MATERIAL & FINISH SUBSTITUTIONS

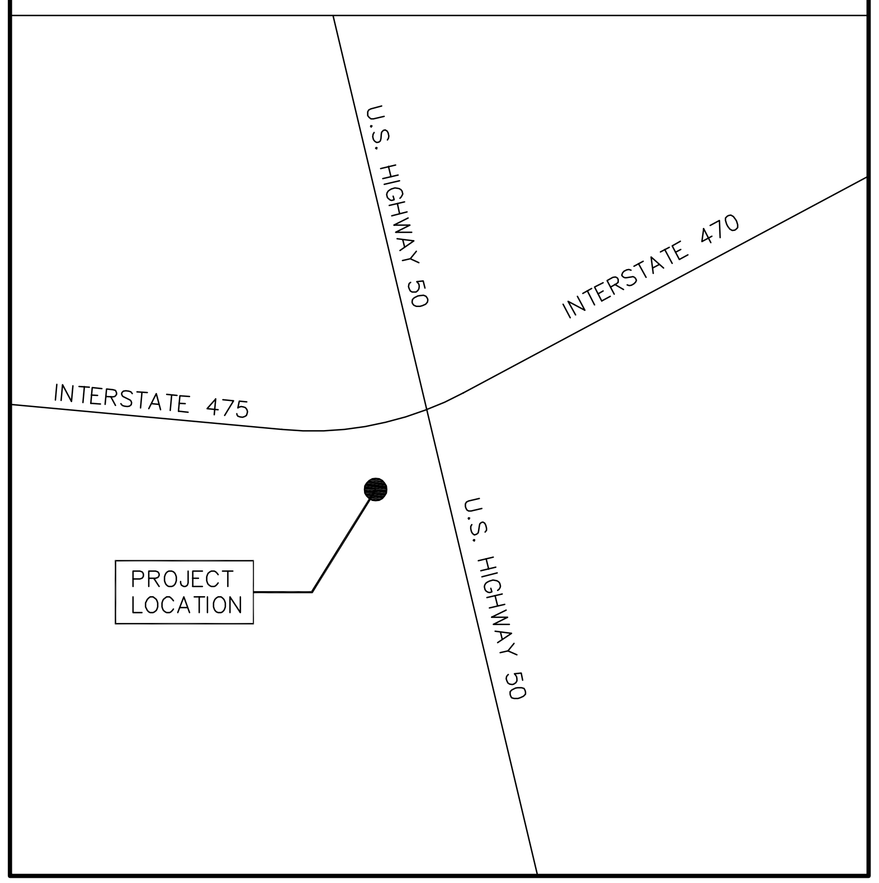
THERE SHALL BE NO MATERIAL OR FINISH SUBSTITUTIONS. IN THE EVENT THAT MATERIAL OR FINISH SUBSTITUTIONS ARE REQUIRED – APPROVAL FOR THE SUBSTITUTIONS MUST BE PROVIDED BY THE DESIGNER IN RESPONSIBLE CHARGE AND MASSAGE LUXE CORPORATE.

COMPLIANCE

THESE CONSTRUCTION DOCUMENTS WERE PREPARED FOR COMPLIANCE WITH THE STATE OF MISSOURI, JACKSON COUNTY AND THE CITY OF LEE'S SUMMIT CONSTRUCTION CODES IN EFFECT AT THE TIME OF THE PERMIT SUBMITTAL. ALL ENGINEERS, CONTRACTORS AND SUPPLIERS INVOLVED WITH THIS PROJECT SHALL COMPLY WITH THE SAME CODES, ISSUED AND APPROVED CODE MODIFICATIONS AND WHENEVER REQUIRED SHALL PROVIDE SHOP DRAWINGS AND SUBMITTALS CLEARLY DESCRIBING COMPLIANCE TO THE DESIGNER IN RESPONSIBLE CHARGE FOR REVIEW AND APPROVAL.

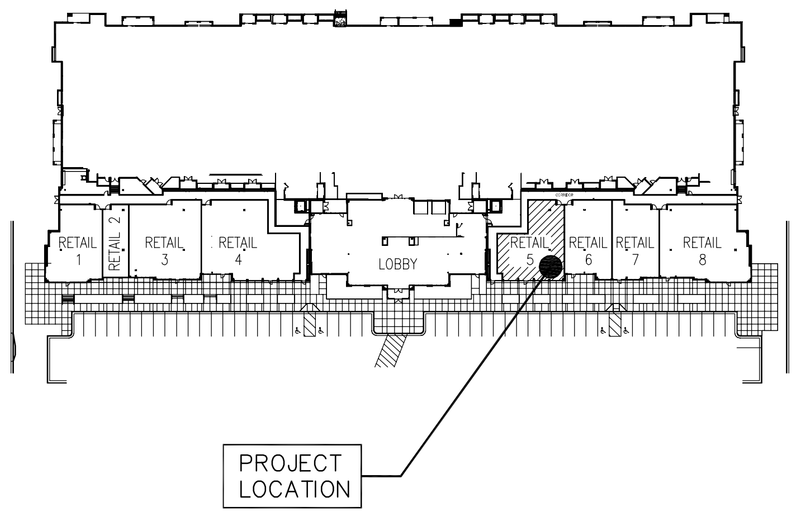
VICINITY MAP

NOT TO SCALE



BUILDING PLAN

NOT TO SCALE



DRAWING SHEET INDEX

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A1.1	FLOOR PLAN
A1.2	REFLECTED CEILING PLAN
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A1.4	FIXTURE & EQUIPMENT PLAN
A4.1	INTERIOR ELEVATIONS
A4.2	CASEWORK DETAILS
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A6.2	RESPONSIBILITY MATRIX
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P-4	PLUMBING SPECIFICATIONS AND FIXTURE SCHEDULE
MPE-1	SEISMIC DETAILS AND CODE BLOCKS

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
BY JACKSON COUNTY, MISSOURI
LEE'S SUMMIT, MISSOURI
03/22/2021

NOTES:
1. ALL MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION (MEP/FP) DEVICES AND SYSTEMS INDICATED IN THE ARCHITECTURAL DRAWING SET ARE FOR PRODUCT IDENTIFICATION OR LOCATION PURPOSES ONLY.
2. ALL MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION (MEP/FP) CONTRACTORS ARE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF DEVICES AND SYSTEMS INDICATED PER APPLICABLE BUILDING CODES.
3. ALL MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION (MEP/FP) ENGINEERING CONTRACTORS SHALL SUBMIT PLAN DRAWINGS AND SPECIFICATIONS TO THE ARCHITECT FOR REVIEW AND ACCEPTANCE PRIOR TO SUBMITTING FOR CONSTRUCTION PERMITS.

PROJECT TEAM DIRECTORY

ARCHITECT:
BRADLEY|COLLINS, LLC
131 EAST DRAKE AVENUE
ST. LOUIS, MO 63119
PH: (314) 968-2899
EM: brad@bradley-collins.com

MECHANICAL, ELECTRICAL & PLUMBING ENGINEERING:
JOHN C. ZEKIND, PE – CONSULTING ENGINEERS
1276 WHITE ROAD
CHESTEFIELD, MO 63017
PH: (314) 878-2290
EM: zekind@aol.com

GENERAL CONTRACTOR:
TBD

REFERENCE SYMBOLS

- INDICATES DETAIL NUMBER / INDICATES SHEET UPON WHICH DETAIL APPEARS — DETAIL/SECTION REFERENCE
- OR
- 1 / A4.1 — ELEVATION REFERENCE
- A — COLUMN LINE NUMBER
- A — TOILET ACCESSORY
- 1 / A7.1 — BUILDING SECTION
- OFFICE / 100 — ROOM NAME/NUMBER
- 100 — DOOR NUMBER
- 100 — EQUIPMENT NUMBER
- A — KEYED NOTE
- P — PARTITION TYPE
- EXISTING WALL
- NEW WALL
- EXISTING DOOR
- NEW DOOR

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR	GALV	GALVANIZED	RAD	RADIUS
ATC	ACOUSTIC TILE CEILING	GC	GENERAL CONTRACTOR	REF	REFERENCE
A/C	AIR CONDITIONING	GB	GRAB BAR	RET	RETURN
ALUM	ALUMINUM	GPF	GALLONS PER FLUSH	RA	RETURN AIR
		GWB	GYPSUM WALL BOARD	RM	ROOM
BD	BOARD				
BO	BOTTOM OF	HDW	HARDWARE	UNO	UNLESS NOTED OTHERWISE
BLDG	BUILDING	HTG	HEATING	UR	URINAL
		HVAC	HEATING/VENTALATION/ AIR CONDITIONING		
CLG	CEILING	HT	HEIGHT	VT	VENT
CM	CEILING MOUNTED	HM	HOLLOW METAL	VERT	VERTICAL
CT	CERAMIC TILE	HORZ	HORIZONTAL	VB	VINYL BASE
CO	CLEAN OUT	HW	HOT WATER		
CW	COLD WATER			WC	WATER CLOSET
COL	COLUMN	IN	INCH	WP	WATER PROOF
CONC	CONCRETE	ID	INDIRECT DRAIN	W	WIDTH
CMU	CONCRETE MASONRY UNIT			WIN	WINDOW
		JT	JOINT	W/	WITH
DC	DATA/TELEPHONE CONTRACTOR	LAM	LAMINATE (ED)	W/O	WITH OUT
DET	DETAIL	LV	LAVATORY	WD	WOOD
DIM	DIMENSION				
DD	DIRECT DRAIN	MAT'L	MATERIAL	SCH	SCHEDULE
DR	DOOR	MC	MECHANICAL CONTRACTOR	SEC	SECTION
DB	DRAIN BOARDS	MECH	MECHANICAL	SEL	SELECT
DWG	DRAWING	MFR	MANUFACTURE (ER)	SHT	SHEET
		MIN	MINIMUM	SIM	SIMILAR
EA	EACH	MR	MIRROR	SCW	SOLID CORE WOOD
EC	ELECTRICAL CONTRACTOR	MISC	MISCELLANEOUS	SPK	SPEAKER
ELEC	ELECTRICAL			SPEC	SPECIFICATIONS
EL	ELEVATION	NIC	NOT IN CONTRACT	SQ	SQUARE
EQ	EQUAL	NTS	NOT TO SCALE	STD	STANDARD
EXG	EXISTING	NO	NUMBER	STL	STEEL
EXP	EXPANSION			ST	STORAGE
EXT	EXTERIOR	OC	ON CENTER	STR	STRUCTURAL
		OP	OPENING	SU	STUB UP
FOF	FACE OF FINISH			SUP	SUPPLY
FOS	FACE OF STUDS	PC	PLUMBING CONTRACTOR	SA	SUPPLY AIR
FT	FEET	PNL	PANEL		
FRP	FIBERGLASS REINFORCED PLASTIC	PR	PAIR	TEL	TELEPHONE
		PLAM	PLASTIC LAMINATE	THK	THICK (NESS)
FIN	FINISH	PWD	PLYWOOD	TL	TILE
FLR	FLOOR	QTY	QUANTITY	TO	TOP OF
FD	FLOOR DRAIN			TOS	TOP OF SLAB
FS	FLOOR SINK			TYP	TYPICAL
				VTR	VENT THRU ROOF

PROJECT SUMMARY/CODE REVIEW

TENANT USE GROUP:	BUSINESS GROUP B (SECTION 304.1)
CONSTRUCTION TYPE:	TYPE II-B – UNPROTECTED (SHELL BUILDING) (TABLE 601 & PARAGRAPH 602.2)
ALLOWABLE AREA:	4 STORIES (TABLE 504.4), 55' ABOVE GRADE (TABLE 504.3), 92,000 S.F. (TABLE 506.2)
ACTUAL AREA:	2,542 S.F. (ESTIMATED)
CALCULATED OCCUPANT LOAD:	2,542 S.F./150 S.F. GROSS = 17 OCCUPANTS (TABLE 1004.5)
COMMON PATH EGRESS TRAVEL:	100' MAXIMUM ALLOWED (TABLE 1006.2.1)
EXIT ACCESS TRAVEL DISTANCE:	300' MAXIMUM ALLOWED (TABLE 1017.2)
MINIMUM EGRESS WIDTH:	STAIRWAYS (0.3")(17 OCC.) = 5.1" (PARAGRAPH 1005.3.1) OTHER EGRESS COMPONENTS (0.20")(17 OCC.) = 3.4" (PARAGRAPH 1005.3.2)
NUMBER OF EXITS PROVIDED:	1 @ 36" AND 1 @ 42" = 78" TOTAL
FIRE SUPPRESSION SYSTEM:	FULLY SPRINKLERED

1

REVISED CALCULATED OCCUPANT LOAD:

MASSAGE ROOMS 1-6 (6 ROOMS)(2 OCCUPANTS PER ROOM) =	12 OCCUPANTS
MASSAGE ROOM 7 (1 ROOM)(4 OCCUPANTS PER ROOM) =	4 OCCUPANTS
AESHETICIAN (1 ROOM)(2 OCCUPANTS) =	2 OCCUPANTS
HYDRO LUXE (1 ROOM)(1 OCCUPANT) =	1 OCCUPANTS
LUXE LOUNGE (1 ROOM)(4 OCCUPANTS) =	4 OCCUPANTS
OFFICE (1 ROOM)(1 OCCUPANTS) =	1 OCCUPANTS
RECEPTION (1 ROOM)(4 OCCUPANTS) =	4 OCCUPANTS
TOTAL CALCULATED OCCUPANT LOAD =	28 OCCUPANTS

BUILDING CODES

THESE PLANS SHALL COMPLY WITH THE FOLLOWING:

- 2018 INTERNATIONAL BUILDING CODE INCUDING APPENDICES C AND I
- 2018 INTERNATIONAL MECHANICAL CODE
- 2017 NATIONAL ELECTRICAL CODE (NFPA NO. 70-2017)
- 2018 INTERNATIONAL PLUMBING CODE
- CURRENT CITY OF LEE'S SUMMIT ENERGY CONSERVATION CODE
- 2018 IINTERNATIONAL FIRE CODE WITH APPENDICES B & D AS AMENDED AND APPENDIX C AS PUBLISHED BY THE INTERNATIONAL CODE COUNCIL
- 2018 INTERNATIONAL FUEL GAS CODE

STATE OF MISSOURI
BRADLEY COLLINS PETERSON NUMBER A-6865
REGISTERED ARCHITECT
SEAL
03.25.21

CERTIFICATE OF AUTHORITY
MISSOURI LIC. #2014008379
BRADLEY COLLINS PETERSON
MISSOURI LIC. #006865

bradley|collins, llc
architecture
131 east drake avenue
st. louis, mo 63119
phone: 314.968.2899 or 314.402.7265
www.bradley-collins.com

ISSUES / REVISIONS :

NO.	DATE	REMARKS
1	03.22.21	CITY OF LEE'S SUMMIT REVIEW

TENANT BUILD OUT
MassageLuXe - Summit at West Pryor
940 NW Pryor Road, Unit: H
Lee's Summit, MO 64081
COVER INFORMATION

PROJECT NUMBER
20022

PROJECT PHASE
CONTRACT DOCUMENTS

DRAWN BY:
BCP

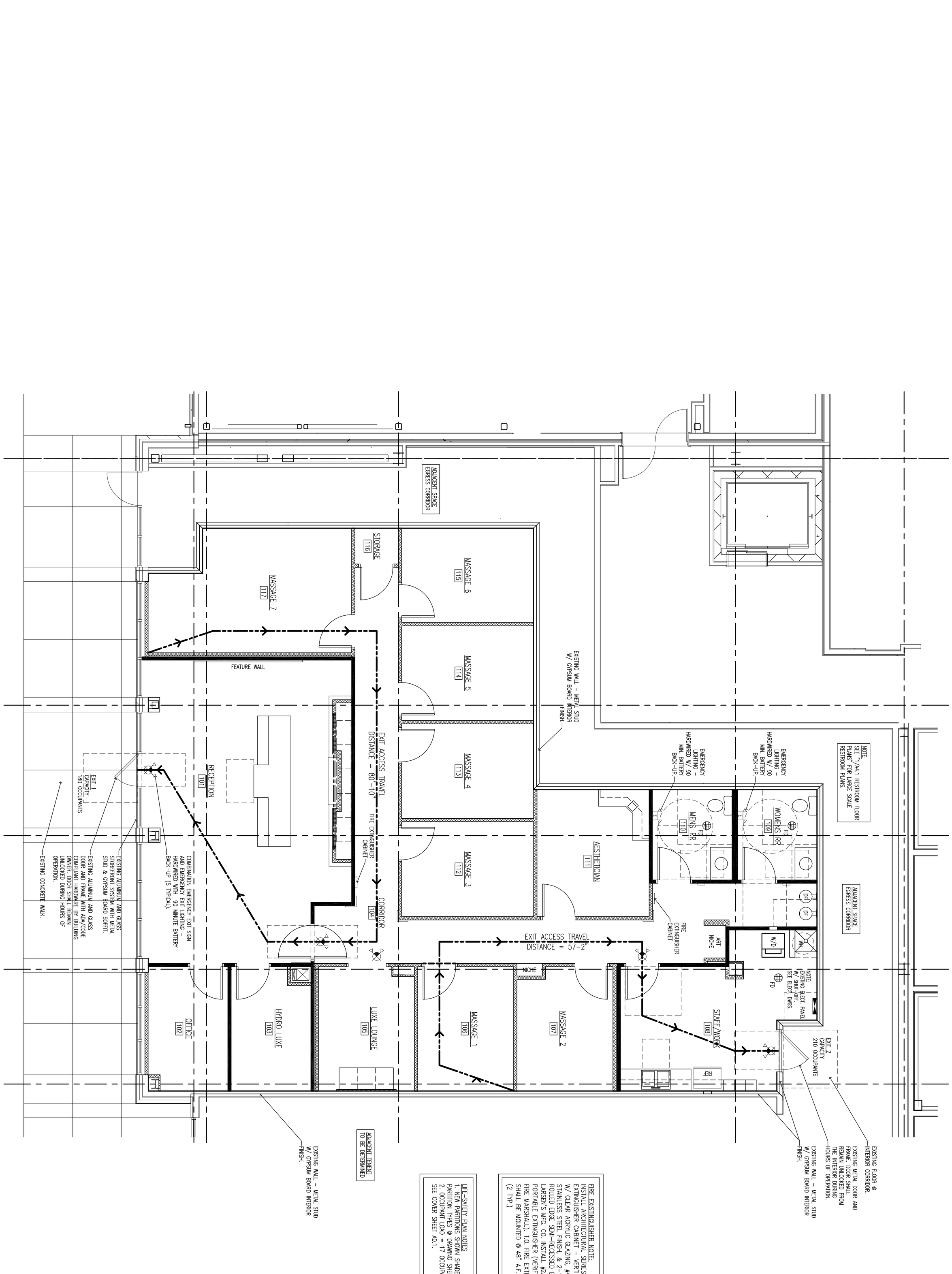
CHECKED BY:
BCP

DATE:
02.25.2021

SHEET NO.
A0.1

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

03/22/2021



1 LIFE SAFETY PLAN
SCALE: 1/4" = 1'-0"

N

FIRE EXISTINGUISHER NOTE:
INSTALL ARCHITECTURAL SERIES FIRE EXTINGUISHER CABINET - VERTICAL DUO W/ CLEAR ACRYLIC GLAZING, #4 STAINLESS STEEL FINISH, & 2-1/2" ROLLED EDGE SEMI-RECESSED BY LARSEN'S MFG. CO. INSTALL #2A10BC PORTABLE EXTINGUISHER (VERIFY W/ FIRE MARSHALL). T.O. FIRE EXTINGUISHER SHALL BE MOUNTED @ 48" A.F.F. (2 TYP.)

LIFE-SAFETY PLAN NOTES
1. NEW PARTITIONS SHOWN SHADED - SEE PARTITION TYPES @ DRAWING SHEET A1.1.
2. OCCUPANT LOAD = 17 OCCUPANTS - SEE COVER SHEET A0.1.

TENANT BUILD OUT

MassageLuXe - Summit at West Pryor
940 NW Pryor Road
Lee's Summit, MO 64081

LIFE SAFETY PLAN

ISSUES / REVISIONS :

NO.	DATE	REMARKS

bradley|collins, llc
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www.bradley-collins.com

BRADLEY COLLINS PETERSON
MISSOURI LIC. #006865

CERTIFICATE OF AUTHORITY
MISSOURI LIC. #2014008379

SEAL: STATE OF MISSOURI · BRADLEY COLLINS PETERSON · NUMBER A-8865 · REGISTERED ARCHITECT · 02.25.21

PROJECT NUMBER
20022

PROJECT PHASE
CONTRACT DOCUMENTS

DRAWN BY:
BCP

CHECKED BY:
BCP

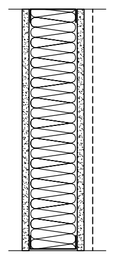
DATE:
02.25.2021

SHEET NO.
A1.0
2 OF 14

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
AS NOTED ON SPECIFICATIONS REVIEW
LEE'S SUMMIT, MISSOURI
03/22/2021

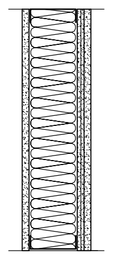
FRAMING SEISMIC SYSTEM NOTE:
SEE DRAWING SHEET "A5.3 SEISMIC DETAILS" FOR WALL FRAMING SEISMIC DETAILS AND NOTES.

PARTITION TYPES

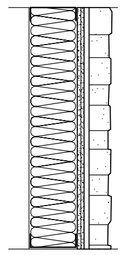


PARTITION TYPE–1
3–5/8" NLB–25 GA. MTL. STUDS @ 16" O.C. MAX. W/ 1–LAYER 5/8" GYPSUM WALL BOARD FINISH EACH SIDE PARTITION. INSTALL TO 10'–0" A.F.F. TYPICAL UNLESS NOTED OTHERWISE.

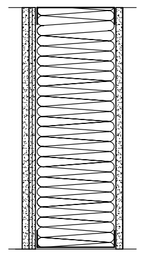
PARTITION TYPE–1a
IN ADDITION TO PARTITION TYPE–1 INSTALL 1–LAYER 5/8" SOUNDBREAK GYPSUM BOARD BY NATIONAL GYPSUM (AGAINST STUD) AND 3–1/2" SOUND ATTENUATION INSULATION.



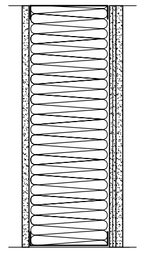
PARTITION TYPE–2
3–5/8" NLB–20 GA. MTL. STUDS @ 16" O.C. MAX. W/ 1–LAYER 5/8" GYPSUM WALL BOARD ONE SIDE PARTITION, 1–LAYER 5/8" SOUNDBREAK GYPSUM BOARD BY NATIONAL GYPSUM (AGAINST STUD) AND 1–LAYER 5/8" GYPSUM WALL BOARD ONE SIDE PARTITION. INSTALL 3–1/2" SOUND ATTENUATION INSULATION. INSTALL TO UNDERSIDE OF EXISTING METAL ROOF DECK. DO NOT ATTACH TO ROOF DECKING. SHOWN SHADED SOLID (TYPICAL).



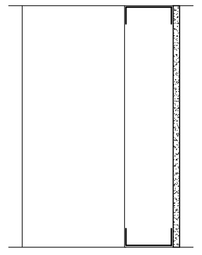
PARTITION TYPE–3
3–5/8" NLB–20 GA. MTL. STUDS @ 16" O.C. MAX. W/ 1–LAYER 5/8" DUROCK BY USG ONE SIDE PARTITION. INSTALL SIMULATED STONE VENEER PER MANUFACTURER SPECIFICATIONS TO UNDERSIDE OF GYP. BD. SOFFIT. SEE DETAIL 4/A5.1 FOR BALANCE OF INFORMATION.



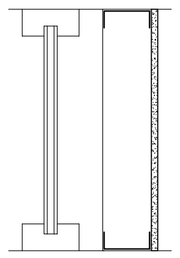
PARTITION TYPE–4 (DEMISING WALL)
EXISTING MTL. STUD WALL WITH GYPSUM WALL BOARD FINISH. INSTALL 1–LAYER 5/8" SOUNDBREAK GYPSUM BOARD TYPE "X" BY NATIONAL GYPSUM @ TENANT SIDE PARTITION. INSTALL SOUND BATT INSULATION. PARTITION SHALL EXTEND TO UNDERSIDE OF EXISTING METAL DECK. PARTITION TO PROVIDE ESTIMATED 57 STC RATING. PARTITION WALL SHALL BE 1–HOUR RATED. FINISH TO UL U419 SPECIFICATIONS. VERIFY 1–HOUR GYSUM BOARD FINISH AT OPPOSITE SIDE PARTITION WALL.



