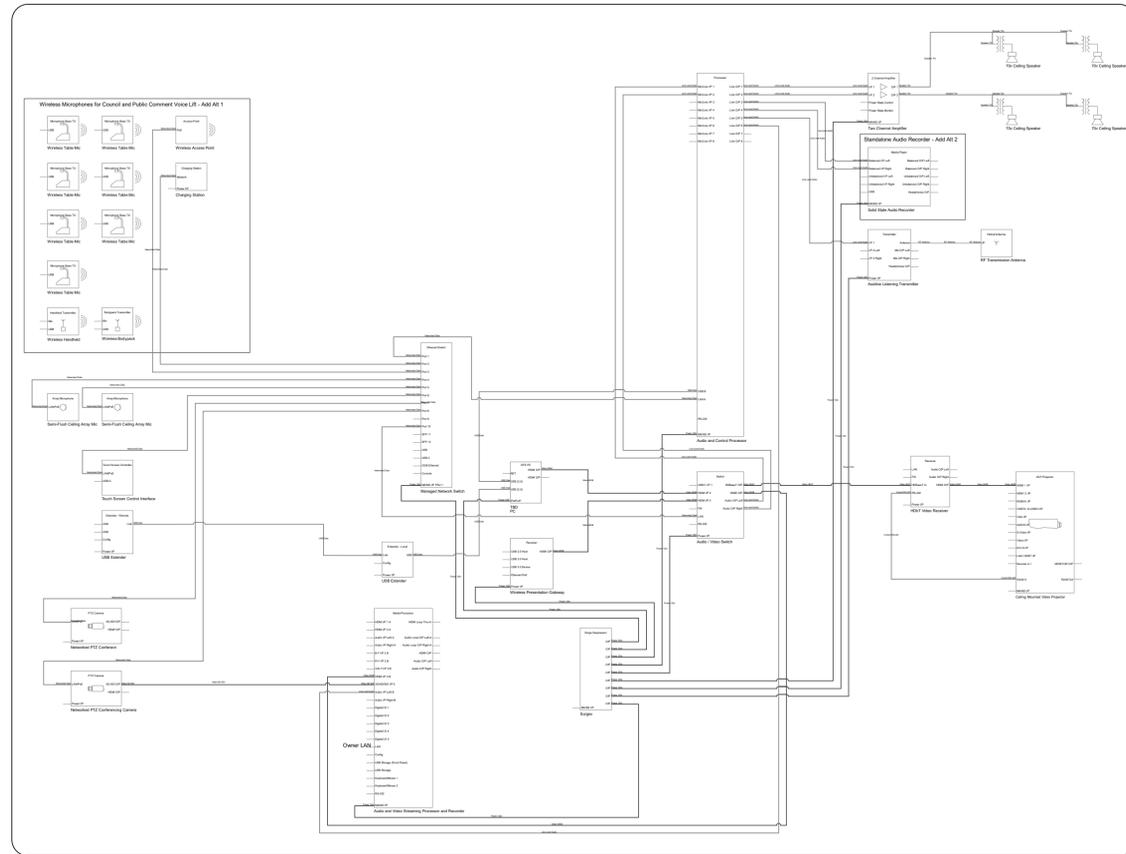


1 EXISTING ONE LINE DIAGRAM
SCALE: NONE

PANEL 'L1-2'													
PROJECT NAME: CLYDEHILL CITY HALL										PROJECT #: 22118			
LOCATION: CLYDEHILL, WA										FED FROM: PANEL 'L1-1'			
NOTE	CKT NO.	CIRCUIT NAME	CB SIZE	LOAD (KVA)						PANEL DESCRIPTION			
			Ø	A	M	R	H	M	L	K	O	TOTAL	
	1	SPIDER BOX OUTLET	A 50 2										PANEL AMPS : 125
	3	-	B - -										FEEDER AMPS : 125
	5	REC - SALLY PORT, STORAGE	A 20 1	0.54								0.54	L - L VOLTS : 240
	7	REC - OFFICES	B 20 1	0.72								0.72	L - N VOLTS : 120
	9	REC - COUNCIL CHAMBERS	A 20 1	0.54								0.54	PHASE : 1
	11	REC - MULTI PURPOSE, COUNCIL CHAMBERS	B 20 1	0.54								0.54	WIRE : 3
	13	REC - OFFICE, RESTROOM	A 20 1	0.72								0.72	A.I.C. :
	15	REC - OFFICE, HALLWAY, BATH	B 20 1	0.72								0.72	
	17	REC - ADMIN HALLWAY	A 20 1	0.36								0.36	M.L.O. <input type="checkbox"/>
	19	REC - MICROWAVE	B 20 1	0.18								0.18	MAIN CB <input checked="" type="checkbox"/>
	21	REC - RECEPTION	A 20 1	0.36								0.36	FLUSH <input type="checkbox"/>
	23	REC - RECEPTION	B 20 1	0.36								0.36	SURFACE <input checked="" type="checkbox"/>
													ISO GND <input type="checkbox"/>
													FEED-THRU <input type="checkbox"/>
LOAD SUMMARY													
KVA : 9.88													
AMPS : 40.3													
DEMAND LOAD													
KVA : 10.08													
AMPS : 42.0													
NOTES/REMARKS :													
1. NO WORK ON THIS PANEL.													
2. NO WORK ON THIS PANEL.													
3. NO WORK ON THIS PANEL.													
DEMAND / DIVERSITY FACTORS													
LOAD	DESCRIPTION	DEMAND											
R	RECEPTACLES - TO 10KVA	100%	=	8.10									
	REMAINING OVER 10KVA	50%	=	0.42									
H	HEATING	100%	=										
M	MOTORS	100%	=										
LM	LARGEST MOTOR	125%	=										
L	LIGHTING	125%	=	1.98									
K	KITCHEN	100%	=										
O	OTHER	100%	=										