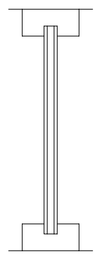
PARTITION TYPE–5
6" NLB–20 GA. MTL. STUDS @ 16" O.C. MAX. W/ 1–LAYER 5/8" GYPSUM WALL BOARD ONE SIDE PARTITION, 1–LAYER 5/8" SOUNDBREAK GYPSUM BOARD BY NATIONAL GYPSUM (AGAINST STUD) AND 1–LAYER 5/8" GYPSUM WALL BOARD ONE SIDE PARTITION. INSTALL 3–1/2" SOUND ATTENUATION INSULATION. INSTALL TO UNDERSIDE OF EXISTING METAL ROOF DECK. DO NOT ATTACH TO ROOF DECKING. SHOWN SHADED SOLID (TYPICAL).



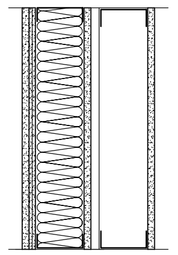
PARTITION TYPE–6
EXIST. COLUMN – INSTALL 1–5/8" OR 3–5/8" NLB–25 GA. METAL STUD FURRING AT 16" O.C. MAX. W/ 1–LAYER 5/8" GYPSUM WALL BOARD FINISH AND. PARTITION SHALL EXTEND TO ABOVE FINISHED CEILING.



PARTITION TYPE–7
EXIST. ALUMINUM STOREFRONT – INSTALL 3–5/8" NLB–25 GA. METAL STUD FURRING AT 16" O.C. MAX W/ 1–LAYER 5/8" SOUNDBREAK GYPSUM BOARD BY NATIONAL GYPSUM (AGAINST STUD) AND 1–LAYER 5/8" GYPSUM WALL BOARD FINISH AND BATT INSULATION. PARTITION SHALL EXTEND TO UNDERSIDE OF EXISTING SOFFIT.

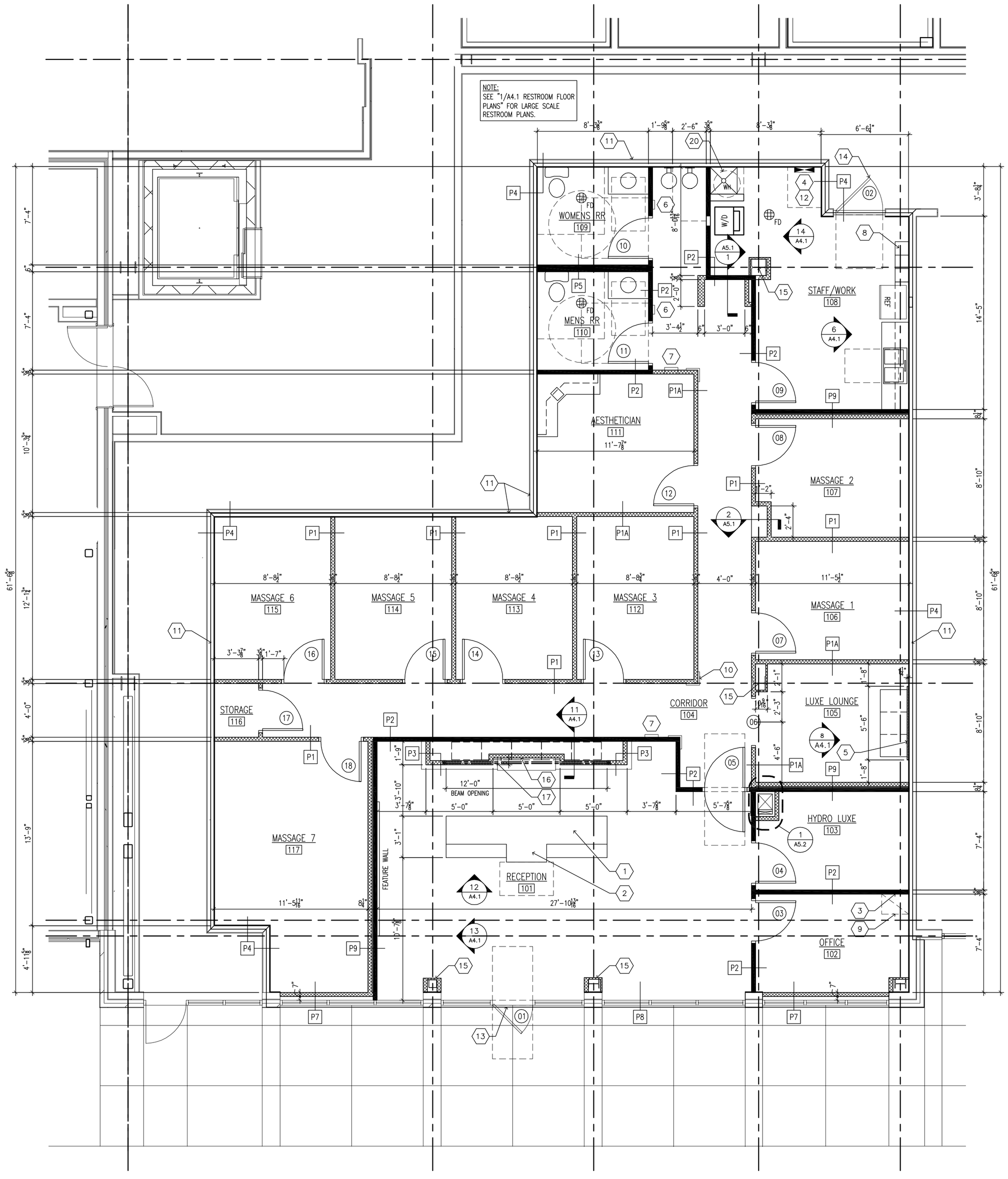


PARTITION TYPE–8
ALUMINUM & GLASS STOREFRONT SYSTEM W/ METAL STUD & GYP. BD. SOFFIT ABOVE. SEE STOREFRONT DETAILS FOR BALANCE OF INFORMATION.



PARTITION TYPE–9
WALL–1 – 3–5/8" NLB–20 GA. MTL. STUDS @ 16" O.C. MAX. W/ 1–LAYER 5/8" GYPSUM WALL BOARD ONE SIDE PARTITION, 1–LAYER 5/8" SOUNDBREAK GYPSUM BOARD BY NATIONAL GYPSUM (AGAINST STUD) AND 1–LAYER 5/8" GYPSUM WALL BOARD ONE SIDE PARTITION. INSTALL 3–1/2" SOUND ATTENUATION INSULATION. INSTALL TO UNDERSIDE OF EXISTING METAL ROOF DECK. DO NOT ATTACH TO ROOF DECKING. SHOWN SHADED SOLID (TYPICAL).
WALL–2 – 3–5/8" NLB–25 GA. MTL. STUDS @ 16" O.C. MAX. W/ 1–LAYER 5/8" GYPSUM WALL BOARD ONE SIDE PARTITION, INSTALL TO 10'–0" A.F.F. SHOWN SHADED (TYPICAL).
NOTE: MAINTAIN 1" SPACE BETWEEN WALLS

PARTITION TYPE NOTES:
1. INSTALL WATER RESISTANT GYPSUM WALL BOARD AT RESTROOM WALLS AND SINK/WET AREAS.
2. INSTALL WATER RESISTANT GYPSUM WALL BOARD AT WALLS RECEIVING TILE FINISH.
3. INSTALL DUROCK WALL BOARD AT WALLS RECEIVING SIMULATED STONE VENEER FINISH.
4. ATTACHED MTL. STUD AND BRACING TO STRUCTURAL COMPONENTS ONLY. DO NOT ATTACHED MTL. STUDS OR BRACING TO ROOF DECKING.
5. ALL METAL STUDS SHALL BE "PROSTUD" BY CLARK DIETRICH ICC–ES AC86.
6. METAL STUD WALLS SHALL BE SECURED TO EXIST. CONC. SLAB WITH RAMSET SP58TH ICC–ES #ES–1799 POWDER DRIVEN FASTENERS @ 48" O.C. MAX.
7. INSTALL FLEX, SLIP TRACK OR DEFLECTION TRACK WHEN SECURING PARTITIONS DIRECTLY TO STRUCTURE ABOVE.
8. ALL GYPSUM BOARD SHALL BE MOLD RESISITANT AND MANUFACTURED DOMESTICALLY. ACCEPTED PRODUCTS ARE GOLD BOND XP, INTERIOR EXTREME OR PERMABASE BY NATIONAL GYPSUM (OR EQUAL).
9. INSULATION SHALL BE FORMALDEHYDE–FREE, HIGH RECYCLED CONTENT FIBERGLASS BATT INSULATION.
10. PATCH AND REPAIR ALL EXISTING GYP. BD. SURFACES TO PROVIDE SMOOTH, LEVEL FINISH.
11. FILL ALL VOIDS BETWEEN TOP OF DEMISING WALL PARTITION TYPE–5 AND ROOF DECK WITH SEMI–RIGID REFRACTORY SAFING INSULATION.
12. INSTALL ACOUSTICAL SEALANT CONTINUOUS AT TOP OF DEMISING WALL AND UNDERSIDE OF JUNCTION.
13. INSTALL CONTINUOUS FIRE SEALANT AT EACH SIDE DEMISING WALL PARTITION TYPE–4.
14. INSTALL CONTINUOUS ACOUSTICAL SEALANT @ BOTTOM OF ALL WALLS THROUGHOUT.



1 FLOOR PLAN
SCALE: 1/4" = 1'–0"

FLOOR PLAN KEYED NOTES

THIS SHEET ONLY
(X) (SHOWN THUS TYPICAL)

1. MILLWORK RECEPTION DESK PROVIDED BY OTHERS – INSTALLED BY GENERAL CONTRACTOR.
2. ADA COMPLIANT TRANSACTION COUNTER @ 34" A.F.F. MAX.
3. DATA/COMM. PANEL – INSTALL 30" WIDE X 48" TALL 3/4" FIRE–TREATED PLYWOOD T1 PHONE/DATA COMMUNICATION BOARD BEHIND GYP. BD. INSTALL BOARD AND SHELVES AS REQUIRED TO MEET ANY AND ALL APPLICABLE BUILDING CODES.
4. LOCATION EXIST. ELECTRICAL PANEL – SEE ELECTRICAL DRAWINGS.
5. ACCENT WALL – ADD 2–LAYERS 5/8" GYP. BD. FROM FIN. FLR. TO 10'–0" A.F.F. SUSPENDED CEILING SYSTEM GRID SHALL BUTT AGAINST AND CONFORM TO SHAPE OF ACCENT PORTION.
6. INSTALL ADA COMPLIANT "MEN" OR "WOMEN" RESTROOM SIGNS W/ C.L. SIGN TEXT @ 60" A.F.F. & 1'–0" O.C. HORIZONTALLY FROM THE DOOR JAMB.
7. ARCHITECTURAL SERIES FIRE EXTINGUISHER CABINET – VERTICAL DUO W/ CLEAR ACRYLIC GLAZING, #4 STAINLESS STEEL FINISH, & 2–1/2" ROLLED EDGE SEMI–RECESSED BY LARSEN'S MFG. CO. INSTALL #2A10BC PORTABLE EXTINGUISHER (VERIFY). SEE RESPONSIBILITY MATRIX. MOUNT TOP OF CABINET @ 48" A.F.F.
8. METAL LOCKERS W / ADA COMPLIANT HANDLE & LATCH (3 LOCKERS MIN.) – COORDINATE W/ TENANT. 3 EA. WIDE X 6 EA. TALL = 18 EACH.
9. 14" DEEP ADJUSTABLE WOOD OR PLAM SHELVES @ 72" A.F.F. & 84" A.F.F. (2 SHELVES TYP.).
10. QUION – SEE 10/A4.1 (3 TYP.).
11. DEMISING WALL – G.C. TO MAINTAIN INTEGRITY OF WALL WITH ALL NEW CONSTRUCTION PROPOSED. THERE SHALL BE NO PENETRATIONS THROUGH DEMISING WALLS. CONTRACTOR TO MAINTAIN FIRE AND SMOKE SEPARATION. G.C. SHALL VERIFY EXISTING OR INSTALL NEW BATT INSULATION OR SOUND BATT IN EXISTING WALL TO UNDERSIDE OF EXISTING ROOF DECK. (TYPICAL AT TENANT SEPARATION WALLS IF ACCESSIBLE).
12. LOCATION NEW DMARC PANEL.
13. INSTALL 1/2" WIDE x 4" TALL ADDRESS NUMBERS OR LETTERS ON CONTRASTING BACKGROUND AT CENTER OF TRANSOM ABOVE ENTRY DOOR.
14. INSTALL 1/2" WIDE x 4" TALL ADDRESS NUMBERS OR LETTERS ON CONTRASTING BACKGROUND AT CENTER OF ENTRY DOOR AT 66" ABOVE ADJACENT WALKING SURFACE.
15. EXISTING STEEL COLUMN. INSTALL MTL. STUD AND GYPSUM BOARD COLUMN ENCLOSURE. SEE PARTITION TYPE 6.
16. INSTALL FIRE–TREATED PLYWOOD BEHIND GYP. BD. FROM FIN. SHELF TO 10'–0" A.F.F. INSTALL AS REQUIRED TO MEET ANY AND ALL APPLICABLE BUILDING CODES.
17. STONE FINISH SHALL RETURN TO REAR NICHE WALL BOTH SIDES. PROVIDE 1/4" SPACE BETWEEN EDGE OF STONE AND FINISHED WALL AS REQUIRED FOR WALL COVERING INSTALLATION.
18. WATER HEATER LOCATED ON PLATFORM ABOVE – SEE 14/A4.1.

GENERAL NOTES:

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS. NOTIFY THE DESIGNER IN RESPONSIBLE CHARGE WITH ANY DISCREPANCIES.
2. ALL FIRE PROTECTION, MECHANICAL, ELECTRICAL & PLUMBING IMPROVEMENTS SHALL BE PERFORMED BY CONTRACTORS LICENSED AND CERTIFIED FOR EACH RESPECTIVE TRADE AS REQUIRED IN THE STATE OF MISSOURI, JACKSON COUNTY AND THE CITY OF LEE'S SUMMIT AND WITH LOCAL AUTHORITIES HAVING JURISDICTION REGARDING THE PROJECT SITE.
3. EXISTING PARTITIONS TO REMAIN UNLESS NOTED OTHERWISE.
4. NEW PARTITIONS SHOWN SHADED. SEE: PARTITION TYPES.
5. INSTALL BLOCKING AT WALLS AS REQUIRED BY MANUFACTURER SPECIFICATIONS FOR ALL WALL MOUNTED EQUIPMENT AND FURNISHINGS. BLOCKING AND SHEATHING TO BE FIRE RETARDANT PER CODE.
6. ALL EQUIPMENT TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR AND GENERAL CONTRACTOR'S REPRESENTATIVES PER ANY AND ALL APPLICABLE CODES.
7. EXISTING TENANT ENTRY & EXIT DOORS TO REMAIN. BUILDING OWNER TO ENSURE THAT EXISTING HARDWARE TO REMAIN IS IN OPERABLE CONDITION AS REQUIRED PER CODE OR INSTALL NEW HARDWARE PER CODE.
8. PATCH AND REPAIR EXISITNG CONCRETE FLOORS AS REQUIRED TO PROVIDE LEVEL FINISH.
9. FIRE, SMOKE AND OTHER SEPARATIONS OR BARRIERS BETWEEN BUILDING TENANTS, AS REQUIRED BY BUILDING CODES, SHALL BE PROVIDED AND INSTALLED BY BUILDING OWNER PER ANY AND ALL APPLICABLE BUILDING CODES.
10. GENERAL CONTRACTOR TO INSTALL CONCRETE SLAB SYSTEM PER THE ARCHITECTURAL AND STUCTURAL DRAWINGS OF THE APPROVED SHELL BUILDING DRAWINGS.

STATE OF MISSOURI
BRADLEY COLLINS PETERSON
NUMBER A–6865
REGISTERED ARCHITECT
SEAL 02.25.21
CERTIFICATE OF AUTHORITY
MISSOURI LIC. #2014008379
BRADLEY COLLINS PETERSON
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131 east drake avenue
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ISSUES / REVISIONS :

NO.	DATE	REMARKS

TENANT BUILD OUT
MassageLuXe - Summit at West Pryor
940 NW Pryor Road
Lee's Summit, MO 64081
FLOOR PLAN

PROJECT NUMBER
20022

PROJECT PHASE
CONTRACT DOCUMENTS

DRAWN BY:
BCP

CHECKED BY:
BCP

DATE:
02.25.2021

SHEET NO.
A1.1

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
BY CLARENCE ROGERS
LEE'S SUMMIT, MISSOURI
03/22/2021

LIGHTING FIXTURE SCHEDULE

	FIXTURE DESCRIPTION	MANUFACTURER	MODEL OR SERIES	VOLTAGE	LAMP DATA		MOUNTING	NOTES
					QTY	WATTAGE		
A	6" OPEN DOWNLIGHT – LED	LITHONIA	LDN6-27/05-L06-WR-MVOLT-EZ1	MVOLT	1	8	RECESSED	
A1	4" OPEN DOWNLIGHT – LED	LITHONIA	LDN4-27/05-L06-WR-MVOLT-EZ1	MVOLT	1	9	RECESSED	
B	6" OPEN WALLWASH – LED	LITHONIA	LDN6-27/05-LW6-WR-MVOLT-EZ1	MVOLT	1	8	RECESSED	
C	WALL SCONCE – HYDRO LUXE AND MASSAGE ROOMS	ALLEN + ROTH	WS145BNK		1	60	SURFACE @ 72" A.F.F.	CENTER HORIZNTALLY ON WALL
D	WALL SCONCE – RESTROOMS	TRANS GLOBE LIGHTING	VANITY BAR – 20333 BK		3	100	SURFACE @ 86" A.F.F.	
E	2'X4' RECESSED FIXTURE – LED	LITHONIA	2ESL4-40L-MDR-EZ1-LP830	MVOLT	1	38	RECESSED	
F	3" GENERAL PURPOSE STRIP FIXTURE – LED	LITHONIA	CLX L36 3000LM SEF FDL GZ10 30K 80CRI WH	MVOLT	1	21	SURFACE	
G	4" GENERAL PURPOSE STRIP FIXTURE – LED	LITHONIA	CLX L48 3000LM SEF FDL GZ10 30K 80CRI WH	MVOLT	1	21	SURFACE	
X1	EMERGENCY BATTERY UNIT – LED HEADS	LITHONIA	ELM2 LED	120/277	2	2	SURFACE	WITH BATTERY BACK UP
X2	THERMOPLASTIC EXIT SIGNS WITH HEADS	LITHONIA	LHQM LED R	120/277	2	5	SURFACE	WITH BATTERY BACK UP

NOTES:
1. PROVIDE BATTERY BACKUP POWER FOR FIXTURES NOTED AS "EMERGENCY".
2. MOUNTING OF FIXTURES IS MEASURED FROM BOTTOM OF FIXTURE TO FINISHED FLOOR.

NOTE: SEE ELECTRICAL DRAWINGS FOR FIXTURE TYPE AND MANUFACTURER. FIXTURES ON ELECTRICAL DRAWINGS SHALL SUPERCEDE FIXTURES IN THIS SCHEDULE.

ELECTRICAL NOTES:
1. ELECTRIC OUTLETS, SWITCHES AND PLATES TO BE WHITE IN COLOR THROUGHOUT (EXCEPT IN WOMEN AND MEN RESTROOMS AND THE LUXE LOUNGE).
2. ELECTRIC OUTLETS, SWITCHES AND PLATES TO BE DARK BROWN IN COLOR IN WOMEN AND MEN RESTROOMS AND THE LUXE LOUNGE.
3. INSTALL MOTION ACTIVATED LIGHT SWITCHES AT RESTROOMS. SET LIGHTS TO STAY ON FOR TEN MINUTES MINIMUM.
4. INSTALL WHITE METAL OUTLET PLATES @ CORRIDOR OUTLETS (TYPICAL).
5. OUTLET @ TELEVISION SCREEN BEHIND RECEPTION DESK TO BE RECESSED STYLE.
6. OUTLET @ TELEVISION SCREEN ABOVE LUXE LOUNGE CABINET TO BE RECESSED STYLE.

TELEVISION JUNCTION BOX NOTES:
1. VERIFY WITH TENANT LOCATION OF OPTIONAL WALL MOUNTED TELEVISION LOCATION AT STAFF ROOM AND OFFICE.
2. PROVIDE & INSTALL BLOCKING AS REQUIRED FOR OPTIONAL WALL MOUNTED TELEVISION (IF APPLICABLE).

WALL-HUNG COMPUTER SCREEN NOTES:
1. PROVIDE & INSTALL BLOCKING AS REQUIRED FOR WALL MOUNTED COMPUTER SCREEN.

DATA/COMMUNICATION NOTES:
1. 1 RUN FROM DMARC PANEL IN STAFF AREA TO DATA/COMM PANEL/SHELF IN OFFICE.
2. 2 RUNS CAT5E FROM DATA/COMM PANEL/SHELF IN OFFICE TO RECEPTION DESK.
3. 1 RUN CAT5E FROM DATA/COMM PANEL/SHELF IN OFFICE TO OFFICE DESK.
4. 1 RUN CAT5E FROM DATA/COMM PANEL/SHELF IN OFFICE TO TELEVISION AT STAFF AREA.
4. TERMINATE AND PUNCH DOWN AT ALL DATA AND COMMUNICATION LOCATIONS.
5. G.C. TO FIELD VERIFY DMARC LOCATION AT STAFF ROOM.

SPEAKER SYSTEM NOTES:
1. SPEAKER WIRE TYPE: 18G 2/C TYPE CMP-CL2P.
2. SPEAKERS TO BE "DAISYCHAINED"

FIRE ALARM SYSTEM NOTE:
ANY MODIFICATIONS TO THE EXISTING FIRE ALARM SYSTEM SHALL BE SUBMITTED ON SEPARATE SETS OF SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION OR MODIFICATION.

FIRE SPRINKLER SYSTEM NOTE:
ANY MODIFICATIONS TO THE EXISTING FIRE SPRINKLER SYSTEM SHALL BE SUBMITTED ON SEPARATE SETS OF SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION OR MODIFICATION.

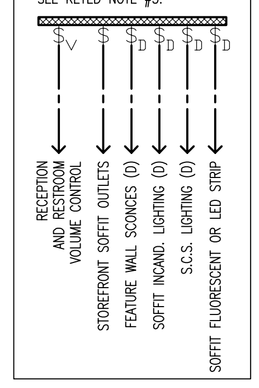
SUSPENDED CEILING SYSTEM NOTE:
SEE DRAWING SHEET "A5.3 SEISMIC DETAILS" FOR SUSPENDED CEILING SYSTEM SEISMIC DETAILS AND NOTES.

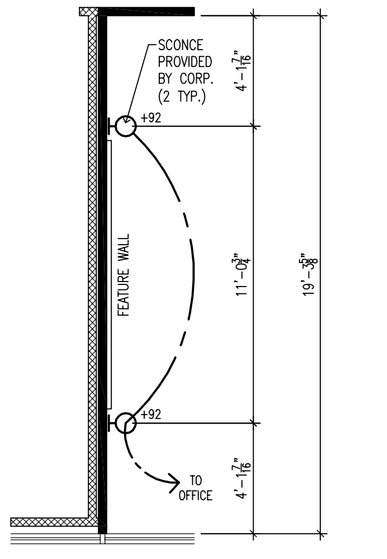
SYMBOLS LEGEND
REFLECTED CEILING PLAN

- WALL SCONCE
- INCANDESCENT DOWNLIGHT 6" DIA. – EMERGENCY
- INCANDESCENT DOWNLIGHT # INDICATES DIA. IN INCHES 4" DIA. AT NICHE LOCATIONS 6" DIA. THROUGHOUT U.N.O.
- INCANDESCENT WALL WASHER # INDICATES DIA. IN INCHES 4" DIA. AT NICHE LOCATIONS 6" DIA. THROUGHOUT U.N.O.
- SURFACE MOUNTED PENDANTS
- RECESSED FLOURESCENT 2x4 LIGHT FIXTURE
- RECESSED FLOURESCENT 2x4 LIGHT FIXTURE – EMERGENCY
- (S) SPEAKER (RECESSED CEILING TYPE – NO SURFACE MOUNT ALLOWED)
- EXIT SIGN (DIRECTIONAL)
- COMBINATION EXIT LIGHTING AND EXIT SIGN (DIRECTIONAL)
- COMBINATION EXIT LIGHTING AND EXIT SIGN (DIRECTIONAL)
- E EXTERIOR EMERGENCY EGRESS LIGHTING
- SINGLE POLE SWITCH
- SINGLE POLE DIMMER SWITCH
- THREE WAY SWITCH
- SINGLE POLE SWITCH – # INDICATES LOCATION A.F.F.
- VOLUME CONTROL
- EXHAUST FAN
- 2'x2' SUPPLY AIR DIFFUSER T/O 1'x1' SUPPLY AIR DIFFUSER @ RECEPTION SOFFIT
- 2'x2' AIR DIFFUSER RETURN

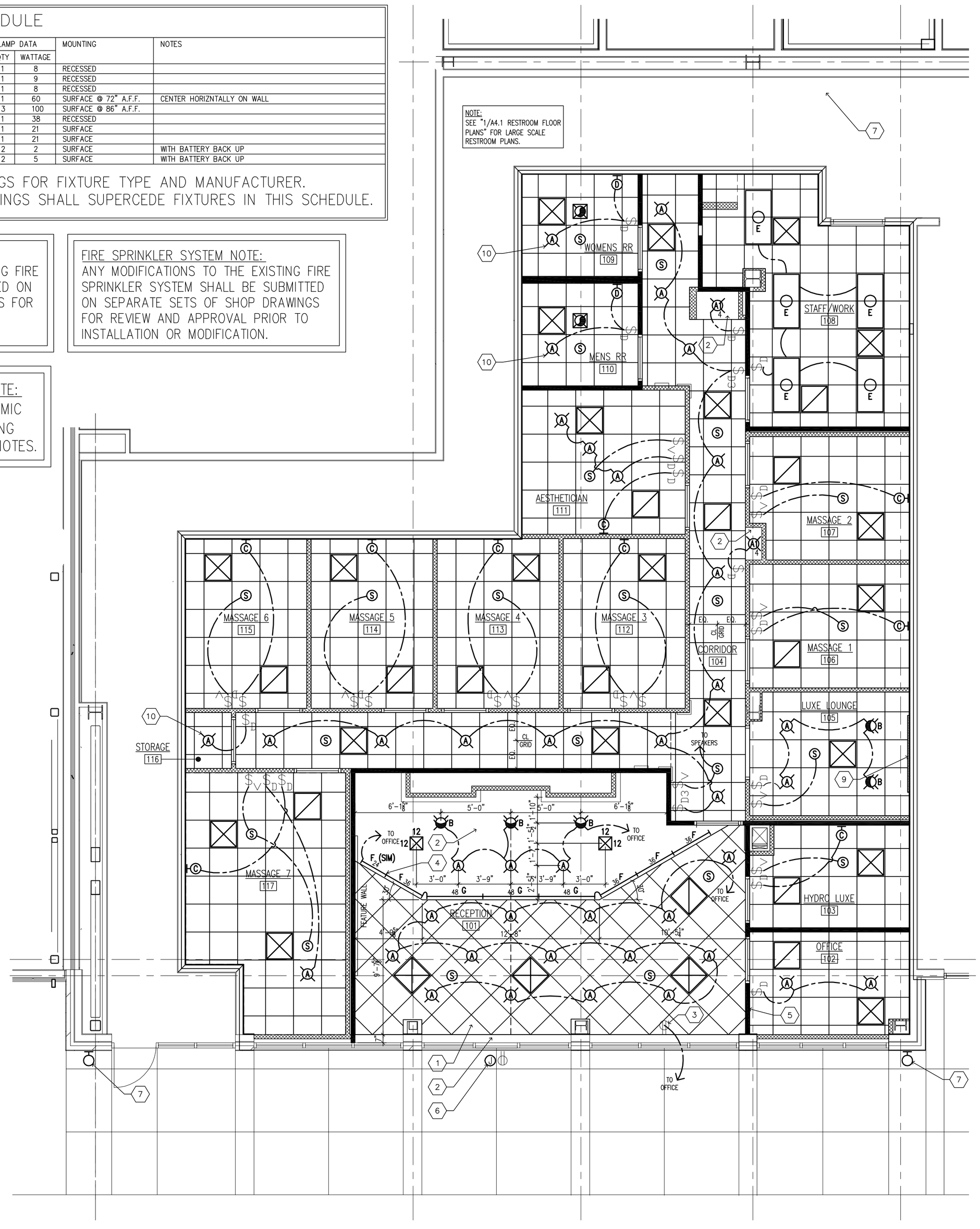
SWITCH BANK

NOTE:
SWITCHES TO BE LOCATED IN SWITCH BANK AT OFFICE #102. SEE KEYED NOTE #5.





2 FEATURE WALL PLAN
SALE: 1/4" = 1'-0"



1 REFLECTED CEILING PLAN
SALE: 1/4" = 1'-0"

REFLECTED CELING PLAN KEYED NOTES

THIS SHEET ONLY
(X) (SHOWN THUS TYPICAL)

1. SUSPENDED CEILING SYSTEM TURNED 45 DEGREES – SEE DETAILS AND ROOM FINISH SCHEDULE.
2. SOFFIT W/ GYP. BD. FINISH – SEE: DETAILS.
3. INSTALL DUPLEX OUTLET @ SOFFIT ABOVE AS REQUIRED FOR INTERIOR SIGNAGE DISPLAY (1 TYP.). CENTER OUTLET AT CENTER OF WINDOW PANEL BELOW. INSTALL SWITCH AT SWITCH BANK TO CONTROL OUTLETS.
4. LED LIGHTING @ SOFFIT – SEE LIGHTING SCHEDULE & ELECTRICAL DRAWINGS. # INDICATES LENGTH OF BULB IN INCHES (FIELD VERIFY).
5. SWITCH BANK LOCATION.
6. INSTALL NEW OUTLET & JUNCTION BOX AS REQUIRED FOR ELECTRICAL SUPPLY AND TIMER FOR EXTERIOR SIGN INSTALLATION – COORDINATE W/ SIGN VENDOR, LANDLORD & TENANT (VERIFY LOCATIONS).
7. EXIST. EXTERIOR AND INTERIOR EGRESS LIGHTING (TYPICAL).
8. NOT USED.
9. THE SUSPENDED CEILING SYSTEM SHALL BE INSTALLED TO CONFORM TO THE SHAPE OF THE ACCENT WALL "BUMP OUT". DO NOT INSTALL THE SUSPENDED CEILING SYSTEM ABOVE OR "THROUGH" THE ACCENT WALL "BUMP OUT".
10. LIGHT & SWITCH THIS ROOM SHALL HAVE SENSOR/TIMER OVERIDE TO SHUT OFF LIGHT WHEN NOT IN USE. SET TIMER TO 10 MINUTES MAXIMUM.

NOTE:
SEE "1/A1.0 LIFE SAFETY PLAN" FOR EMERGENCY LIGHTING AND EMERGENCY EXIT LIGHTING LOCATIONS.

GENERAL NOTES:

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS. NOTIFY THE DESIGNER IN RESPONSIBLE CHARGE WITH ANY DISCREPANCIES.
2. ALL FIRE PROTECTION, MECHANICAL, ELECTRICAL & PLUMBING IMPROVEMENTS SHALL BE PERFORMED BY CONTRACTORS LICENSED AND CERTIFIED FOR EACH RESPECTIVE TRADE AS REQUIRED IN THE STATE OF MISSOURI, JACKSON COUNTY, THE CITY OF LEE'S SUMMIT AND WITH LOCAL AUTHORITIES HAVING JURISDICTION REGARDING THE PROJECT SITE.
3. PROVIDE & INSTALL LIGHTING & MECHANICAL AIR DEVICES AS REQUIRED FOR PROPER APPEARANCE & SYSTEM PERFORMANCE – SEE: SPECIFICATIONS.
4. NEW EMERGENCY EXIT SIGNAGE AND LIGHTING SYSTEM WITH 90 MINUTE BATTERY BACK-UP TO BE WIRED AND INTERCONNECTED ACCORDING TO ANY AND ALL APPLICABLE BUILDING CODES. COORDINATE INSTALLATION WITH LANDLORD AND OWNER. SEE ELECTRICAL DRAWINGS FOR FIXTURE LOCATIONS.
5. NEW OR EXISTING EMERGENCY EGRESS LIGHTING SYSTEM WITH 90 MINUTE BATTERY BACK-UP TO BE WIRED AND INTERCONNECTED ACCORDING TO ANY AND ALL APPLICABLE BUILDING CODES. COORDINATE INSTALLATION WITH LANDLORD AND OWNER. SEE ELECTRICAL DRAWINGS FOR FIXTURE LOCATIONS.
6. ALL EQUIPMENT TO BE PROVIDED AND INSTALLED BY OWNER AND OWNERS REPRESENTATIVE PER ANY AND ALL APPLICABLE CODES.
7. INSTALL FIRE SUPPRESSION/ SPRINKLER SYSTEM. CONTRACTOR TO TEST AND CONFIGURE SYSTEM AS REQUIRED FOR PROPER SYSTEM PERFORMANCE AND TO CONFORM TO ANY AND ALL APPLICABLE BUILDING CODES.
8. CONTRACTOR TO INSTALL COMPLETE HVAC SYSTEM – SEE MECHANICAL DRAWINGS.
9. CONTRACTOR/BUILDING OWNER TO PROVIDE/INSTALL EXIT ACCESS LIGHTING @ EXTERIOR EXIT LOCATIONS AS REQUIRED BY CODE.
10. ELECTRICAL CONTRACTOR TO VERIFY LIGHTING PLAN PROVIDES MIN. LIGHTING AS REQUIRED BY CODE – NOTIFY ARCHITECT WITH ANY DISCREPANSIES.
11. IF THE PLENUM SPACE BETWEEN THE SUSPENDED CEILING AND THE ROOF DECK IS USED AS A RETURN AIR PLENUM – THERE SHALL BE NO COMBUSTIBLE MATERIALS PRESENT IN THE PLENUM SPACE.
12. SUSPENDED ACOUSTICAL CEILING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF ASTM C 635 AND ASTM C 636.
13. INSTALL #TR-AP024 ACCESS PANEL AT GYPSUM BOARD CEILING IF ACCESS PANEL IS REQUIRED. INSTALL SIZE OF OPENING PER APPLICABLE BUILDING CODE.
14. SEE DWG. 1/A1.1 FOR ACTUAL DIMENSIONS.
15. SUSPENDED CEILING SYSTEM SHALL BE CENTERED IN THE CORRIDOR AS SHOWN.
16. SUSPENDED CEILING SYSTEM SHALL BE CENTERED IN EACH ROOM AS SHOWN.

STATE OF MISSOURI
BRADLEY COLLINS PETERSON
NUMBER A-6865
REGISTERED ARCHITECT
SEAL 02.25.21

CERTIFICATE OF AUTHORITY
MISSOURI LIC. #2014008379
BRADLEY COLLINS PETERSON
MISSOURI LIC. #006865

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131 east drake avenue
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phone: 314.968.2899 or 314.402.7265
www.bradley-collins.com

ISSUES / REVISIONS :

NO.	DATE	REMARKS

TENANT BUILD OUT

MassageLuXe - Summit at West Pryor
940 NW Pryor Road
Lee's Summit, MO 64081

REFLECTED CEILING PLAN

PROJECT NUMBER
20022

PROJECT PHASE
CONTRACT DOCUMENTS

DRAWN BY:
BCP

CHECKED BY:
BCP

DATE:
02.25.2021

SHEET NO.
A1.2

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DOES NOT RELIEVE CONTRACTOR
LEE'S SUMMIT, MISSOURI
03/22/2021

ELECTRICAL SYMBOLS LEGEND

- DUPLEX ELECTRICAL RECEPTACLE
- DED — DUPLEX ELECTRICAL RECEPTACLE ("DED" INDICATES DEDICATED OUTLET)
- GFCI — DUPLEX ELECTRICAL RECEPTACLE (GROUND FAULT CIRCUIT INTERUPTOR)
- DISP — ELECTRICAL RECEPTACLE – INSTALL AS REQUIRED FOR DISPOSAL
- +# — DUPLEX ELECTRICAL RECEPTACLE (# INDICATES CENTER LINE LOCATION ABOVE FINISHED FLOOR IN INCHES)
- 220V — 220V ELECTRICAL RECEPTACLE
- QUADRUPLEX ELECTRICAL RECEPTACLE
- RECESSED FLOOR DUPLEX ELECTRICAL RECEPTACLE LOCATED AT CENTER OF EACH ROOM IN EACH DIRECTION
- DATA/TELEPHONE OUTLET
- ELECTRIC PANEL

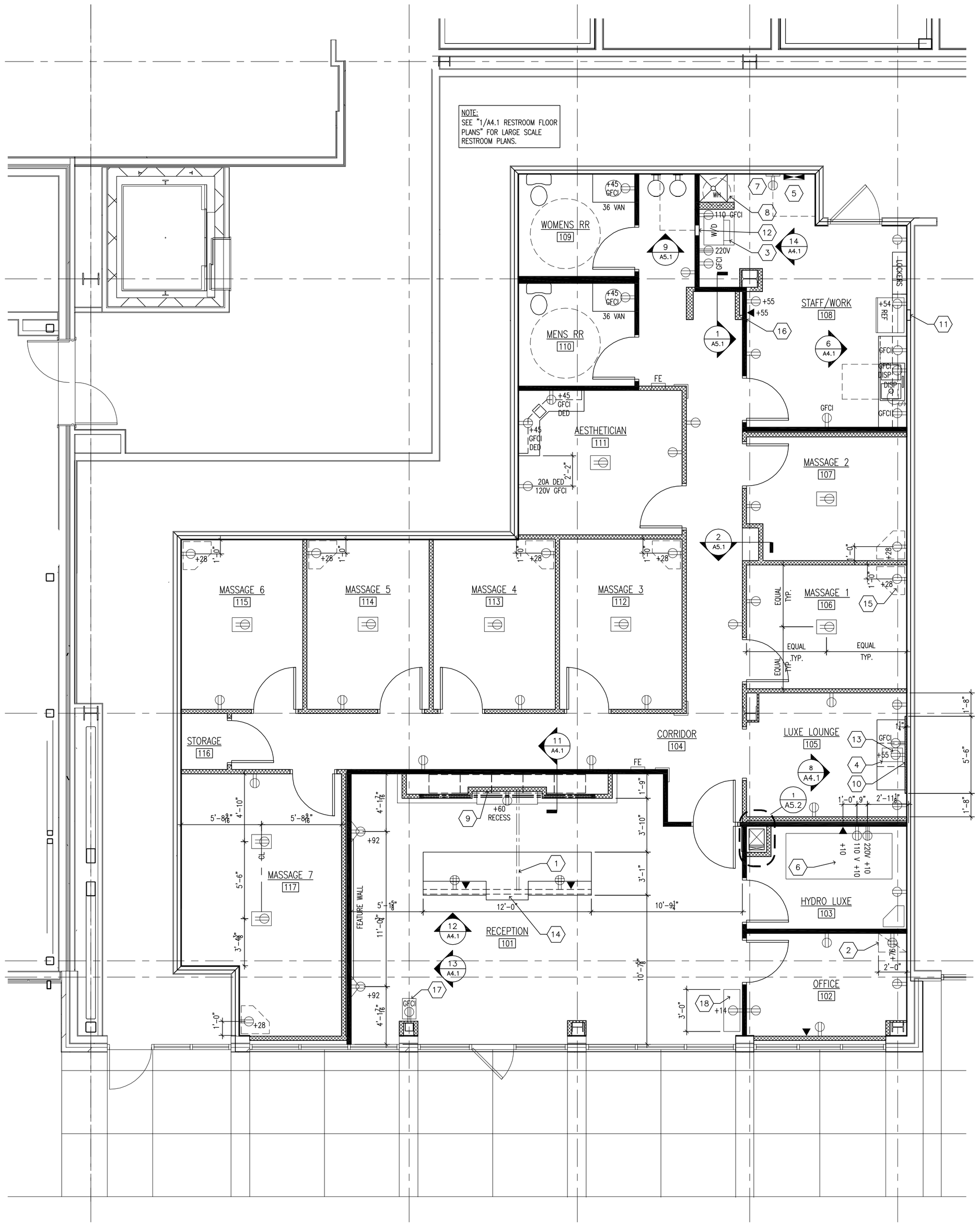
ELECTRICAL OUTLET NOTE:
DUPLEX OUTLETS LOCATED ON OPPOSITE SIDES OF THE SAME WALL SHALL NOT BE LOCATED IN THE SAME WALL CAVITY.

ELECTRICAL NOTES:
1. ELECTRIC OUTLETS, SWITCHES AND PLATES TO BE WHITE IN COLOR THROUGHOUT (EXCEPT IN WOMEN AND MEN RESTROOMS AND THE LUXE LOUNGE).
2. ELECTRIC OUTLETS, SWITCHES AND PLATES TO BE DARK BROWN IN COLOR IN WOMEN AND MEN RESTROOMS AND THE LUXE LOUNGE.
3. INSTALL MOTION ACTIVATED LIGHT SWITCHES AT RESTROOMS. SET LIGHTS TO STAY ON FOR TEN MINUTES MINIMUM.
4. INSTALL WHITE METAL OUTLET PLATES @ CORRIDOR OUTLETS (TYPICAL).
5. OUTLET @ TELEVISION SCREEN BEHIND RECEPTION DESK TO BE RECESSED STYLE.
6. OUTLET @ TELEVISION SCREEN ABOVE LUXE LOUNGE CABINET TO BE RECESSED STYLE.

DATA/COMMUNICATION NOTES:
1. 1 RUN FROM DMARC PANEL IN STAFF AREA TO DATA/COMM PANEL/SHELF IN OFFICE.
2. 2 RUNS CAT5E FROM DATA/COMM PANEL/SHELF IN OFFICE TO RECEPTION DESK.
3. 1 RUN CAT5E FROM DATA/COMM PANEL/SHELF IN OFFICE TO OFFICE DESK.
4. 1 RUN CAT5E FROM DATA/COMM PANEL/SHELF IN OFFICE TO TELEVISION AT STAFF AREA.
4. TERMINATE AND PUNCH DOWN AT ALL DATA AND COMMUNICATION LOCATIONS.
5. G.C. TO FIELD VERIFY DMARC LOCATION AT STAFF ROOM.

TELEVISION JUNCTION BOX NOTES:
1. VERIFY WITH TENANT LOCATION OF OPTIONAL WALL MOUNTED TELEVISION LOCATION AT STAFF ROOM AND OFFICE.
2. PROVIDE & INSTALL BLOCKING AS REQUIRED FOR OPTIONAL WALL MOUNTED TELEVISION (IF APPLICABLE).

WALL-HUNG COMPUTER SCREEN NOTES:
1. PROVIDE & INSTALL BLOCKING AS REQUIRED FOR WALL MOUNTED COMPUTER SCREEN.



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

POWER PLAN KEYED NOTES

THIS SHEET ONLY
(X) (SHOWN THUS TYPICAL)

1. INSTALL CONDUIT BELOW SLAB (2 TYP.) FOR ELECTRIC AND DATA SUPPLY TO BELOW DESK
(1) 3/4" DIA. DATA FROM DESK TO DMARC AT OFFICE.
(1) 3/4" DIA. 110V TO DESK
2. DATA/COMM. SHELF – SEE 1/A1.1.
3. STACKED WASHER/DRYER MODEL #DLE2516W & WM2140CW BY LG. VENT DRYER TO EXTERIOR AS REQUIRED BY CODE.
NOTE:
GFCI OUTLET AT WASHER/DRUER LOCATION SHALL BE ACCESSIBLE TO REACH AS REQUIRED TO MANUALLY RESET OUTLET.
4. QUENCH Q7 COUNTERTOP WATER DISPENSER. PROVIDE & INSTALL 1/4" WATER SUPPLY TO BELOW COUNTER. SEE CONSTRUCTION MANUAL.
5. LOCATION EXISTING ELECTRICAL PANEL – SEE ELECTRICAL DRAWINGS.
6. HYDRO LUXE BED.
7. DMARC PANEL – VERIFY LOCATION (SEE FLOOR PLAN).
8. WATER HEATER AT PLATFORM ABOVE MOP SINK. SECURE WATER HEATER TO PLATFORM AND WALL AS REQUIRED BY CODE. INSTALL GALV. MTL. PAN W/ 2" LIP & DRAIN AS REQUIRED BY CODE– SEE PLUMBING DRAWINGS.
9. LOCATION WALL MOUNTED TELEVISION SCREEN. INSTALL FLAT, NON–ARTICULATING TELEVISION MOUNTING SYSTEM. MODEL #DXTVM113 BY DYNEX. INSTALL BLOCKING AS REQUIRED. MOUNT 65" A.F.F. AT CENTER OF NICHE.
10. LOCATION WALL MOUNTED TELEVISION SCREEN. INSTALL FLAT, NON–ARTICULATING TELEVISION MOUNTING SYSTEM. MODEL #DXTVM113 BY DYNEX. INSTALL BLOCKING AS REQUIRED. MOUNT 60" A.F.F. AT CENTER "BUMP OUT".
11. RECESSED ICE MAKER BOX W/ WATER SUPPLY. PROVIDE & INSTALL AS REQUIRED BY CODE.
12. LOCATION RECESS MOUNTED WASHER BOX. PROVIDE & INSTALL WASHER BOX AS REQUIRED BY CODE.
13. CENTER OUTLET @ WALL ABOVE COUNTER (RECESSED).
14. RECEPTION DESK PROVIDED BY OTHERS – INSTALLED BY GENERAL CONTRACTOR.
15. LOCATION SHELVING UNIT @ EACH MASSAGE ROOM. SEE RESPONSIBILITY MATRIX. INSTALL OUTLET BEHIND SHELVING UNIT 1'–0" HORIZ. FROM NEAREST ROOM CORNER AND 28" ON CENTER A.F.F. (7 TYP.).
16. LOCATION WALL MOUNTED TELEVISION SCREEN. INSTALL FLAT, NON–ARTICULATING TELEVISION MOUNTING SYSTEM. MODEL #DXTVM113 BY DYNEX. INSTALL BLOCKING AS REQUIRED. MOUNT 60" A.F.F. COORDINATE LOCATION WITH TENANT.
17. QUENCH 7 FREE STANDING WATER DISPENSER. PROVIDE & INSTALL 1/4" WATER SUPPLY. SEE CONSTRUCTION MANUAL.
18. 36" WIDE PRODUCT SHELF.

GENERAL NOTES:

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS. NOTIFY ARCHITECT OF RECORD WITH ANY DISCREPANCIES.
2. ALL FIRE PROTECTION, MECHANICAL, ELECTRICAL & PLUMBING IMPROVEMENTS SHALL BE PERFORMED BY CONTRACTORS LICENSED AND CERTIFIED FOR EACH RESPECTIVE TRADE AS REQUIRED IN THE STATE OF MISSOURI, JACKSON COUNTY, THE CITY OF LEE'S SUMMIT AND WITH LOCAL AUTHORITIES HAVING JURISDICTION REGARDING THE PROJECT SITE.
3. NEW PARTITIONS SHOWN SHADED. SEE: PARTITION TYPES.
4. INSTALL FIRE RETARDANT BLOCKING AND SHEATHING AT WALLS AS REQUIRED BY MANUFACTURER SPECIFICATIONS FOR ALL WALL MOUNTED EQUIPMENT AND FURNISHINGS.
5. ALL EQUIPMENT TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR AND GENERAL CONTRACTOR'S REPRESENTATIVES PER ANY AND ALL APPLICABLE CODES.
6. SEE DWG. 1/A1.1 FOR ACTUAL DIMENSIONS.