(E) PANEL 'L1-1'													
PROJECT NAME: CLYDEHILL CITY HALL										PROJECT #: 22118			
LOCATION: CLYDEHILL, WA										FED FROM: PANEL 'DP1'			
NOTE	CKT NO.	CIRCUIT NAME	CB SIZE	LOAD (KVA)						PANEL DESCRIPTION			
			Ø	A	M	R	H	M	L	K	O	TOTAL	
	1	SPARE	A 20 1										PANEL AMPS : 200
	3	REC - STORAGE	B 20 1	0.36								0.36	FEEDER AMPS : 200
	5	SPARE	A 20 1										L - L VOLTS : 240
	7	REC - LOCKERS	B 20 1	0.36								0.36	L - N VOLTS : 120
	9	SPARE	A 20 1										PHASE : 1
	11	REC - COUNCIL CHAMBERS	B 20 1	0.72								0.72	WIRE : 3
	13	SPARE	A 20 1										A.I.C. :
	15	GARBAGE DISP	B 20 1	1.50								1.50	
	17	SPARE	A 20 1										M.L.O. <input type="checkbox"/>
	19	SPARE	B 20 1										MAIN CB <input checked="" type="checkbox"/>
	21	SPARE	A 20 1										FLUSH <input type="checkbox"/>
	23	SPARE	B 20 1										SURFACE <input checked="" type="checkbox"/>
	25	REC - ROOF HVAC	A 20 1	0.36								0.36	ISO GND <input type="checkbox"/>
	27	SPARE	B 20 1										FEED-THRU <input type="checkbox"/>
	29	SPARE	A 20 1										
	31	SPARE	B 20 1										
	33												
	35												
	37												
	39												
	41												
LOAD SUMMARY													
KVA : 10.84													
HEAT KVA : 4.86													
MOTOR KVA : 1.50													
LIGHTING KVA : 2.18													
KITCHEN KVA : 1.70													
OTHER KVA : 1.70													
CONNECTED LOAD													
KVA : 16.22													
AMPS : 67.6													
DEMAND LOAD													
KVA : 16.72													
AMPS : 69.7													
NOTES/REMARKS :													
1. NO WORK ON THIS PANEL.													
2. NO WORK ON THIS PANEL.													
3. NO WORK ON THIS PANEL.													
DEMAND / DIVERSITY FACTORS													
LOAD	DESCRIPTION	DEMAND											
R	RECEPTACLES - TO 10KVA	100%	=	10.00									
	REMAINING OVER 10KVA	50%	=	0.42									
H	HEATING	100%	=										
M	MOTORS	100%	=										
LM	LARGEST MOTOR	125%	=	1.88									
L	LIGHTING	125%	=	2.73									
K	KITCHEN	100%	=										
O	OTHER	100%	=	1.70									