STATE OF MISSOURI
BRADLEY COLLINS PETERSON
NUMBER A-006865
REGISTERED ARCHITECT
SEAL 02.25.21

CERTIFICATE OF AUTHORITY
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ISSUES / REVISIONS :

NO.	DATE	REMARKS

TENANT BUILD OUT

MassageLuXe - Summit at West Pryor
940 NW Pryor Road
Lee's Summit, MO 64081

POWER PLAN

PROJECT NUMBER
20022

PROJECT PHASE
CONTRACT DOCUMENTS

DRAWN BY:
BCP

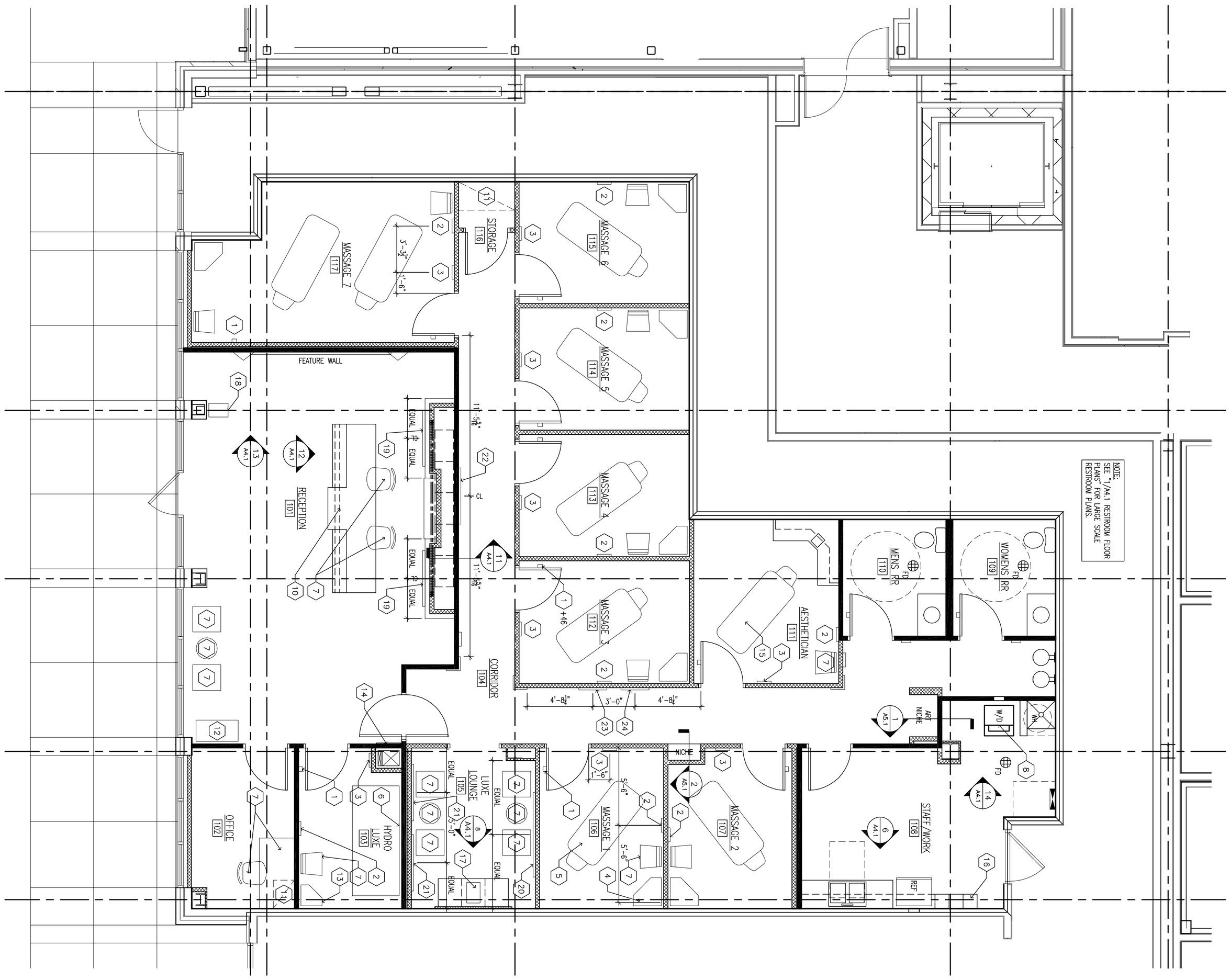
CHECKED BY:
BCP

DATE:
02.25.2021

SHEET NO.
A1.3
5 OF 14

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

03/22/2021



1 FIXTURE & EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"

N

FIXTURE & EQUIPMENT PLAN KEYED NOTES

THIS SHEET ONLY

(X) (SHOWN THUS TYPICAL)

1. ROBE HOOK – BOBRICK MODEL #B-7672 MOUNTED ON BACK OF DOOR @ EACH RESTROOM, MASSAGE ROOM AND ON WALL @ HYDRO LUXE ROOM @ 72" A.F.F. & 40" A.F.F. @ ADA COMPLIANT THERAPY ROOM, RESTROOMS & MULTI PURPOSE ROOM (12 TYP.).
2. BATTERY OPERATED WALL MOUNTED CLOCK @ EACH MASSAGE ROOM AND HYDRO LUXE ROOM MOUNTED @ C.L. 80" A.F.F. MOUNT CLOCK ON CENTER OF WALL HORIZONTALLY AS SHOWN (9 TYP.).
3. WALL MOUNTED MIRROR @ 62" A.F.F. (CENTERLINE) & 1'-6" HORIZONTALLY FROM EDGE OF DOOR CASING. LOCATE AS DIMENSIONED (9 TYP.).
4. LOCATION SHELVING UNIT @ EACH MASSAGE ROOM. SEE RESPONSIBILITY MATRIX (7 TYP.).
5. MASSAGE TABLE BY TENANT (8 TYP.).
6. HYDRO LUXE THERAPY TABLE.
7. FURNITURE BY TENANT.
8. WASHER/DRYER – SEE 1/A1.3. INSTALL WASHER BOX AND VENT DRYER TO EXTERIOR AS REQUIRED BY CODE.
9. NOT USED.
10. RECEPTION DESK FABRICATED BY OTHERS – INSTALLED BY G.C.
11. SHELVING (VERIFY TYPE WITH TENANT).
12. 3'-0" PRODUCT DISPLAY SHELVING BY TENANT.
13. LOCATION SHELVING UNIT @ HYDRO LUXE. SEE RESPONSIBILITY MATRIX (1 TYP.).
14. HYDRO MASSAGE COOLING VENT. SEE DIAGRAM AND SPECIFICATIONS THIS DRAWING SHEET & DWG. 1/A5.2.
15. AESTHETICIAN TABLE BY TENANT (1 TYP.).
16. METAL LOCKERS – ULINE MODEL #H-1393T (3 WIDE X 6 TALL = 18 EACH) WITH 6" BASE AND HASP HANDLES. TWO LOCKERS AT ROW THREE FROM THE BOTTOM W/ HASP HANDLES AT 36" A.F.F. SHALL BE DESIGNATED AS ADA COMPLIANT. LOCKERS SHALL BE PROVIDED BY AND INSTALLED BY G.C.
17. "QUENCH 07" COUNTERTOP WATER DISPENSER. G.C. TO PROVIDE AND INSTALL ELECTRICAL SUPPLY AND WATER SUPPLY. DISPENSER PROVIDED AND INSTALLED BY OTHERS.
18. "QUENCH 07" FREE STANDING WATER DISPENSER. G.C. TO PROVIDE AND INSTALL ELECTRICAL SUPPLY AND WATER SUPPLY. DISPENSER PROVIDED AND INSTALLED BY OTHERS.
19. "GLACIER 1 & 2" ARTWORK. MOUNT ON STONE WALL W/ T.O. ARTWORK AT 96" A.F.F. – ARTWORK PROVIDED BY FRANCHISEE – INSTALLED BY G.C.
20. "CUSTOM SHORE 1 & 2" ARTWORK. MOUNT ON WALL W/ BTM. ARTWORK AT 42" A.F.F. – ARTWORK PROVIDED BY FRANCHISEE – INSTALLED BY G.C.
21. "SOUNDWAVES" ARTWORK. MOUNT ON WALL W/ BTM. ARTWORK AT 42" A.F.F. – ARTWORK PROVIDED BY FRANCHISEE – INSTALLED BY G.C.
22. "RIBBONS" ARTWORK. MOUNT ON WALL W/ BTM. ARTWORK AT 36" A.F.F. – ARTWORK PROVIDED BY FRANCHISEE – INSTALLED BY G.C.
23. "MODERA 1" ARTWORK. MOUNT ON WALL W/ BTM. ARTWORK AT 52" A.F.F. – ARTWORK PROVIDED BY FRANCHISEE – INSTALLED BY G.C.
24. "MODERA 2" ARTWORK. MOUNT ON WALL W/ BTM. ARTWORK AT 52" A.F.F. – ARTWORK PROVIDED BY FRANCHISEE – INSTALLED BY G.C.

GENERAL NOTES:

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS. NOTIFY ARCHITECT OF RECORD WITH ANY DISCREPANCIES.
2. ALL FIRE PROTECTION, MECHANICAL, ELECTRICAL & PLUMBING IMPROVEMENTS SHALL BE PERFORMED BY CONTRACTORS LICENSED AND CERTIFIED FOR EACH RESPECTIVE TRADE AS REQUIRED IN THE STATE OF MISSOURI, JACKSON COUNTY, THE CITY OF LEE'S SUMMIT AND WITH LOCAL AUTHORITIES HAVING JURISDICTION REGARDING THE PROJECT SITE.
3. NEW PARTITIONS SHOWN SHADED. SEE: PARTITION TYPES.
4. INSTALL FIRE RETARDANT BLOCKING AND SHEATHING AT WALLS AS REQUIRED BY MANUFACTURER SPECIFICATIONS FOR ALL WALL MOUNTED EQUIPMENT AND FURNISHINGS.
5. ALL EQUIPMENT TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR AND GENERAL CONTRACTOR'S REPRESENTATIVES PER ANY AND ALL APPLICABLE CODES.
6. SEE DWG. 1/A1.1 FOR ACTUAL DIMENSIONS.

TENANT BUILD OUT

MassageLuXe - Summit at West Pryor
940 NW Pryor Road
Lee's Summit, MO 64081

FIXTURE & EQUIPMENT PLAN

ISSUES / REVISIONS :

NO.	DATE	REMARKS

bradley|collins, llc
architecture
131 east drake avenue
st. louis, mo 63119
phone: 314.968.2899 or 314.402.7265
www.bradley-collins.com

BRADLEY COLLINS PETERSON
MISSOURI LIC. #006865
CERTIFICATE OF AUTHORITY
MISSOURI LIC. #2014008379

SEAL
STATE OF MISSOURI
REGISTERED
BRADLEY COLLINS PETERSON
NUMBER A-6865
REGISTERED ARCHITECT
02.25.21

PROJECT NUMBER
20022

PROJECT PHASE
CONTRACT DOCUMENTS

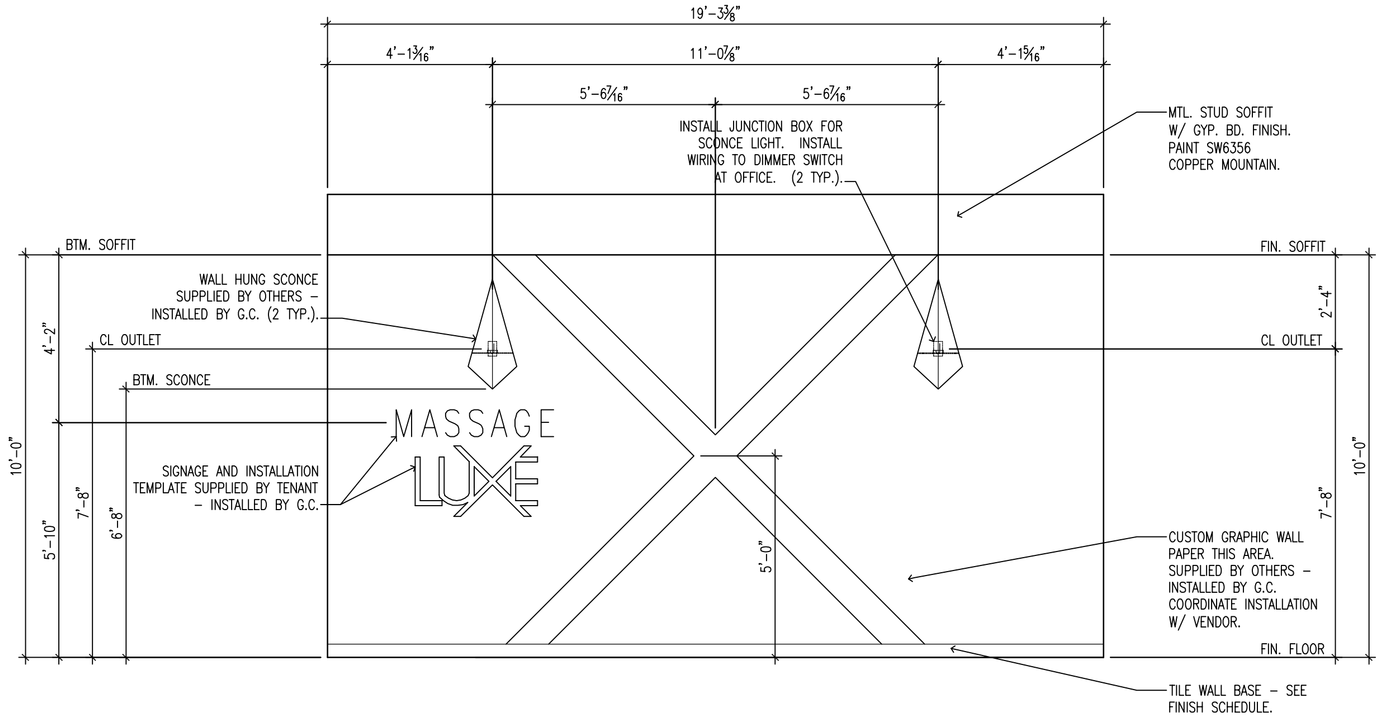
DRAWN BY:
BCP

CHECKED BY:
BCP

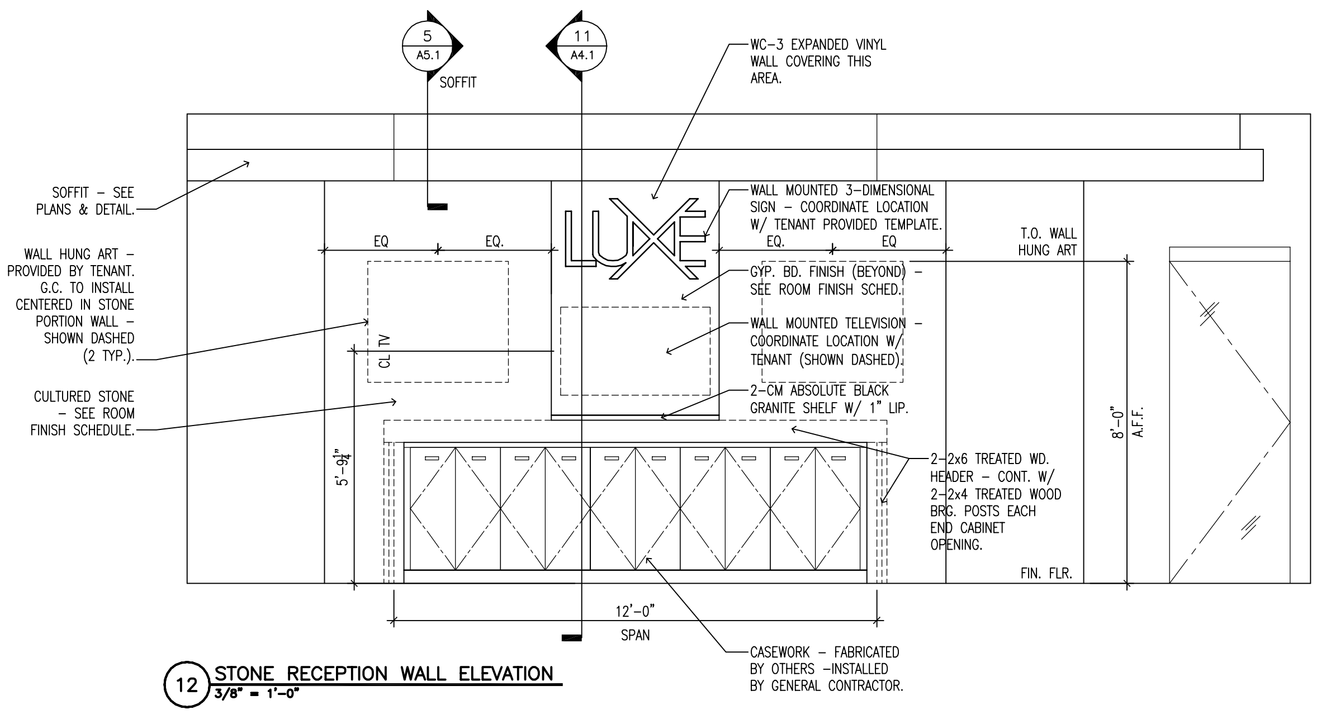
DATE:
02.25.2021

SHEET NO.
A1.4
6 OF 14

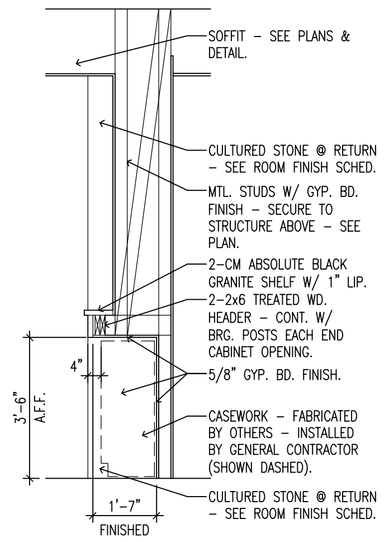
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DOES NOT PERMIT/RELEASE
LEE'S SUMMIT, MISSOURI
03/22/2021



13 FEATURE WALL ELEVATION
SCALE: 3/8" = 1'-0"

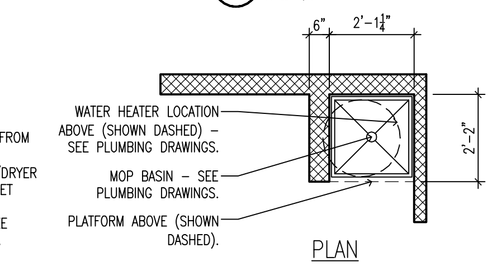


12 STONE RECEPTION WALL ELEVATION
3/8" = 1'-0"

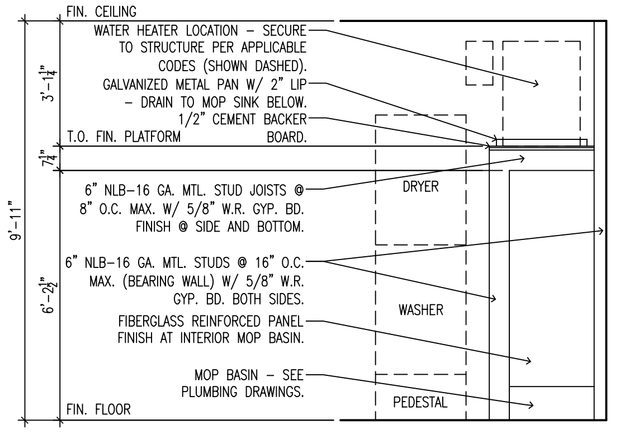


11 CABINET SECTION
3/8" = 1'-0"

NOTES:
1. DIMENSIONS ARE FROM STUD TO STUD.
2. SECURE WASHER/DRYER AS REQUIRED TO MEET SEISMIC CODE REQUIREMENTS – SEE PLUMBING DRAWINGS.

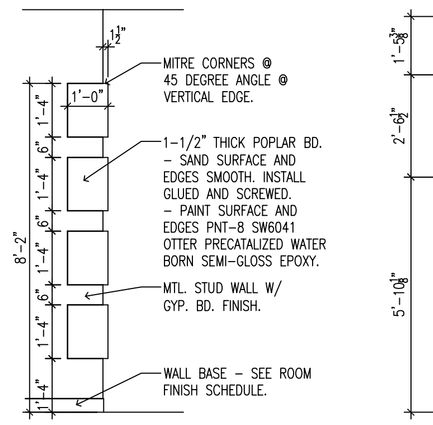


PLAN



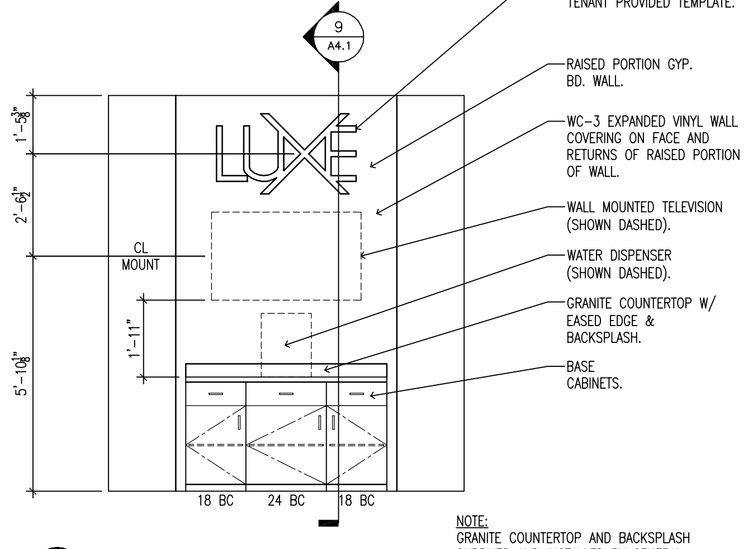
ELEVATION

14 WATER HEATER PLATFORM
SCALE: 3/8" = 1'-0"



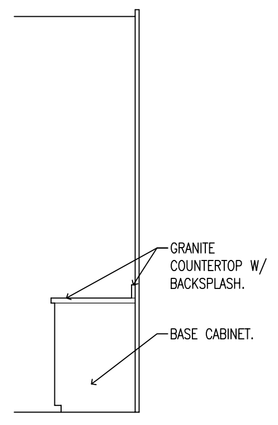
10 QUOIN DETAIL
3/8" = 1'-0"

NOTE:
INSTALL FIRE RETARDANT PLYWOOD BACKING AS REQUIRED FOR QUOIN INSTALLATION.

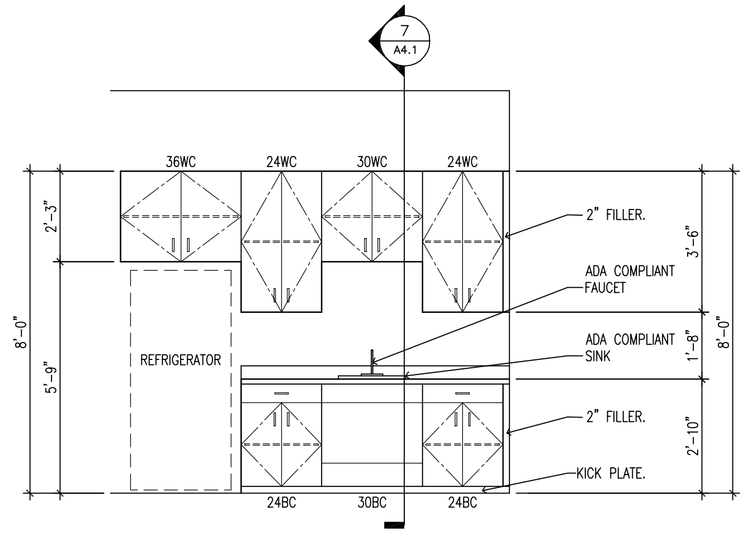


8 LUXE LOUNGE ELEVATION
3/8" = 1'-0"

NOTE:
GRANITE COUNTERTOP AND BACKSPLASH SUPPLIED AND INSTALLED BY GENERAL CONTACTOR.



9 CABINET SECTION
3/8" = 1'-0"



6 STAFF AREA CABINET ELEVATION
3/8" = 1'-0"

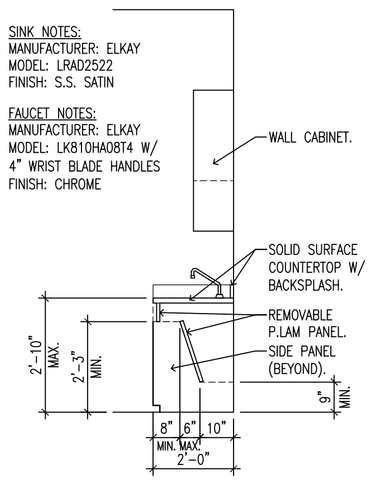
CABINET NOTES:
MANUFACTURER: MERILLAT
MODEL: EXPRESS
DOOR STYLE: PORTRAIT (FO)
SPECIES: MAPLE
FINISH: TOFFEE

COUNTERTOP NOTES:
MANUFACTURER: CORIAN
COLOR: DEEP NIGHT SKY
FINISH: POLISHED
EDGE: EASED
BACKSPLASH: 4"

KICKPLATE NOTE:
KICKPLATE MAY REQUIRE MODIFICATION TO ACHEIVE 2'-10" COUNTERTOP HEIGHT.