PANEL 'L2'													
PROJECT NAME: CLYDEHILL CITY HALL										PROJECT #: 22118			
LOCATION: CLYDEHILL, WA										FED FROM: PANEL 'DP1'			
NOTE	CKT NO.	CIRCUIT NAME	CB SIZE	LOAD (KVA)						PANEL DESCRIPTION			
			Ø	A	M	R	H	M	L	K	O	TOTAL	
	1	PANEL 'EL'	A 70 2	5.04					0.82	1.50		5.86	PANEL AMPS : 200
	3	-	B - -	3.42					0.40			5.32	FEEDER AMPS : 200
	5	WATER HEATER	A 30 2	2.50								2.50	L - L VOLTS : 240
	7	-	B - -	2.50								2.50	L - N VOLTS : 120
	9	REC - SHREDDER	A 20 1	0.36								0.36	PHASE : 1
	11	LTS - LOBBY	B 20 1						0.40			0.40	WIRE : 3
	13	REC - LOBBY	A 20 1	0.54								0.54	A.I.C. :
	15	SPARE	B 20 1										
	17	REC - ADMIN HALLWAY	A 20 1	0.72								0.72	M.L.O. <input type="checkbox"/>
	19	REC - ADMIN HALLWAY	B 20 1	0.72								0.72	MAIN CB <input checked="" type="checkbox"/>
	21	REC - ADMIN HALLWAY	A 20 1	0.72								0.72	FLUSH <input type="checkbox"/>
	23	REC - OFFICES HALLWAY	B 20 1	0.72								0.72	SURFACE <input checked="" type="checkbox"/>
	25	GATE POWER	A 20 1						1.00			1.00	ISO GND



Rev	Date	Notes
1	8/24/22	initial equipment list
2	8/28/22	revised wusage info
3	8/31/22	internal review
4	9/02/22	internal review & approval

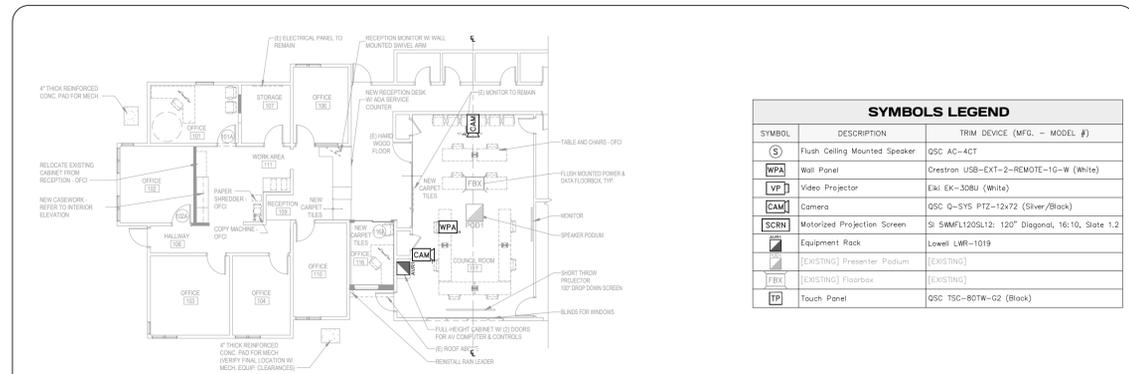
Symbols Used

Client
TCA ARCHITECTURE

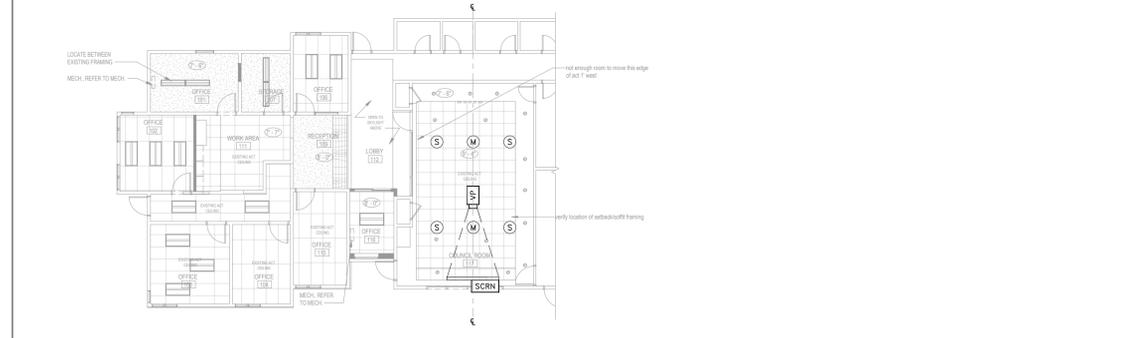
Title
City of Clyde Hill Council Chamber AV Block

Jaymarc-AV
14600 Interurban Ave S,
Tukwila WA 98168
JAYMARC AV
design | build | integrate | support