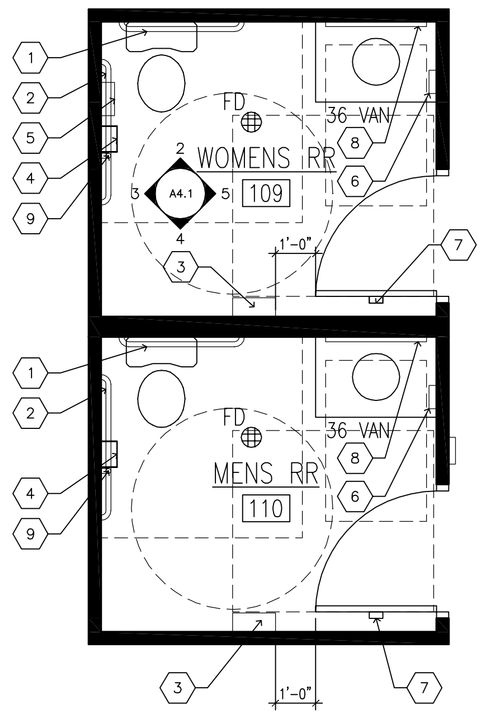
SINK NOTES:
MANUFACTURER: ELKAY
MODEL: LRAD2522
FINISH: S.S. SATIN

FAUCET NOTES:
MANUFACTURER: ELKAY
MODEL: LK810HA08T4 W/ 4" WRIST BLADE HANDLES
FINISH: CHROME



7 CABINET SECTION
3/8" = 1'-0"

NOTES:
1. ALL RESTROOM ACCESSORIES SHALL BE ADA COMPLIANT.
2. DASHED LINES INDICATE ADA CLEARANCES.
3. ALL PLUMBING SHALL BE CONCEALED WITHIN THE LAVATORY COMPARTMENT PER MANUFACTURER SPECIFICATIONS.

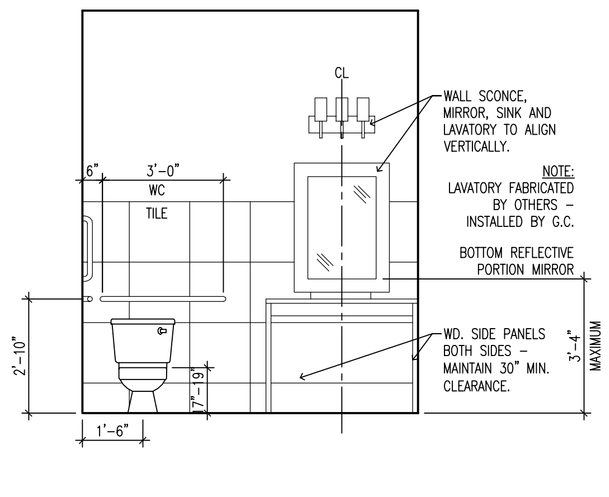


1 RESTROOM FLOOR PLANS
SCALE: 3/8" = 1'-0"

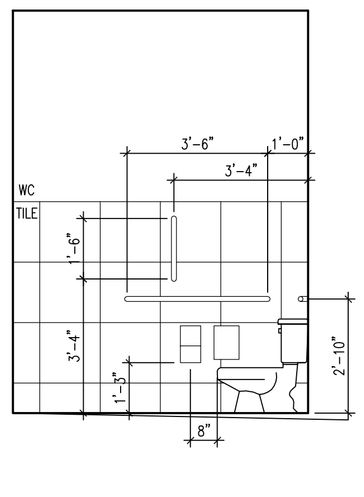
TOILET ACCESSORIES SCHEDULE

Mark	Qty	Item	Manuf.	Model No.	Mounting Height	Remarks
1	2	GRAB BAR	BOBRICK	B–6806x36	34" TO CENTER OF BAR	1 1/2" DIAM, SS W/ SATIN FIN.
2	2	GRAB BAR	BOBRICK	B–6806x42	34" TO CENTER OF BAR	1 1/2" DIAM, SS W/ SATIN FIN.
3	2	PAPER TOWEL DISP/WASTE	BOBRICK	B–4369	51–3/4" TO TOP OF UNIT	RECESSED MNT, SS W/ SATIN FIN.
4	2	TOILET PAPER DISPENSER	BOBRICK	B–4388	15" TO BTM OF UNIT	RECESSED MNT, SS W/ SATIN FIN.
5	1	SANITARY NAPKIN DISPOSAL	BOBRICK	B–270	25" TO TOP OF UNIT	SURFACE MNT, SS W/ SATIN FIN.
6	2	SOAP DISPENSER	BOBRICK	B–4112	49" TO TOP OF UNIT	SURFACE MNT, SS W/ SATIN FIN.
7	2	COAT HOOK	BOBRICK	B–76727	48" TO FIN. FLOOR	SS W/ SATIN FINISH
8	2	MIRROR	NOTE 3			SEE NOTE 3
9	2	GRAB BAR	BOBRICK	B–6806x18	40" TO BTM OF BAR	1 1/2" DIAM, SS W/ SATIN FIN.

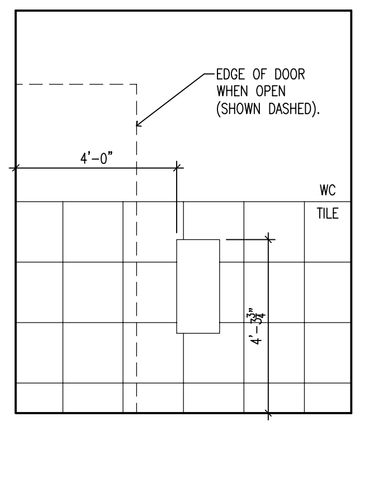
NOTES:
1. TOILET ACCESSORIES SHALL BE AS LISTED OR APPROVED EQUAL IN QUALITY.
2. MOUNTING HEIGHTS ARE FROM FINISHED FLOOR UNLESS OTHERWISE NOTED.
3. TO BE PROVIDED BY CORPORATE – INSTALLED BY GENERAL CONTRACTOR.
4. WATER CLOSET FLUSH CONTROL SHALL BE LOCATED ON THE "OPEN SIDE" OPPOSITE OF WALL.
5. WATER RESISTANT GYPSUM BOARD SHALL BE MOUNTED BEHIND ALL TILE LOCATIONS.
6. PROVIDE BLOCKING IN WALLS FOR ALL WALL MOUNTED TOILET ACCESSORIES.



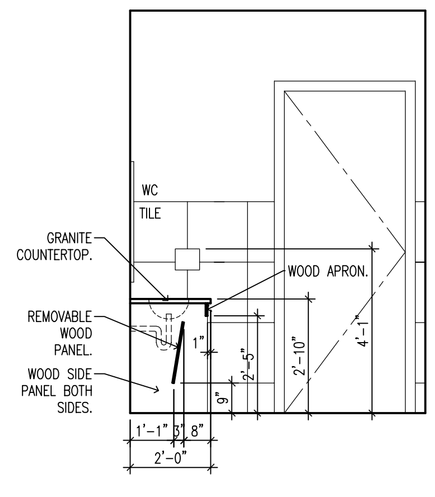
2 RESTROOM ELEVATION
SCALE: 3/8" = 1'-0"



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



4 RESTROOM ELEVATION
SCALE: 3/8" = 1'-0"



5 RESTROOM ELEVATION
SCALE: 3/8" = 1'-0"

bradley|collins, llc
architecture
131 east drake avenue
st. louis, mo 63119
phone: 314.968.2899 or 314.402.7265
www.bradley-collins.com

STATE OF MISSOURI
BRADLEY COLLINS PETERSON
NUMBER A-6865
REGISTERED ARCHITECT
SEAL
03.25.21

CERTIFICATE OF AUTHORITY
MISSOURI LIC. #2014008379
BRADLEY COLLINS PETERSON
MISSOURI LIC. #006865

ISSUES / REVISIONS :

NO.	DATE	REMARKS

TENANT BUILD OUT
MassageLuXe - Summit at West Pryor
940 NW Pryor Road
Lee's Summit, MO 64081
INTERIOR ELEVATIONS

PROJECT NUMBER
20022

PROJECT PHASE
CONTRACT DOCUMENTS

DRAWN BY:
BCP

CHECKED BY:
BCP

DATE:
02.25.2021

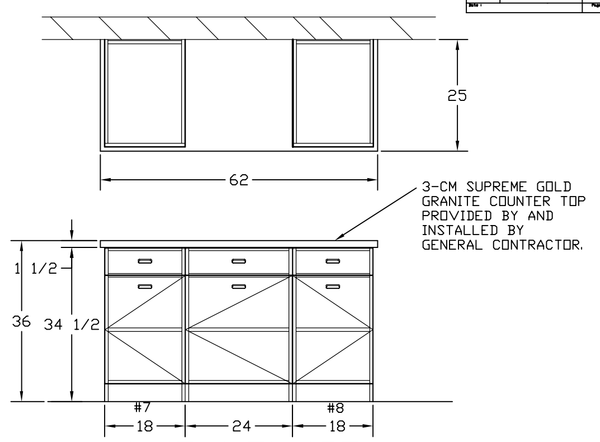
SHEET NO.
A4.1
7 OF 14

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
03/22/2021

CASEWORK DISCLAIMER

CASEWORK DRAWINGS ARE FOR REPRESENTATIONAL PURPOSES ONLY. REFER TO ARCHITECTURAL DRAWINGS AND FABRICATOR SHOP DRAWINGS FOR ACTUAL DIMENSIONS AND BALANCE OF INFORMATION.

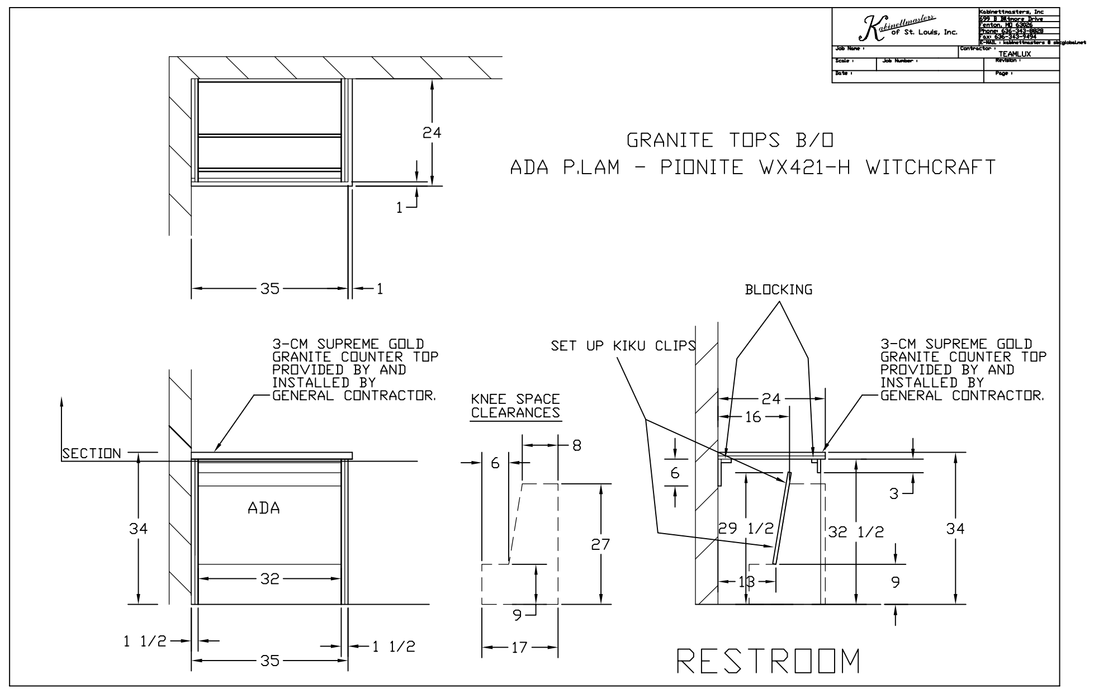
CAB'T P.LAM - PIONITE WX421-H WITCHCRAFT



LUXE LOUNGE

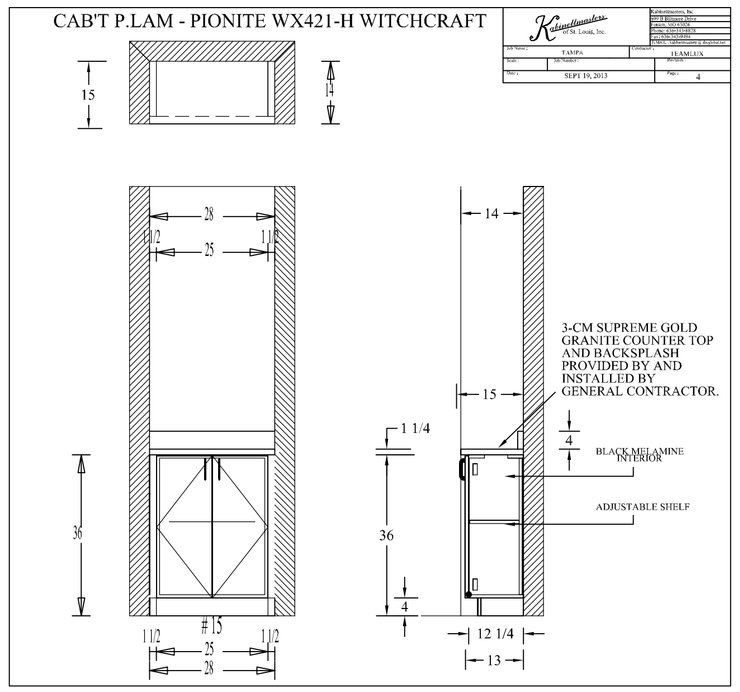
NOTE:

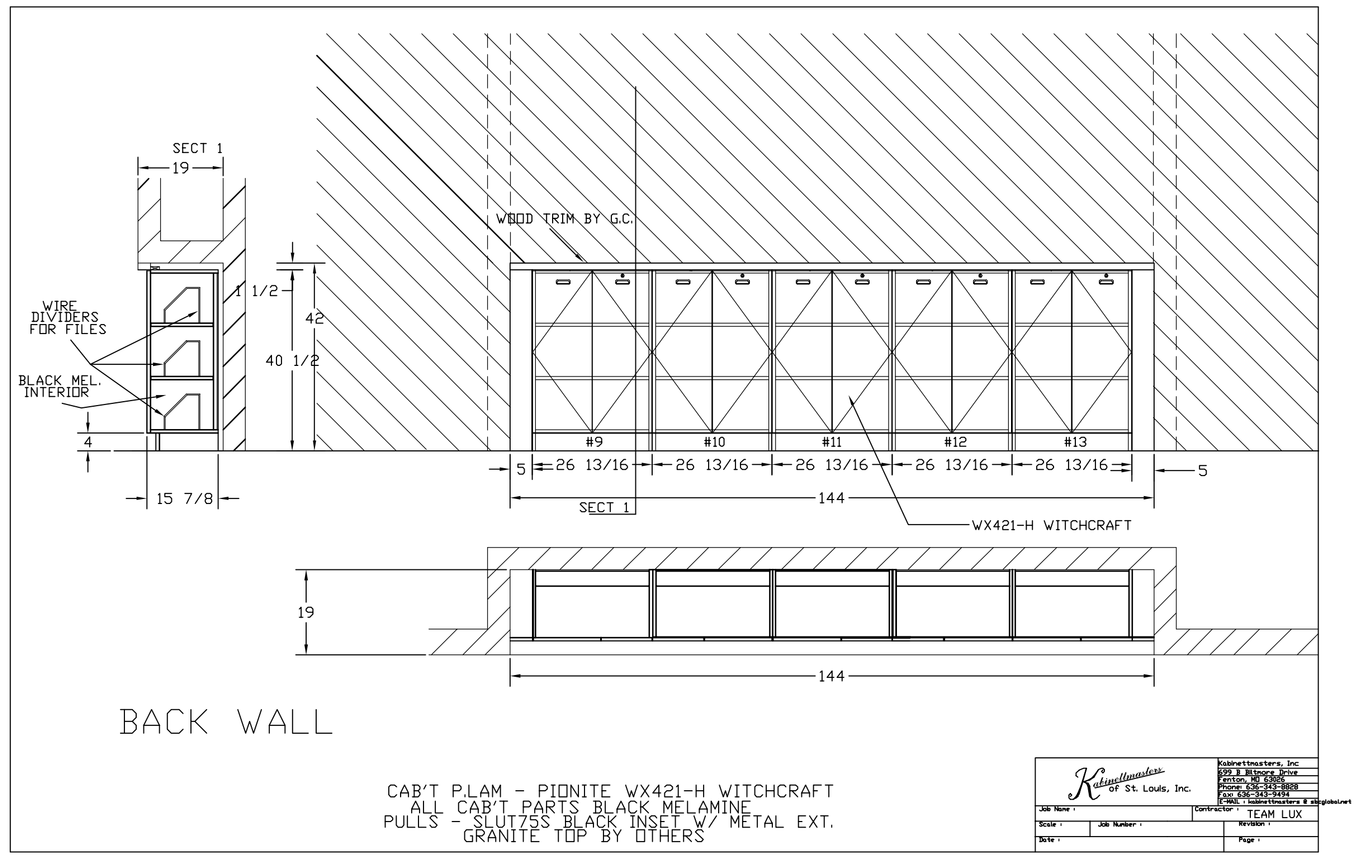
GENERAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL GRANITE TOPS ON CORPORATE PROVIDED CASEWORK.



RESTROOM

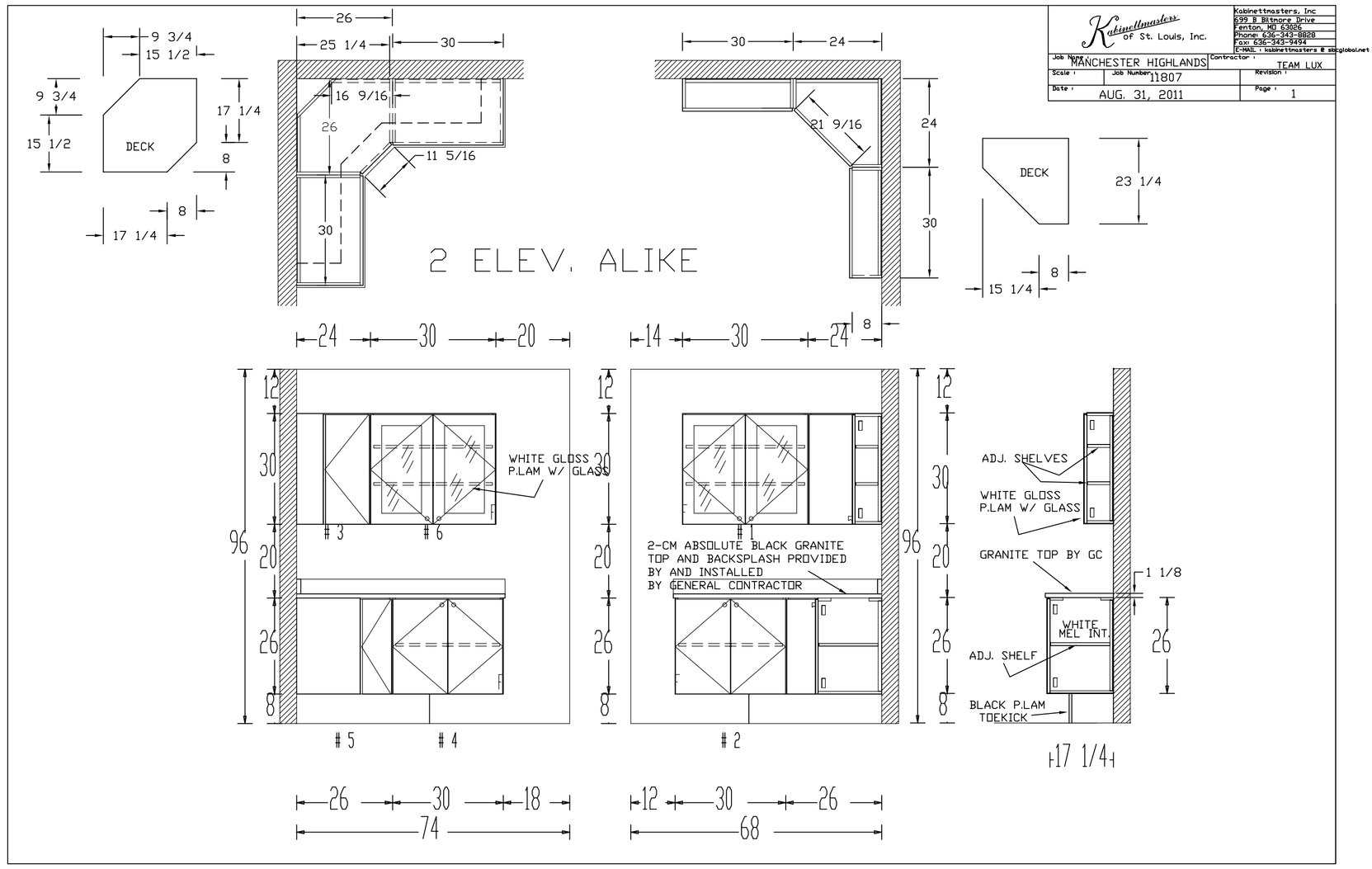
CAB'T P.LAM - PIONITE WX421-H WITCHCRAFT

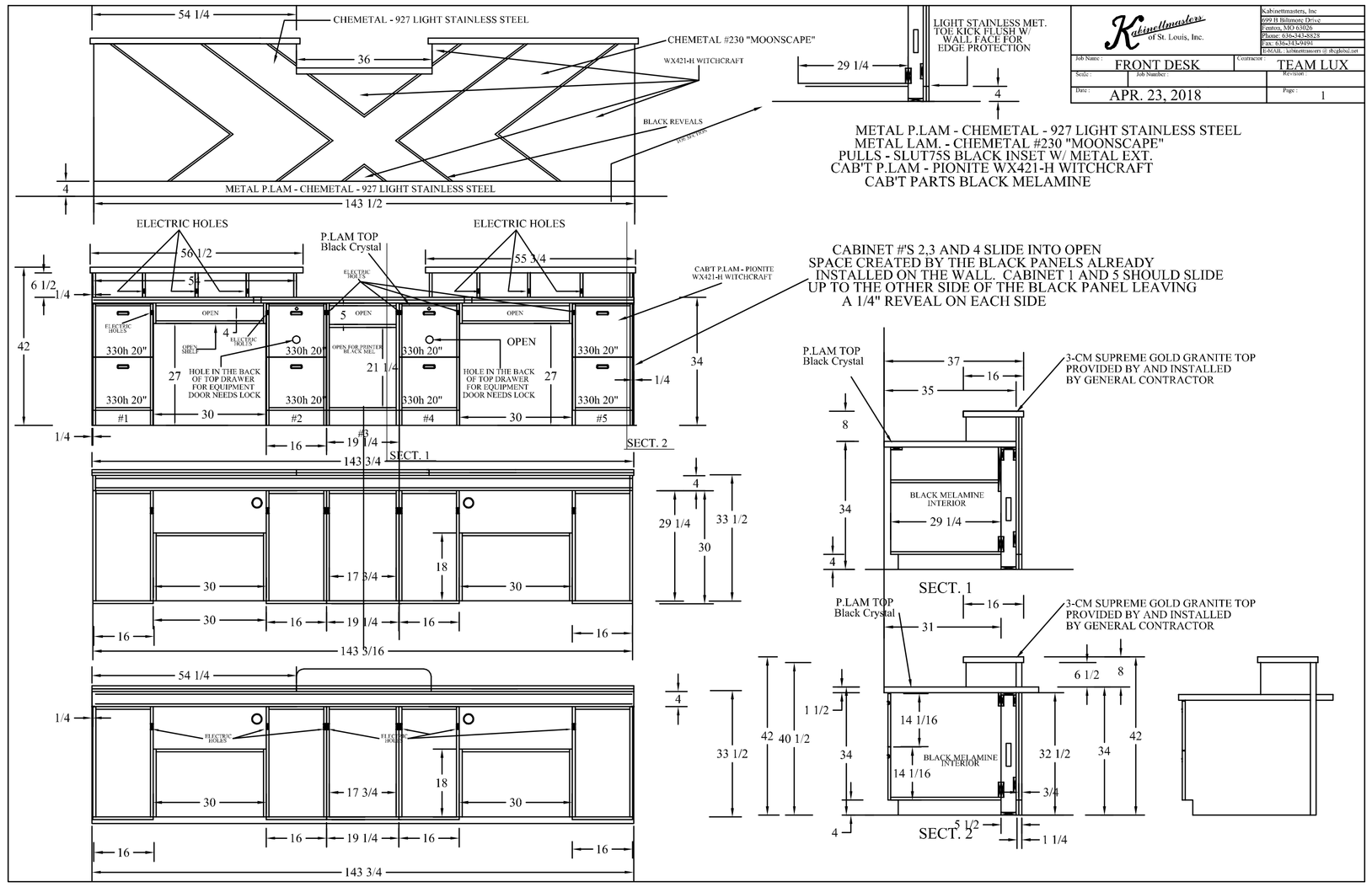




BACK WALL

CAB'T P.LAM - PIONITE WX421-H WITCHCRAFT
ALL CAB'T PARTS BLACK MELAMINE
PULLS - SLUT75S BLACK INSET W/ METAL EXT.
GRANITE TOP BY OTHERS





FRONT DESK
APR. 23, 2018
TEAM LUX

Kabinetmasters, Inc
699 B Bilmore Drive
Canton, MO 63435
Phone: 660-341-5858
Fax: 660-341-5454
E-Mail: kabinetmasters @ sbcglobal.net

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BRADLEY COLLINS PETERSON
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02.25.21

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BRADLEY COLLINS PETERSON
MISSOURI LIC. #006865

ISSUES / REVISIONS :

NO.	DATE	REMARKS

TENANT BUILD OUT

MassageLuXe - Summit at West Pryor
940 NW Pryor Road
Lee's Summit, MO 64081

CASEWORK DETAILS

PROJECT NUMBER
20022

PROJECT PHASE
CONTRACT DOCUMENTS

DRAWN BY:
BCP

CHECKED BY:
BCP

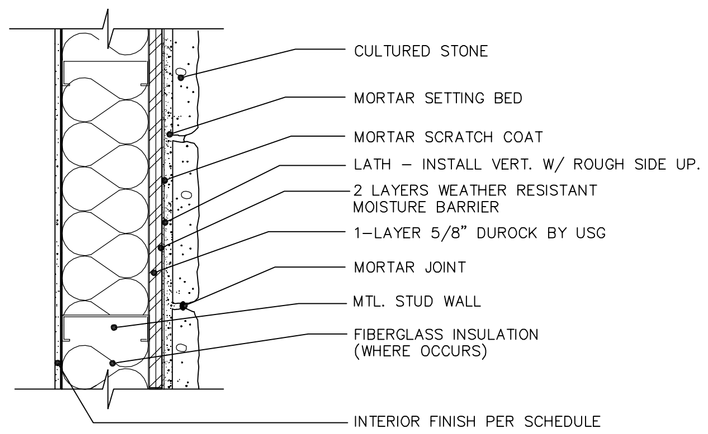
DATE:
02.25.2021

SHEET NO.

A4.2

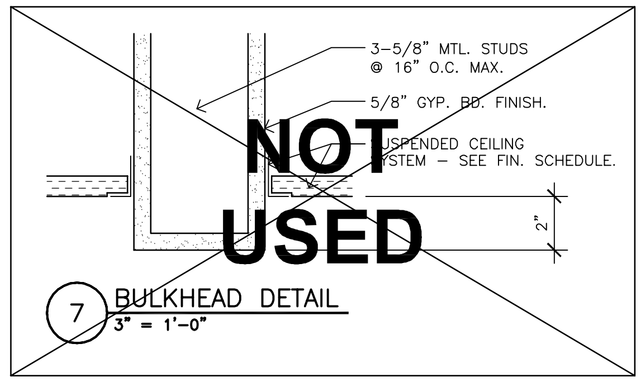
8 OF 14

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
BY CLIENT AND SERVICES
LEE'S SUMMIT, MISSOURI
03/22/2021

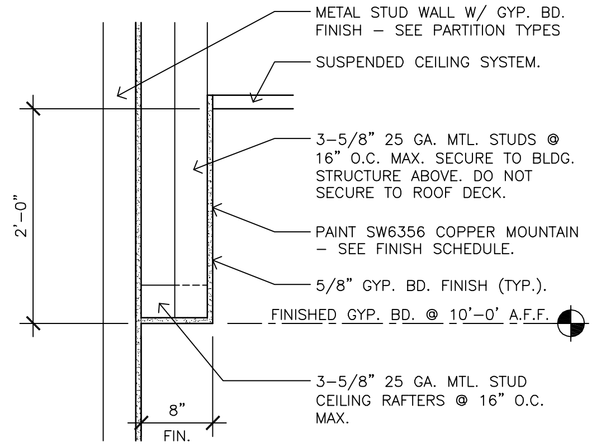


8 CULTURED STONE OVER SHEATHING W/ MTL STUDS
SCALE: NOT TO SCALE

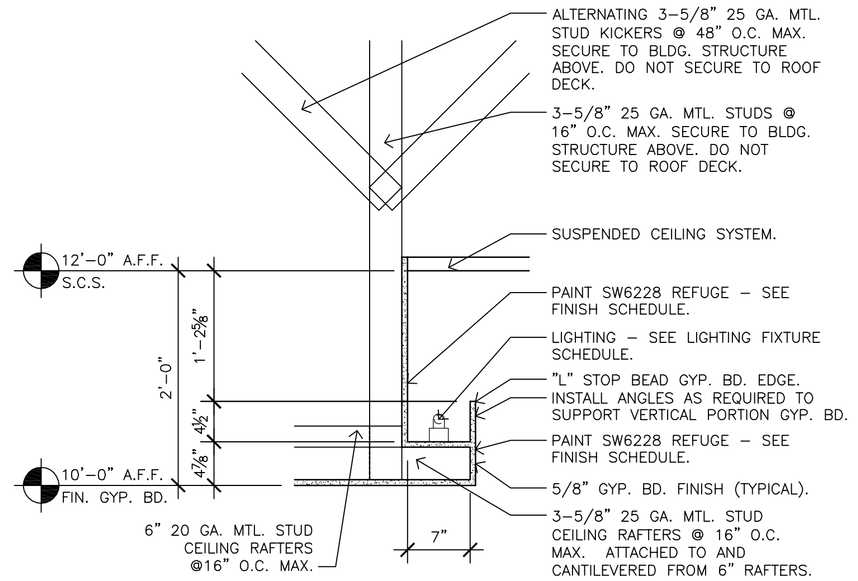
NOTE:
INSTALL CULTURED STONE PER MANUFACTURER SPECIFICATIONS.



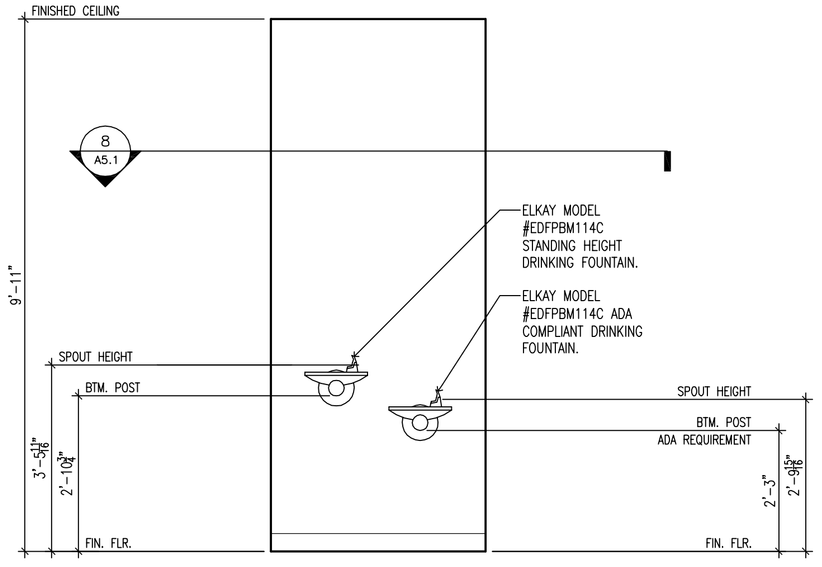
7 BULKHEAD DETAIL
3" = 1'–0"



6 SOFFIT DETAIL @ FEATURE WALL
1" = 1'–0"

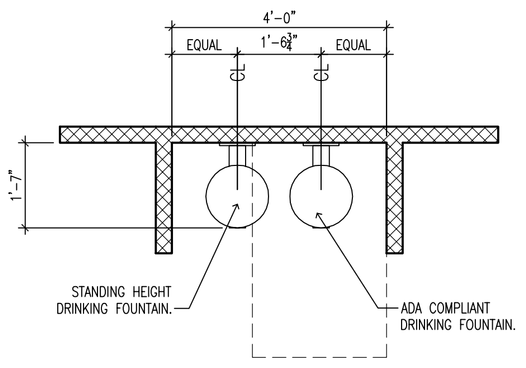


5 SOFFIT EDGE DETAIL @ RECEPTION DESK
1" = 1'–0"

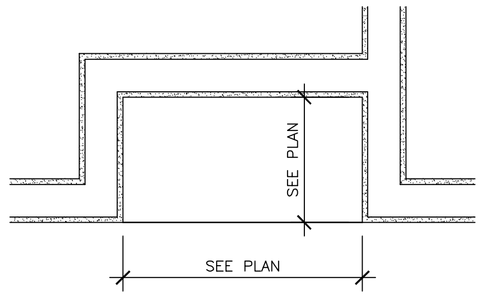


4 DRINKING FOUNTAIN ELEVATION
SCALE: 1/2" = 1'–0"

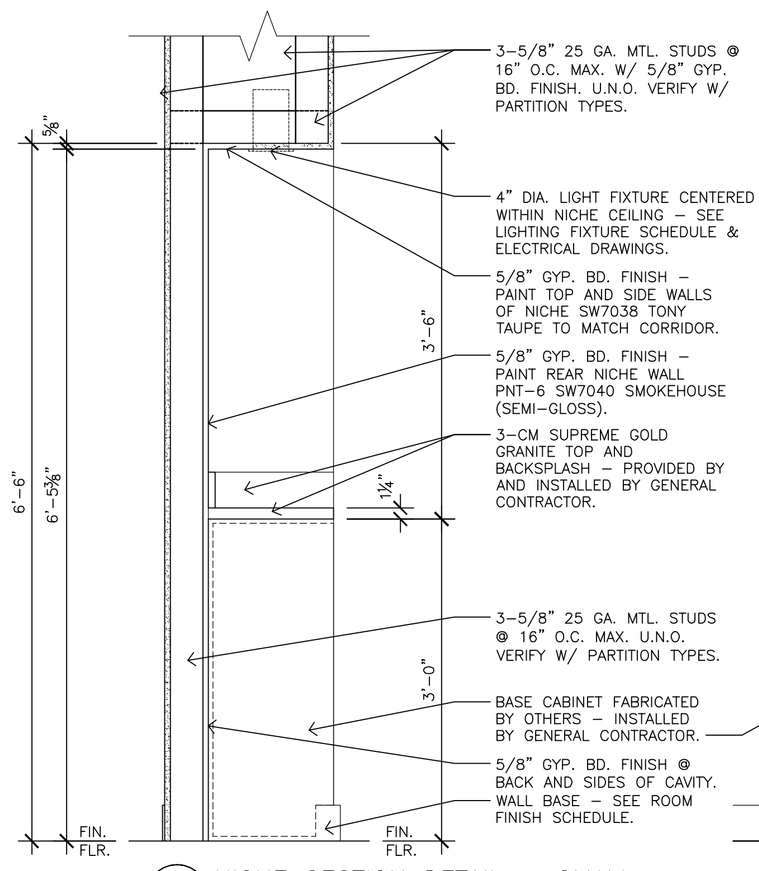
DRINKING FOUNTAIN NOTES:
1. SEE 1/A1.1 FLOOR PLAN FOR BALANCE OF INFORMATION.
2. SEE RESONSIBLITY MATRIX FOR BALANCE OF INFORMATION.
3. INSTALL DRINKING FOUNTAINS PER MANUFACTURER SPECIFICATIONS.
4. REFER TO ELKAY MODEL#EDFPBM117C FOR ADDITIONAL MOUNTING INFORMATION.



3 DRINKING FOUNTAIN PLAN
SCALE: 1/2" = 1'–0"

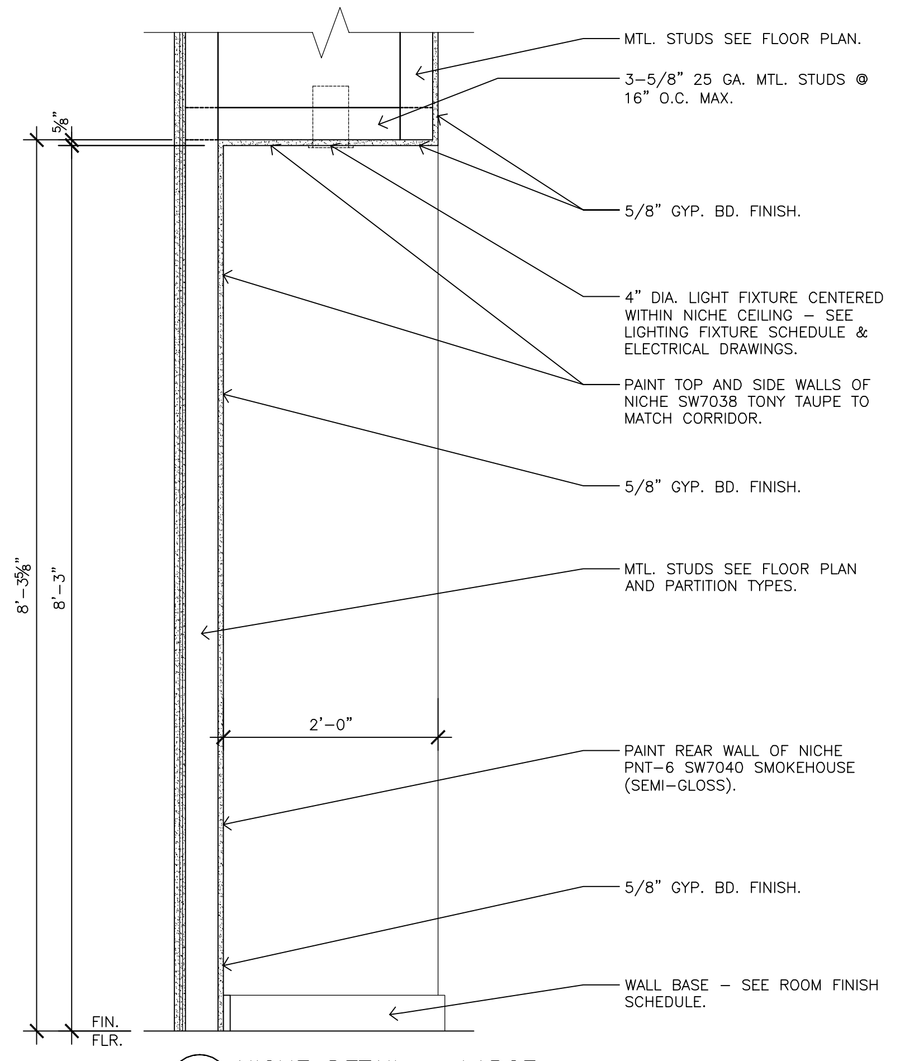


NICHE PLAN
1" = 1'–0"



2 NICHE SECTION DETAIL – SMALL
1" = 1'–0"

NICHE ELEVATION
1" = 1'–0"



1 NICHE DETAIL – LARGE
1" = 1'–0"

STATE OF MISSOURI
BRADLEY COLLINS PETERSON
NUMBER A-6865
REGISTERED ARCHITECT
SEAL
02.25.21
CERTIFICATE OF AUTHORITY
MISSOURI LIC. #2014008379
BRADLEY COLLINS PETERSON
MISSOURI LIC. #006865

bradley|collins, llc
architecture
131 east drake avenue
st. louis, mo 63119
phone: 314.968.2899 or 314.402.7265
www.bradley-collins.com

ISSUES / REVISIONS :

NO.	DATE	REMARKS

TENANT BUILD OUT

MassageLuXe - Summit at West Pryor
940 NW Pryor Road
Lee's Summit, MO 64081

PROJECT DETAILS

PROJECT NUMBER
20022

PROJECT PHASE
CONTRACT DOCUMENTS

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BCP

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BCP

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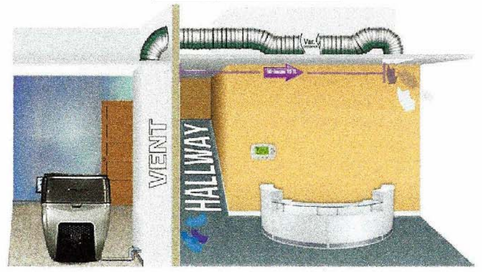
MASSAGE LUXE

Upon delivery, the unit should be placed in the HydroLuXe room for vendor install. Inspect the unit and all boxes for damage before signing the delivery acceptance

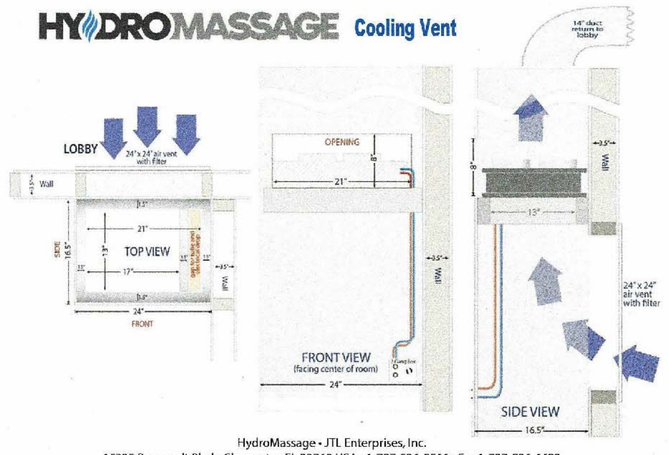
HYDROMASSAGE

Optimal HydroMassage HVAC Set-up for Massage Luxe

Room Diagram with HVAC Vent



HYDROMASSAGE Cooling Vent



HydroMassage • JTL Enterprises, Inc.
15395 Roosevelt Blvd • Clearwater, FL 33760 USA • 1-727-536-5566 • Fax 1-727-536-6633
www.HydroMassage.com • info@hydromassage.com

Upon delivery, the unit should be placed in the HydroLuXe room for vendor install. Inspect the unit and all boxes for damage before signing the delivery acceptance

HYDROMASSAGE

HydroMassage Electrical Requirements – 60Hz, USA and Canada

Technical Specifications

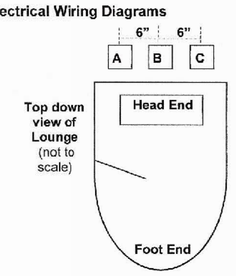
MODEL	IMAGE	SPECS	WEIGHT	WATER	VOLTAGE	PHASE	Amps
440X / 450X Lounge		91" L x 32" W x 46" H	285 lbs empty. 385 lbs with water	12 gallons distilled water	208-240 Volts	Single	30 Amp

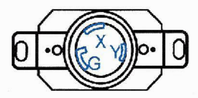
Electrical Requirements

Series 300-400 Models ****IMPORTANT: All items are required for EACH HydroMassage unit****

- **A**: 208-240 Volt, single-phase, dedicated line with a 30 Amp dedicated breaker and 10-gauge wire (2 hot legs and a ground). Install 6" above the floor. [A] on diagram
  - 30 Amp, 250 Volt NEMA L6-30R Locking Receptacle (three prong plug).
- B: CAT-5 or CAT-6 terminated network jack (able to connect to network room). [B] on diagram. **Required for software updates, technical support, and proactive monitoring**
- C: For use with external timer ONLY (ex. T-Max): 110 Volt outlet required. Install 6" above floor. [C] on diagram

Electrical Wiring Diagrams





NEMA L6-30R Locking Receptacle

Unique set of items A, B, C required **FOR EACH** HydroMassage unit (i.e. must install additional sets if a second or third unit is to be installed in the same room). If necessary, location of outlets above may be moved within +/- 6". Call 1-727-536-5566 for details.

Water Requirements Distilled water required. Distilled water is available major supermarkets or directly from a water supplier (water delivery service).

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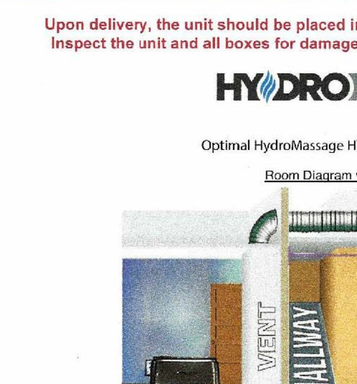


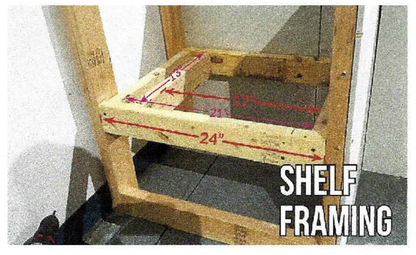
24" by 24" Vent cover on lobby wall.

Use a vent with a grill that can be opened and a removable internal filter.

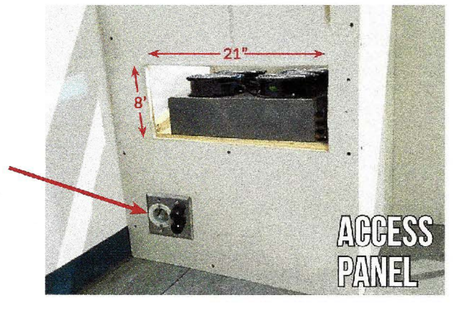
The access cover plate and the gang box cover plate will be provided and will be custom painted

Additional Vent Views

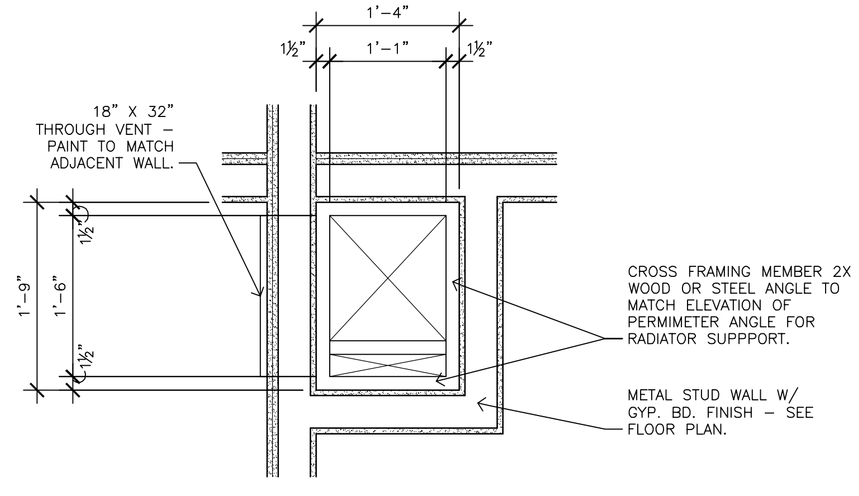
HYDROMASSAGE INNOVATION IN RELAXATION



Double Gang Box for Power and Water w/cover



Gap for hose and power drop



1 CHIMNEY DETAIL @ HYDRO LUXE
1" = 1'–0"

N

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RELEASE FOR CONSTRUCTION
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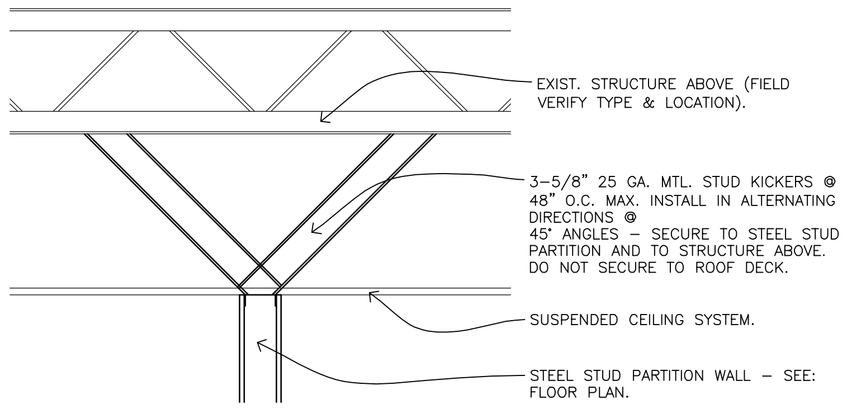
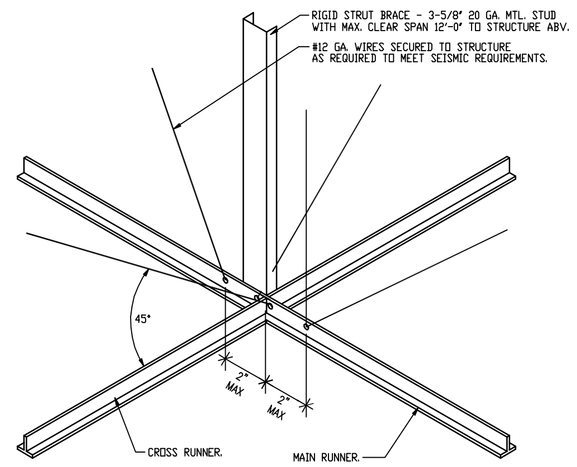
LEE'S SUMMIT, MISSOURI
03/22/2021



3 SEISMIC WALL BRACING DETAIL
1" = 1'-0"

NOTES:
1. PARTITIONS THAT ARE GREATER THAN 6 FEET (SIX FEET) IN HEIGHT SHALL BE LATERALLY BRACED TO THE BUILDING STRUCTURE.
2. PARTITION WALLS SHALL NOT BE SECURED TO THE SUSPENDED CEILING SYSTEM.
3. SEISMIC BRACING SHALL NOT BE SECURED TO THE SUSPENDED CEILING SYSTEM.