Drawn By	Scale	Date
	NTS	9/2/2022
Issued For	Bid	
Drawing No.	AV 001	Rev. 4



1 System Device Plan Scale: 1/8" = 1'-0"



2 System Ceiling Device Plan Scale: 3/4" = 1'-0"

SYMBOL	DESCRIPTION	TRIM DEVICE (MFG. - MODEL #)
(S)	Flush Ceiling Mounted Speaker	QSC AC-4CT
(WPA)	Wall Panel	Crestron USB-EXT-2-REMOTE-10-W (White)
(VP)	Video Projector	Eiki EK-30BU (White)
(CAM)	Camera	QSC 0-5YS PTZ-12x72 (Silver/Black)
(SCRN)	Motorized Projection Screen	SI 5WML1205L12: 120" Diagonal, 16:10, Slate 1:2
(RACK)	Equipment Rack	Lowell LWR-1019
(P)	[EXISTING] Presenter Podium	[EXISTING]
(FBX)	[EXISTING] Floorbox	[EXISTING]
(TP)	Touch Panel	QSC TSC-80TH-G2 (Black)

Rev	Date	Notes
1	8/24/22	initial equipment list
2	8/28/22	revised wusage info
3	8/31/22	internal review
4	9/02/22	internal review & approval

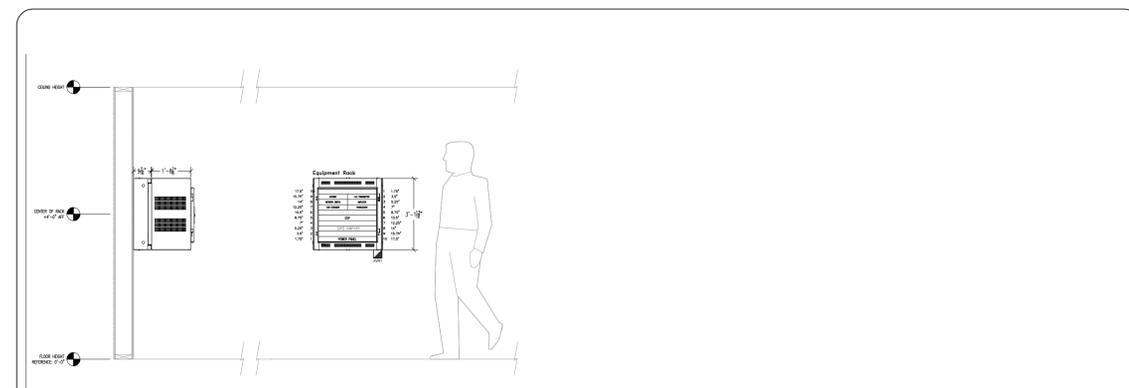
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Client
TCA ARCHITECTURE

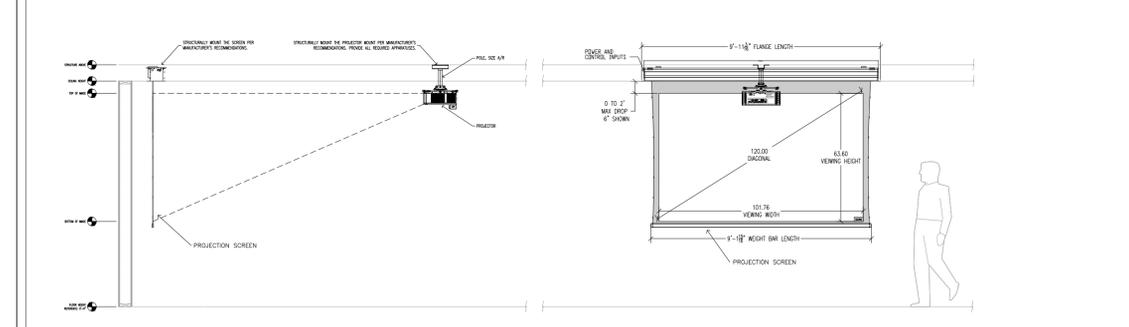
Title
City of Clyde Hill Council Chamber Device Plan

Jaymarc-AV
14600 Interurban Ave S,
Tukwila WA 98168
JAYMARC AV
design | build | integrate | support

Drawn By	Scale	Date
	NTS	9/2/2022
Issued For	Bid	
Drawing No.	AV 002	Rev. 4



1 Equipment Rack Elevation Scale: 3/4" = 1'-0"



2 Projection Details Scale: 1/2" = 1'-0"

Rev	Date	Notes
1	8/24/22	initial equipment list
2	8/28/22	revised wusage info
3	8/31/22	internal review
4	9/02/22	internal review & approval

Symbols Used

Client
TCA ARCHITECTURE

Title
City of Clyde Hill Council Chamber AV Details

Jaymarc-AV
14600 Interurban Ave S,
Tukwila WA 98168
JAYMARC AV
design | build | integrate | support

Drawn By	Scale	Date
	NTS	9/2/2022
Issued For	Bid	
Drawing No.	AV 003	Rev. 4