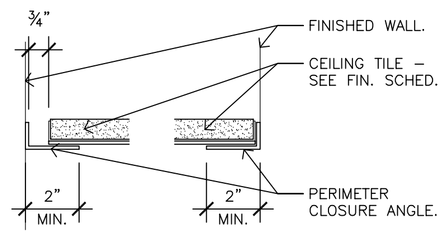
4-WAY DIAGONAL WIRE BRACING AND RIGID STRUT BRACE EVERY 12'-0" ON MAIN RUNNERS & WITHIN 4'-0" OF WALLS TO FORM 12'-0" X 12'-0" BRACING GRID WHERE WIRE MUST BEAR AGAINST PIPES & DUCTS APPLY DUCT TAPE TO PIPES & DUCTS.

NOTE:
SCREW FASTEN RECESSED LIGHT FIXTURES TO MAIN CEILING RUNNERS @ CORNERS (TYP.) & PROVIDE SIMILAR ATTACHMENT FOR ALL CEILING SUPPORTED HVAC DEVICES.

NOTE:
ALL ROOMS WITH SUSPENDED ACOUSTICAL CEILING AREAS GREATER THAN OR EQUAL TO 144 SF. SHALL BE PROVIDED WITH SEISMIC BRACING. MECHANICALLY ATTACH AT 2 ADJACENT WALLS THE WALL MOLDING TO THE MAIN RUNNER AT THE 2 WALLS OPPOSITE. LEAVE THE MAIN RUNNERS FREE TO REST ON WALL MOLDING AS SHOWN ABOVE, BUT SECURE WITH HANGER WIRE WITHIN 6" MAX. OF MAIN RUNNER END (TYPICAL).

NOTE:
INSTALL PER 2018 INTERNATIONAL BUILDING CODE
INSTALL IN ACCORDANCE WITH ASTM C 635 & ASTM C 636.

2 SEISMIC BRACING
NOT TO SCALE



1 SEISMIC BRACING @ WALL
3" = 1'-0"

NOTES:
1. IN EACH ORTHOGONAL DIRECTION, ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE CLOSURE ANGLE. THE OTHER END IN EACH ORTHOGONAL DIRECTION SHALL HAVE A 3/4" CLEARANCE FROM THE WALL AND BE FREE TO SLIDE ON THE CLOSURE ANGLE.
2. ACOUSTICAL CEILING SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF ASTM C 635 AND ASTM C 636.
3. SEE ACOUSTIC LAY-IN PANEL CEILING NOTES FOR BALANCE OF INFORMATION.
4. ARMSTRONG BERC2 SUSPENDED CEILING SYSTEM MAY BE INSTALLED IN LIEU OF DETAIL 1/A5.3. VERIFY WITH BUILDING OFFICIAL PRIOR TO INSTALLATION.

ACOUSTICAL LAY-IN PANEL CEILINGS GREATER THAN 144 SQUARE FEET IN AREA SHALL BE BRACED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:

A. A HEAVY DUTY T-BAR GRID SYSTEM SHALL BE USED.

B. THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN 2". IN EACH ORTHAGONAL HORIZONTAL DIRECTION, ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE CLOSURE ANGLE. THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE A 3/4" CLEARANCE FROM THE WALL AND SHALL REST UPON AND BE FREE TO SLIDE ON THE 2" CLOSURE ANGLE. THE MAIN CROSS RUNNERS SHALL BE TIED TOGETHER TO PREVENT TWISTING.

C. PROVIDE NO. 12 GUAGE VERTICAL SUPPORT WIRES ON THE MAIN AND CROSS RUNNERS A MAXIMUM DISTANCE OF 8" FROM THE WALL. ADDITIONAL VERTICAL SUPPORT WIRES ARE NEEDED IN THE FOLLOWING LOCATIONS:

1. 4' ON CENTER SPACING ALONG THE MAIN RUNNER.
2. LIGHT FIXTURES MUST BE POSITIVELY ATTACHED TO THE CEILING GRID WITH AN ATTACHMENT CAPABLE OF CARRYING 100% OF THE WEIGHT OF THE LIGHT FIXTURE. LIGHT FIXTURES WEIGHING UP TO 56 POUNDS REQUIRE TWO VERTICAL SUPPORT WIRES. THESE WIRES MAY BE SLACK. LIGHT FIXTURES WEIGHING MORE THAN 56 POUNDS SHALL REQUIRE INDEPENDENT SUPPORT FROM THE SHELL BUILDING STRUCTURE ABOVE.
3. MECHANICAL AIR TERMINALS WEIGHING LESS THAN 20 POUNDS SHALL BE POSITIVELY ATTACHED TO THE CEILING GRID. AIR TERMINALS WEIGHING 20 POUNDS BUT NOT MORE THAN 56 POUNDS SHALL BE SECURED TO THE SHELL BUILDING STRUCTURE ABOVE THE CEILING IN ADDITION TO ATTACHING THE AIR TERMINAL TO THE CEILING GRID. THESE TWO NO. 12 GUAGE WIRES MAY BE SLACK. AIR TERMINALS WEIGHING MORE THAN 56 POUNDS SHALL REQUIRE INDEPENDENT SUPPORT FROM THE SHELL BUILDING STRUCTURE ABOVE THE CEILING.

D. SPRINKLER HEADS AND OTHER PENETRATIONS OF THE SUSPENDED CEILING SHALL HAVE A 2" OVERSIZE RING, SLEEVE, OR ADAPTOR THROUGH THE CEILING TILE TO ALLOW FOR FREE MOVEMENT AT LEAST 1" IN ALL DIRECTIONS.

E. ALL WALL PARTITIONS GREATER THAN 6' IN HEIGHT SHALL BE INDEPENDENTLY BRACED TO THE BUILDING SHELL STRUCTURE. WALL PARTITIONS MAY NOT BE SUPPORTED BY THE BRACED SUSPENDED CEILING ALONE.

F. IN ADDITION TO ITEMS A THROUGH E ABOVE, SUSPENDED CEILING SYSTEMS EXCEEDING 1,000 SQUARE FEET IN AREA REQUIRE FOUR NO. 12 GUAGE SPLAY WIRES AND A RIGID VERTICAL COMPRESSION STRUT EVERY 12 FEET ON CENTER STARTING AT A MAXIMUM OF 6 FEET FROM EACH WALL. THE SPLAY WIRES SHALL BE SECURED TO THE MAIN RUNNER WITHIN 2" OF THE CROSS RUNNER INTERSECTION AND SPLAYED 90 DEGRESS FROM EACHOTHER AT AN ANGLE NOT EXCEEDING 45 DEGREES FROM THE PLANE OF THE CEILING.

G. IN ADDITION TO ITEMS A THROUGH F ABOVE, SUSPENDED CEILING SYSTEMS EXCEEDING 2,500 SQUARE FEET SHALL HAVE A SEPARATION JOINT OR A FULL HEIGHT WALL PARTITION WALL SEPARATING THE SUSPENDED CEILING INTO AREAS LESS THAN 2,500 SQUARE FEET.

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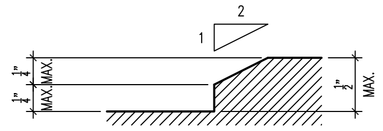
11 OF 14

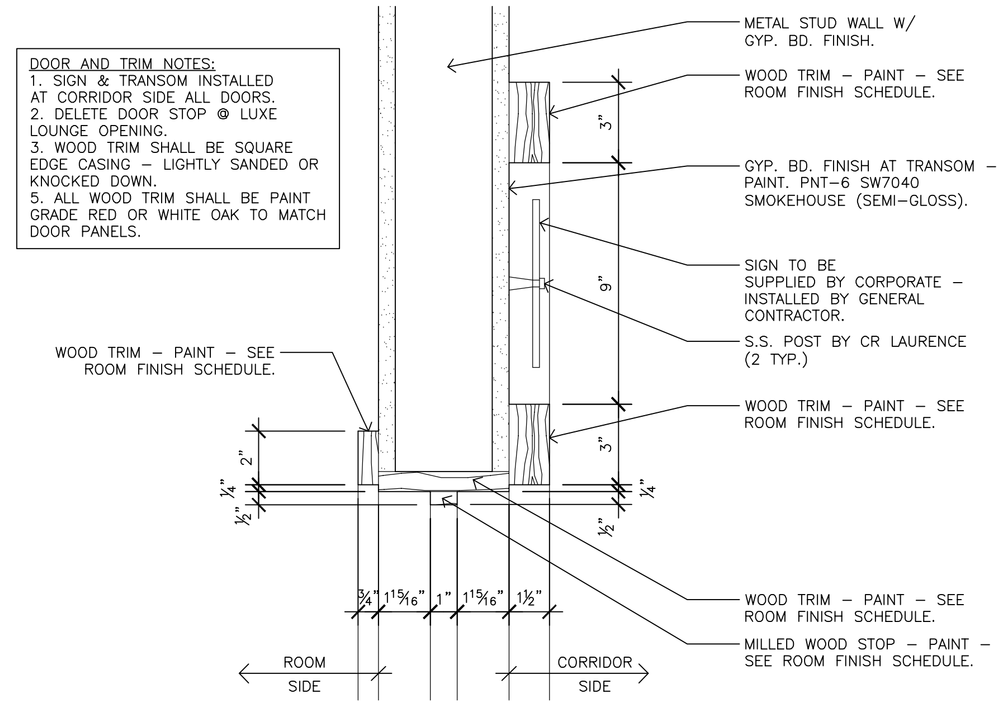
RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DO NOT CONFORM TO ISSUED
LEE'S SUMMIT, MISSOURI
03/22/2021



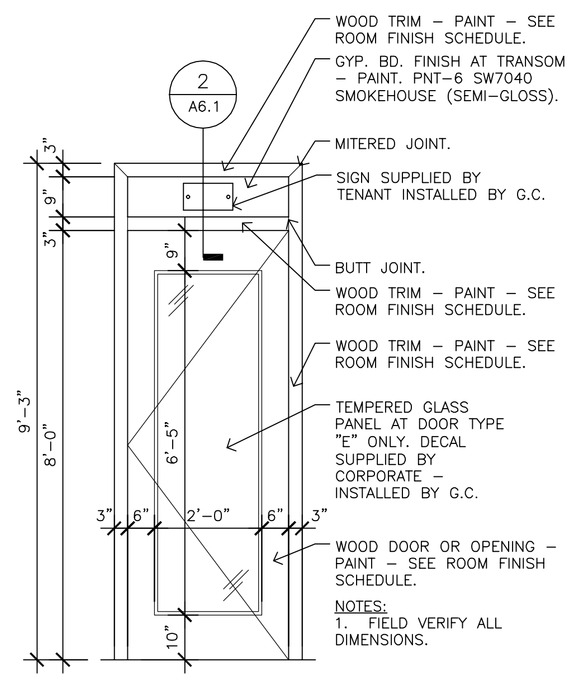
4 BEVELED CHANGE IN ELEVATION
FULL SCALE

3 VERTICAL CHANGE IN ELEVATION
FULL SCALE

DOOR AND TRIM NOTES:
1. SIGN & TRANSOM INSTALLED AT CORRIDOR SIDE ALL DOORS.
2. DELETE DOOR STOP @ LUXE LOUNGE OPENING.
3. WOOD TRIM SHALL BE SQUARE EDGE CASING – LIGHTLY SANDED OR KNOCKED DOWN.
5. ALL WOOD TRIM SHALL BE PAINT GRADE RED OR WHITE OAK TO MATCH DOOR PANELS.



2 HEAD DETAIL @ DOOR
3" = 1'–0"



1 DOOR ELEVATION @ CORRIDOR
1/2" = 1'–0"

ROOM FINISH SCHEDULE

ROOM NO	ROOM NAME	FLOOR	BASE	WALLS				CEILING		NOTES
				NORTH	EAST	SOUTH	WEST	MATL	HEIGHT	
101	RECEPTION	TILE 45° TO WALL	TILE 4" BASE	PNT–1	PNT–2	SEE ELEV 13/A4.1	CLT–STN PNT–1 SEE 12/A4.1	GYP. BD. PNT–7	SCS 12'–0" GB 10'–0"	WG–3 EXPANDED VINYL WALL COVERING INSTALLED @ G.B. WALL PORTION BEHIND DESK. INSTALL CULTURED STONE @ WEST WALL BEHIND DESK – SEE ELEVATION. PNT–1 AT WALLS FLANKING STONE, SEE SOFFIT DETAIL FOR PNT–2 AT SOFFIT
102	OFFICE	CARPET	VINYL	PNT–5	PNT–5	PNT–5	PNT–5	ACT	9'–10"	
103	HYDRO LUXE	CARPET	VINYL	PNT–4	PNT–4	PNT–4	PNT–3	ACT	9'–10"	
104	CORRIDOR	CARPET	VINYL	PNT–5	PNT–5	PNT–5	PNT–5	ACT	9'–10"	
105	LUXE LOUNGE	CARPET	VINYL	WC–1	WC–1	WC–1	WC–1	ACT	9'–10"	WG–3 EXPANDED VINYL WALL COVERING INSTALLED @ NORTH WALL ACCENT PANEL
106	MASSAGE 1	CARPET	VINYL	PNT–3	PNT–4	PNT–4	PNT–4	ACT	9'–10"	
107	MASSAGE 2	CARPET	VINYL	PNT–3	PNT–4	PNT–4	PNT–4	ACT	9'–10"	
108	STAFF/WORK AREA	TILE 90° TO WALL	TILE–4"	PNT–5	PNT–5	PNT–5	PNT–5	ACT	9'–10"	
109	WOMENS RESTROOM	TILE 45° TO WALL	TILE 9" BASE	TILE & WC–2, SEE: NOTES				ACT	9'–10"	TILE TO 5'–3" A.F.F. – TERMINATE W/ STAINLESS STEEL SCHLUTER–SCHEIENE STRIP. WC–2 @ 5'–3" A.F.F. TO FINISHED CEILING
110	MENS RESTROOM	TILE 45° TO WALL	TILE 9" BASE	TILE & WC–2, SEE: NOTES				ACT	9'–10"	TILE TO 5'–3" A.F.F. – TERMINATE W/ STAINLESS STEEL SCHLUTER–SCHEIENE STRIP. WC–2 @ 5'–3" A.F.F. TO FINISHED CEILING
111	AESTHETICIAN	TILE 90° TO WALL	TILE–4"	PNT–4	PNT–3	PNT–4	PNT–4	ACT	9'–10"	
112	MASSAGE 3	CARPET	VINYL	PNT–4	PNT–4	PNT–4	PNT–3	ACT	9'–10"	
113	MASSAGE 4	CARPET	VINYL	PNT–4	PNT–4	PNT–4	PNT–3	ACT	9'–10"	
114	MASSAGE 5	CARPET	VINYL	PNT–4	PNT–4	PNT–4	PNT–3	ACT	9'–10"	
115	MASSAGE 6	CARPET	VINYL	PNT–4	PNT–4	PNT–4	PNT–3	ACT	9'–10"	
116	STORAGE	CARPET	VINYL	PNT–5	PNT–5	PNT–5	PNT–5	ACT	9'–10"	
117	MASSAGE 7	CARPET	VINYL	PNT–4	PNT–4	PNT–3	PNT–4	ACT	9'–10"	

FLOOR TILE
MANUFACTURER: AMERICAN OLEAN
PRODUCT: KENDAL SLATE
COLOR: CARLISLE BLACK KS03
SIZE: 18.0 X 18.0
THICKNESS: 5/16"
NOTE: INSTALL 45 DEGREES TO WALL AT RECEPTION AND RESTROOMS –90 DEGRESS TO WALL AT AESTHETICIAN, STAFF AREA AND WORK AREAS.

BASE TILE
MANUFACTURER: AMERICAN OLEAN
PRODUCT: KENDAL SLATE
COLOR: CARLISLE BLACK KS03
SIZE: 4.0 X 18.0
THICKNESS: 5/16"
NOTE: INSTALL SCHLUTER TRIM NOT BULLNOSE.

WALL TILE
MANUFACTURER: AMERICAN OLEAN
PRODUCT: KENDAL SLATE
COLOR: CARLISLE BLACK KS03
SIZE: 18.0 X 18.0
THICKNESS: 5/16"
NOTE: INSTALL 90 DEGRESS TO FLOOR IN STACK BOND PATTERN

TILE – REQUIRED VENDOR:
DETRI ANDERSON
VIRGINIA TILE
(314) 812–5915
www.virginiatile.com

GROUT
CUSTOM BUILDING PRODUCTS
SABLE BROWN #95
RECOMMENDED 3/16" WIDTH

NOTE: ALL TILE STOPS @ TOP OF WALL & TOP OF BASE SHALL RECEIVE THE FOLLOWING: SCHLUTER–SCHEIENE STRIP – STAINLESS STEEL OR BRUSHED ALUMINUM.

CARPET
MANUFACTURER: SHAW
PRODUCT: FEEDBACK
STYLE: 54565
COLOR: 00103
NAME: RECEIVER
SIZE: 24" X 24"
CLASS: CLASS I
NOTE: INSTALL 1/4 TURN

CARPET – REQUIRED VENDOR:
GREG NAVE
PH: (314) 941–6247
PURCHASE DIRECT THROUGH FROM SHAW THROUGH GREG NAVE

VCT
VINYL COMPOSITION TILE
MANUFACTURER: ARMSTRONG
PRODUCT: STANDARD EXCELON IMPERIAL TEXTURE
STYLE: 51942
NAME: CURRIED CARAMEL
CLASS: CLASS II
NOTE: INSTALL 1/4 TURN

FLOORING ACCESSORIES:
1. S.S. TERAZZO REDUCER STRIP @ TILE/CPT. TRANSITION.
2. VINYL REDUCER STRIP @ VCT/CPT. & SV/CPT TRANSITION TO MATCH VINYL BASE.

PNT–1 INTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW6356 COPPER MOUNTAIN
FINISH: EGG SHELL

PNT–2 INTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW6228 REFUGE
FINISH: EGG SHELL

PNT–3 INTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW6221 MOODY BLUE
FINISH: EGG SHELL
NOTE: SHERWIN WILLIAMS PROMAR 200 ZERO VOC INTERIOR LATEX PAINT WITH ANTI–MICROBIAL AGENTS

PNT–4 INTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW6220 INTERESTING AQUA
FINISH: EGG SHELL
NOTE: SHERWIN WILLIAMS PROMAR 200 ZERO VOC INTERIOR LATEX PAINT WITH ANTI–MICROBIAL AGENTS

PNT–5 INTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW7038 TONY TAUPE
FINISH: EGG SHELL
NOTE: SHERWIN WILLIAMS PROMAR 200 ZERO VOC INTERIOR LATEX PAINT WITH ANTI–MICROBIAL AGENTS

PNT–6
MANUFACTURER: SHERWIN WILLIAMS
LOCATION: QUOINS, TRANSOMS AND NICHES
COLOR: SW7040 SMOKEHOUSE
FINISH: SEMI GLOSS

PNT–7 INTERIOR PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW6119 ANTIQUE WHITE
FINISH: EGG SHELL

PAINT–8 INTERIOR PAINT
LOCATION: DOORS, TRIM AND CASING
MANUFACTURER: SHERWIN WILLIAMS
COLOR: SW6041 OTTER
FINISH: PRECATALIZED WATER BORN SEMI–GLOSS EPOXY

NOTE: GENERAL CONTRACTOR SHALL PROVIDE A FINISHED DOOR AND TRIM SAMPLE FOR APPROVAL PRIOR TO APPLICATION AND INSTALLATION.

PAINT @ RECEPTION DESK SOFFIT
PNT–7 @ HORIZONTAL SURFACES
PNT–2 @ VERTICAL SURFACES

PAINT @ FEATURE WALL SOFFIT
PNT–7 @ HORIZONTAL SURFACES
PNT–1 @ VERTICAL SURFACES

WC–1 EXPANDED VINYL WALL COVERING
MANUFACTURER: WOLF GORDON
NAME: CAPELLA / ESPRESSO
NUMBER: GOH 12019537
FIRE RATING: CLASS A

WC–2 EXPANDED VINYL WALL COVERING
MANUFACTURER: WOLF GORDON
NAME: ORANGE CUSTOM
NUMBER: WG 09869672

WC–3 EXPANDED VINYL WALL COVERING
MANUFACTURER: WOLF GORDON
NAME: NOCTURNE / AZURE
NUMBER: GOH 11829091

WALL COVERING CONTACT:
ALFREDO ORTIZ
PH: (718) 391–5452

CUSTOM GRAPHIC WALL PAPER
(CONTACT MASSAGE LUXE CORPORATE)
MANUFACTURER:
PRODUCT:
COLOR: CUSTOM GRAPHICS
FIRE RATING: CLASS I (A)

ACT – ACOUSTIC CEILING TILE
MANUFACTURER: ARMSTRONG
PRODUCT: CIRRUS 584, SQUARE LAY–IN, ANGLED TEGULAR, FINE TEXTURE
SIZE: 2'x2'x3/4"
COLOR: WHITE
FIRE CLASS: CLASS A

ACT – SUSPENSION SYSTEM
MANUFACTURER: ARMSTRONG
PRODUCT: PRELUDE XL 15/16" EXPOSED TEE SYSTEM
COLOR: WHITE

V–BASE:
VINYL COVE BASE
REQUIRED VENDOR:
JEN KING
E.J. WELCH COMPANY
(314) 739–7948 #1057
REFERENCE QUOTE #018993

WOOD–BASE:
WOOD WALL BASE
3/4" x 4" PAINT GRADE RED OR WHITE OAK
FINISH: WOOD FINISH TO MATCH DOORS AND TRIM THROUGHOUT

CLT–STN – CULTURED STONE
MANUFACTURER: BORAL
PRODUCT: PRO–FIT LEDGESTONE
COLOR: SOUTHWEST BLEND, PF–8019

GRANITE COUNTERTOP
PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. SEE 2/A5.1 NICHE DETAIL AND A4.2 CASEWORK DETAILS.

DOOR SCHEDULE

#	DOOR IN OPENING	DOOR				FRAME		HARDWARE		REMARKS
		WIDTH	HEIGHT	TYPE	MAT.	MAT.	FINISH #	LOCKSET	SET #	
01	1	3'–0"	7'–0"	A	ALUM	ALUM	1	ENTRANCE	1,7	INSTALL NEW OR EXIST. ADA COMPLIANT EXIT HDW. W/ CLOSER
02	1	3'–0"	7'–0"	D	MTL	MTL	3	ENTRANCE	1,7	INSTALL NEW OR EXIST. ADA COMPLIANT EXIT HDW. W/ CLOSER
03	1	3'–0"	8'–0"	E	WD	WD	4	PASSAGE	4	TEMP. GLASS LITE W/ APPLIED DECAL DESIGN
04	1	3'–0"	8'–0"	E	WD	WD	4	KEYED	5	TEMP. GLASS LITE W/ APPLIED DECAL DESIGN
05	1	3'–0"	8'–0"	B	GLASS	GB	2	–––––	2	W/APPLIED DECAL, 37" FIN. WIDE OPEN'G X 100.5" A.F.F. HEAD R.O.
06	–––	3'–6"	8'–0"	–––	–––	WD	4	–––––	–––	OPENING DETAIL SIMILAR TO 1/A6.1 & 2/A6.1 W/O STOP
07	1	3'–0"	8'–0"	C	WD	WD	4	PASSAGE	4	
08	1	3'–0"	8'–0"	C	WD	WD	4	PASSAGE	4	
09	1	3'–0"	8'–0"	C	WD	WD	4	PASSAGE	4	
10	1	3'–0"	8'–0"	C	WD	WD	4	PRIVACY	6	
11	1	3'–0"	8'–0"	C	WD	WD	4	PRIVACY	6	
12	1	3'–0"	8'–0"	C	WD	WD	4	PASSAGE	4	
13	1	3'–0"	8'–0"	C	WD	WD	4	PASSAGE	4	
14	1	3'–0"	8'–0"	C	WD	WD	4	PASSAGE	4	
15	1	3'–0"	8'–0"	C	WD	WD	4	PASSAGE	4	
16	1	3'–0"	8'–0"	C	WD	WD	4	PASSAGE	4	
17	1	3'–0"	8'–0"	C	WD	WD	4	KEYED	5	
18	1	3'–0"	8'–0"	C	WD	WD	4	PASSAGE	4	

DOOR TYPES
A. EXISTING ALUMINUM STOREFRONT STYLE W/ ADA COMPLIANT EXIT HARDWARE.
B. TEMPERED GLASS DOOR – SUPPLIED BY CORPORATE AND INSTALLED BY GENERAL CONTRACTOR. COORDINATE WITH CORPORATE AND TENANT. DECAL SUPPLIED BY CORPORATE – INSTALLED BY GENERAL CONTRACTOR.
C. WOOD DOOR, SOLID CORE, PLAIN SLICED, PAINT GRADE RED OR WHITE OAK; GRADE 'A' BOOKMATCHED. COLOR: SEE ROOM FINISH SCHEDULE.
D. EXISTING METAL DOOR TO REMAIN – PAINT INTERIOR SIDE DOOR – SEE ROOM FINISH SCHEDULE.
E. WOOD DOOR, SOLID CORE, PLAIN SLICED, PAINT GRADE RED OR WHITE OAK; GRADE 'A' BOOKMATCHED. COLOR: SEE ROOM FINISH SCHEDULE. TEMPERED GLASS LITE AND APPLIED LOGO. DOOR WITH CUTOUT SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR. TEMPERED CLASS LITE SUPPLIED & INSTALLED BY GENERAL CONTRACTOR. DECAL SUPPLIED BY CORP. INSTALLED BY G.C.

FRAME FINISHES
1. EXISTING ALUMINUM STOREFRONT STYLE.
2. GYPSUM BOARD RETURN @ JAMB – PAINT SAME COLOR AS ADJACENT RECEPTION WALL.
3. EXISTING METAL FRAME. PAINT INTERIOR SIDE FRAME. SEE ROOM FINISH SCHEDULE.
4. WOOD FRAME – PAINT GRADE RED OR WHITE OAK TO MATCH DOOR – PAINT – SEE ROOM FINISH SCHEDULE AND 1/A6.1 & 2/A6.1.

DOOR HARDWARE/LOCKSET
1. EXISTING HARDWARE TO REMAIN OR NEW ADA AND CODE COMPLIANT HARDWARE INSTALLED BY OTHERS. COORDINATE W/ BUILDING OWNER.
2. ADA COMPLIANT CONCEALED HINGE SYSTEM, ADA COMPLIANT DOOR CLOSER. ALL COMPONENTS TO HAVE 625 BRIGHT CHROME FINISH. ADA COMPLIANT PUSH/PULL HANDLES SUPPLIED BY TENANT. ALL COMPONENTS TO BE INSTALLED BY GENERAL CONTRACTOR. NO LATCH. DOUBLE ACTING DOOR HARDWARE, ADA COMPLIANT PUSH/PULL HANDLE.
3. HINGES (4), SCHLAGE, "MERANO" #F40 MER 626, SATIN CHROME FINISH, LEVER HANDLE, CLASSROOM LOCKSET FUNCTION.
4. HINGES (4), SCHLAGE, "MERANO" #F40 MER 626, SATIN CHROME FINISH, LEVER HANDLE, PASSAGE LOCKSET FUNCTION.
5. HINGES (4), SCHLAGE, "MERANO" #F40 MER 626, SATIN CHROME FINISH, LEVER HANDLE, KEYED ENTRANCE LOCKSET FUNCTION.
6. HINGES (4), SCHLAGE, "MERANO" #F40 MER 626, SATIN CHROME FINISH, LEVER HANDLE, PRIVACY LOCKSET FUNCTION.
7. FIELD VERIFY COMPLIANCE OF EXISTING THRESHOLDS. INSTALL THRESHOLD PER DETAIL 3 OR 4/A6.1 AT DOORS 01 & 03 IF REQUIRED.

ACCESSORIES
1. INSTALL (4) CLEAR DOOR SILENCERS AT ALL DOORS EXCEPT FULL GLASS DOOR.
2. INSTALL #409 CONCAVE WROUGHT WALL STOP BY ROCKWOOD W/ 625 SATIN CHROME FINISH AT DOOR/WALL LOCATIONS AS REQUIRED TO PROTECT WALL FROM DOOR HANDLE.
3. INSTALL COMMERCIAL STYLE STRIKE PLATES W/ 626 SATIN CHROME FINISH.
4. SUPPLY MOUNTING AND ADA COMPLIANT CLOSER HARDWARE FOR RECEPTION GLASS DOOR W/626 SATIN CHROME FINISH.
5. INSTALL HEAVY DUTY BALL HINGES W/ 626 SATIN CHROME FINISH (4 HINGES TYPICAL AT EACH DOOR).

BRADLEY COLLINS PETERSON
NUMBER A–006865
REGISTERED ARCHITECT
SEAL
02.25.21

CERTIFICATE OF AUTHORITY
MISSOURI LIC. #2014008379
BRADLEY COLLINS PETERSON
MISSOURI LIC. #006865

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131 east drake avenue
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ISSUES / REVISIONS :

NO.	DATE	REMARKS
1	03.22.21	CITY OF LEE'S SUMMIT REVIEW

TENANT BUILD OUT
MassageLuXe - Summit at West Pryor
940 NW Pryor Road, Unit: H
Lee's Summit, MO 64081
SCHEDULES

PROJECT NUMBER
20022

PROJECT PHASE
CONTRACT DOCUMENTS

DRAWN BY:
BCP

CHECKED BY:
BCP

DATE:
02.25.2021

SHEET NO.
A6.1

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DOES COMPLY WITH ORDINANCES
LEE'S SUMMIT, MISSOURI
03/22/2021

RESPONSIBILITY MATRIX

ITEM #	DESCRIPTION	PROVIDE	INSTALL	UTILITY CONNECTIONS ELECT.	GAS	WATER	SEWER	REMARKS
RESTROOM AND SHOWER ROOM ACCESSORIES								
	STAINLESS STEEL GRAB BARS	GC	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	PAPER TOWEL DISPEN & WASTE RECPT	GC	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	TOILET TISSUE DISPENSER	GC	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	SANITARY NAPKIN DISPOSAL	GC	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	SOAP DISPENSER	GC	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	COAT HOOK	GC	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	MIRROR	COR	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING - SEE MANUAL
	SHOWER ROOM SEAT	GC	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
MISCELLANEOUS EQUIPMENT								
	POINT OF SALE SYSTEM	COR	COR	BY GC, RE ELEC.				CASH DRAWER MOUNTED BELOW POS COUNTER, CASH DRAWER PROVIDED AND INSTALLED BY CORPORATE
	COMPUTER MONITORS	COR	COR	BY GC, RE ELEC.				INSTALL BACKING AS REQ.D. FOR MOUNTING, PULL WIRING & INSTALL BOX BY G.C.
	COMPUTER SYSTEM	COR	COR	BY GC, RE ELEC.				INSTALL BACKING AS REQ.D. FOR MOUNTING, PULL WIRING & INSTALL BOX BY G.C.
	SAFE	COR	GC					
	SHELVING - WOOD AND P.LAM	GC	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	SHELVING - METAL (ASSEMBLED)	F	GC					
	WATER HEATER	GC	GC	BY GC, RE ELEC.		CW BY GC, RE MECH.	CW BY GC, RE MECH.	
	WASHER/DRYER	F	GC	BY GC, RE ELEC.		CW BY GC, RE MECH.	CW BY GC, RE MECH.	G.C. TO VENT DRYER TO EXTERIOR ROOF PER CODE, PROVIDE & INSTALL WASHER BOX
	HYDRO LUXE TABLE	F	GC/V	BY GC, RE ELEC.				G.C. PROVIDE & INSTALL COMM. DROP, G.C TO DELIVER TABLE TO ROOM - VENDOR TO SET-UP
	REFRIGERATOR	F	GC	BY GC, RE ELEC.		CW BY GC, RE MECH.		G.C. PROVIDE & INSTALL ICE MAKER BOX
	MICROWAVE	F	F	BY GC, RE ELEC.				
	WALL CLOCKS (BATTERY POWERED)	COR	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING, PROVIDE & INSTALL (1) "AA" BATTERY EACH
	WARMERS @ MASSAGE ROOMS	F	F					
	TELEVISION & COMPUTER BRACKETS	GC	GC					G.C. TO INSTALL BACKING AS REQUIRED FOR MOUNTING
FURNITURE & FURNISHINGS								
	OFFICE CHAIR & DESK	F	GC					
	MASSAGE & AESTHETICIAN CHAIRS	COR	GC					
	HYDRO LUXE ROOM CHAIR	COR	GC					
	MASSAGE & AESTHETICIAN TABLES	COR	GC	BY GC, RE ELEC.				
	EMPLOYEE ROOM TABLE & CHAIRS	F	GC					
	EMPLOYEE LOCKERS	GC	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	ART WORK - WALL HUNG	COR	GC					INSTALL AS DIRECTED - SEE FIXTURE & EQUIPMENT PLAN
	ART WORK - STATUES	COR	GC					TWO STATUES TYPICAL - ONE STATUE AT EACH NICHE
PHONE SYSTEM								
	TELEPHONES	COR	COR	BY GC, RE ELEC.				G.C. TO PULL CABLE, PROVIDE DROPS AND TERMINATE CONNECTIONS
	TELEPHONE PANEL BOARD	GC	GC	BY GC, RE ELEC.				G.C. TO PULL CABLE, PROVIDE DROPS AND TERMINATE CONNECTIONS
SOUND SYSTEM								
	SPEAKERS	COR	GC	BY GC, RE ELEC.				
	SPEAKER WIRING & J-BOXES	GC	GC	BY GC, RE ELEC.				SEE DMX SYSTEM WIRING SPECIFICATIONS, 2/C DAISYCHAIN SPEAKERS, SHEILDED WIRE
	AUDIO SYSTEM EQUIPMENT	COR	GC	BY GC, RE ELEC.				
	VOLUME CONTROL	COR	GC	BY GC, RE ELEC.				
MANAGER'S OFFICE EQUIPMENT								
	FILE CABINET	F	F					
	COMPUTER SYSTEMS	COR	COR	BY GC, RE ELEC.				
	PRINTER/COPIER/FAX MACHINE	COR	COR	BY GC, RE ELEC.				
SECURITY SYSTEMS								
	CLOSED CIRCUIT T.V. CAMERAS	F	V	BY GC, RE ELEC.				
	SECURITY MONITOR	F	V	BY GC, RE ELEC.				
	72 HR. SECURITY VCR	F	V	BY GC, RE ELEC.				
	SECURITY ALARM & MOTION DETECTORS	F	V	BY GC, RE ELEC.				
PLUMBING FIXTURES								
	TOILETS	GC	GC			CW BY GC, RE MECH.	DIRECT BY GC, RE MECH.	
	RESTROOM SINKS	COR	GC			H/W & CW BY GC, RE MECH.	DIRECT GC, RE MECH.	
	RESTROOM FAUCETS	GC	GC			H/W & CW BY GC, RE MECH.	DIRECT GC, RE MECH.	
	AESTHETICAIN ROOM SINKS	COR	GC			H/W & CW BY GC, RE MECH.	DIRECT GC, RE MECH.	
	AESTHETICAIN ROOM FAUCETS	GC	GC			H/W & CW BY GC, RE MECH.	DIRECT GC, RE MECH.	
~~STAFF AREA HAND SINK~~		~~GC~~	~~GC~~			H/W & CW BY GC, RE MECH.	DIRECT GC, RE MECH.	
~~STAFF AREA HAND SINK FAUCET~~		~~GC~~	~~GC~~			H/W & CW BY GC, RE MECH.	DIRECT GC, RE MECH.	
~~MASSAGE ROOM HAND SINK~~		~~GC~~	~~GC~~			H/W & CW BY GC, RE MECH.	DIRECT GC, RE MECH.	
~~MASSAGE ROOM HAND SINK FAUCET~~		~~GC~~	~~GC~~			H/W & CW BY GC, RE MECH.	DIRECT GC, RE MECH.	
	STAFF AREA COUNTER SINK	GC	GC			H/W & CW BY GC, RE MECH.	DIRECT GC, RE MECH.	
	STAFF AREA COUNTER FAUCET	GC	GC			H/W & CW BY GC, RE MECH.	DIRECT GC, RE MECH.	
	MOP BASIN	GC	GC			H/W & CW BY GC, RE MECH.	DIRECT GC, RE MECH.	
	MOP BASIN FAUCET	GC	GC			H/W & CW BY GC, RE MECH.	DIRECT GC, RE MECH.	
	DRINKING FOUNTAIN	GC	GC			CW BY GC, RE MECH.	DIRECT GC, RE MECH.	
	QUENCH Q7 WATER DISPENSER	GC/F	V	BY GC, RE ELEC.		CW BY GC, RE MECH.		COUNTERTOP MODEL - SEE CONSTRUCTION MANUAL - GC TO PROVIDE 1/4" SUPPPLY
	QUENCH Q7 WATER DISPENSER	GC/F	V	BY GC, RE ELEC.		CW BY GC, RE MECH.		FREE STANDING FLOOR MODEL - SEE CONSTRUCTION MANUAL - GC TO PROVIDE 1/4" SUPPPLY
FIRE PROTECTION SYSTEM: (fire alarm system, fire sprinkler, fire extinguisher, and all other code required fire protection equipment)								
	COMPLETE SYSTEM	GC	GC	BY GC, RE ELEC.		BY GC, RE MECH.		WHEN FIRE PROTECTION SYSTEM IS REQUIRED BY CODE RE: ELEC. & MECH. DWGS. FOR FIRE PROTECTION SYSTEM DESIGN
	FIRE EXTINGUISHER CABINET	GC	GC					SEE PLAN FOR MODEL NUMBER AND LOCATION
	FIRE EXTINGUISHERS	GC	GC					COORDINATE EXTINGUISHER TYPE WITH FIRE DISTRICT HAVING JURISDICTION - SEE DWGS.

ABBREVIATIONS

F	FRANCHISEE	COR	CORPORATE	V	VENDOR
GC	GENERAL CONTRACTOR	PV	PREFERRED VENDOR		

RESPONSIBILITY MATRIX

ITEM #	DESCRIPTION	PROVIDE	INSTALL	UTILITY CONNECTIONS ELECT.	GAS	WATER	SEWER	REMARKS
CASEWORK & MISC. METAL WORK								
	RECEPTION DESK	COR	GC					G.C. TO ASSEBMLE DESK, P.LAM TOP AND GRANITE TOPS (GRANITE TOPS PROVIDED BY G.C.)
	RECEPTION CABINETS	COR	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	RECEPTION CABINET FILE BRACKETS	COR	GC					
	RESTROOM VANITY	COR	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	MASSAGE ROOM CORNER CABINET	COR	GC					
	HYDRO LUXE ROOM CORNER CABINET	COR	GC					
	STAFF AREA CABINETS	GC	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	FEATURE WALL ELEMENTS	COR	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	BASE CABINET AT SMALL NICHE	COR	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	AESTHETICIAN CABINETS	COR	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
DOOR & INTERIOR SIGNAGE								
	MASSAGE & AESTH. ROOM GLASS SIGNS	COR	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	LUXE LOUNGE GLASS SIGN	COR	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	RESTROOM GLASS SIGNS	COR	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	STAFF & WORK AREA GLASS SIGNS	COR	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	STORAGE GLASS SIGNS	COR	GC					INSTALL BACKING AS REQUIRED FOR MOUNTING
	RESTROOM ADA SIGNS	GC	GC					
	GLASS RECEPTION DOOR	COR	GC					INSTALL BACKING AT HEAD AS REQUIRED FOR CLOSER MOUNTING
	GLASS RECEPTION DOOR HARDWARE	COR	GC					PROVIDE OPENINGS AS REQUIRED FOR HARDWARE INSTALLATION, INSTALL SHIMS AS REQUIRED
	OFFICE DOOR	GC	GC					
	OFFICE DOOR GLAZING INSERT	GC	GC					APPLICATION SUPPLIED BY CORP INSTALLED BY GC
	HYDRO LUXE MASSAGE DOOR	GC	GC					
	HYDRO LUXE MASSAGE GLAZING INSERT	GC	GC					APPLICATION SUPPLIED BY CORP INSTALLED BY GC
	ALL GLASS DOOR GLAZING DECALS	COR	GC					APPLICATION SUPPLIED BY CORP INSTALLED BY GC
	MASSAGE ROOM DOORS	GC	GC					
~~MASSAGE ROOM ACCORDION DOOR~~		~~GC~~	~~GC~~					~~PROVIDE COLUMNS AND BEAM AS REQUIRED FOR MOUNTING~~
	S.S. MASSAGE LUXE SIGNAGE	COR	GC					INSTALL AS DIRECTED BY CORPORATE SUPPLIED TEMPLATE
~~S.S. FACE LUXE SIGNAGE~~		~~COR~~	~~GC~~					~~INSTALL AS DIRECTED BY CORPORATE SUPPLIED TEMPLATE~~
EXTERIOR BUILDING SIGNAGE								
	EXTERIOR SIGNAGE	PV	PV	BY GC, RE ELEC.				GC TO SUPPLY AND INSTALL POWER SOURCE AND TIMER
	WINDOW SIGNAGE - MOUNTED	F	GC	BY GC, RE ELEC.				WINDOW SIGNAGE TO BE HUNG FROM SOFFIT ABOVE ALUMINUM STOREFRONT
	WINDOW SIGNAGE - EXTERIOR DECALS	F	GC					LOCATION AND EXTENT OF COVERAGE TO BE DETERMINED BY UPON ZONING APPROVAL
HVAC EQUIPMENT								
	MAKE UP AIR UNIT & CURBS	GC	GC	BY GC, RE ELEC.	BY GC, RE MECH.	BY GC, RE MECH.	BY GC, RE MECH.	CURB PROVIDED AND INSTALLED BY GC
	EXHAUST FANS & CURBS	GC	GC	BY GC, RE ELEC.	BY GC, RE MECH.	BY GC, RE MECH.	BY GC, RE MECH.	CURB PROVIDED AND INSTALLED BY GC
	ROOF TOP UNITS & CURBS	GC	GC	BY GC, RE ELEC.	BY GC, RE MECH.	BY GC, RE MECH.	BY GC, RE MECH.	CURB PROVIDED AND INSTALLED BY GC
	TEST & BALANCE SYSTEM	GC	GC	BY GC, RE ELEC.	BY GC, RE MECH.	BY GC, RE MECH.	BY GC, RE MECH.	PROVIDE HVAC TEST & BALANCE PER APPLICABLE BUILDING/ENERGY CODES
LIGHTING FIXTURES & LAMPS								
	MASSAGE ROOM SCONCES	COR	GC	BY GC, RE ELEC.				INSTALL BACKING AS REQUIRED FOR MOUNTING
	HYDRO LUXE ROOM SCONCE	COR	GC	BY GC, RE ELEC.				INSTALL BACKING AS REQUIRED FOR MOUNTING
	RECEPTION FEATURE WALL SCONCES	COR	GC	BY GC, RE ELEC.				INSTALL BACKING AS REQUIRED FOR MOUNTING
	RESTROOM SCONCES	COR	GC	BY GC, RE ELEC.				INSTALL BACKING AS REQUIRED FOR MOUNTING
	AESTHETICIAN ROOM SCONCES	COR	GC	BY GC, RE ELEC.				INSTALL BACKING AS REQUIRED FOR MOUNTING
	ALL OTHER LIGHT FIXTURES & LAMPS	GC	GC	BY GC, RE ELEC				INSTALL BACKING AS REQUIRED FOR MOUNTING
INTERIOR FINISHES								
	FLOOR TILE	GC	GC					INSTALL 45 DEGREES TO WALL AT RECEPTION FLOOR, ML VENDOR PURCHASE REQUIRED
	TILE BASE	GC	GC					VENDOR PURCHASE REQUIRED, ML VENDOR PURCHASE REQUIRED
	WALL TILE	GC	GC					INSTALL 90 DEGREES TO FLOOR - STACK BOND PATTERN , ML VENDOR PURCHASE REQUIRED
	CULTURED STONE	GC	GC					
	GRANITE COUNTER TOPS	GC	GC					GC TO SUBMIT PHOTOGRAPH OF SUPREME GOLD GRANITE SLAB FOR CORPORATE APPROVAL
	VINYL WALL BASE	GC	GC					ML VENDOR PURCHASE REQUIRED
~~WOOD WALL BASE~~		~~GC~~	~~GC~~					
	WOOD TRIM AND CASING	GC	GC					
	EXPANDED VINYL WALL COVERING	GC	GC					REQUIRES LEVEL 5 GYPSUM BOARD FINISH, ML VENDOR PURCHASE REQUIRED
	CUSTOM WALL PAPER	COR	GC					LOCATED AT FEATURE WALL - REQUIRES LEVEL 5 GYPSUM BOARD FINISH
	PAINT	GC	GC					
	PAINT AT DOORS AND TRIM	GC	GC					SUBMIT SAMPLES FOR ARCHITECT AND CORPORATE APPROVAL PRIOR TO APPLICATION
	FIBERGLASS REINFORCED PANEL (FRP)	GC	GC					
	ACOUSTICAL CEILING TILE & GRID	GC	GC					
	CARPET	GC	GC					INSTALL 1/4 TURN, ML VENDOR PURCHASE REQUIRED
~~VINYL COMPOSITION TILE~~		~~GC~~	~~GC~~					~~INSTALL 1/4 TURN~~

ABBREVIATIONS

F	FRANCHISEE	COR	CORPORATE	V	VENDOR
GC	GENERAL CONTRACTOR	PV	PREFERRED VENDOR		

STATE OF MISSOURI
BRADLEY COLLINS PETERSON
NUMBER A-6865
REGISTERED ARCHITECT
SEAL 03.25.21

CERTIFICATE OF AUTHORITY
MISSOURI LIC. #2014008379

BRADLEY COLLINS PETERSON
MISSOURI LIC. #006865

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ISSUES / REVISIONS :

NO.	DATE	REMARKS

TENANT BUILD OUT

MassageLuXe - Summit at West Pryor
940 NW Pryor Road
Lee's Summit, MO 64081

RESPONSIBILITY MATRIX

PROJECT NUMBER
20022

PROJECT PHASE
CONTRACT DOCUMENTS

DRAWN BY:
BCP

CHECKED BY:
BCP

DATE:
02.25.2021

SHEET NO.
A6.2

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
AND COMMENTS INCLUDED
LEE'S SUMMIT, MISSOURI
03/22/2021

GENERAL NOTES

Division 1 - General Requirements

1.01 Release of these plans obligates further cooperation among the Owner, his Contractor, and the Architect and his consultants. Any ambiguity or discrepancy discovered through the use of these plans shall be reported immediately to the Architect. Failure to notify the Architect compounds misunderstanding and increases construction costs. A failure to cooperate by simple notice to the Architect shall relieve the Architect from responsibility for all consequences resulting from such changes.

Codes / Permits

1.02 Work shall comply with all applicable local, city, state, and federal codes and ordinances.

1.03 The building permits are to be procured by the General Contractor. Other appropriate permits to be procured by applicable subcontractor as required.

Demolition

1.04 Work shall include all materials, labor, equipment, and tools required to complete all site work.

1.05 Remove all doors, windows, partitions, HVAC, plumbing, and electrical equipment as noted.

1.06 Any hazardous material shall be surveyed, identified, and removed by a qualified contractor. It is not the purpose or intent of these drawings to locate or identify any hazardous materials, including but not limited to mold, asbestos and lead.

Layout

1.07 Do not scale drawings except for general bidding purposes. Follow written dimensions only. Before proceeding with work, contractor shall verify all dimensions and notify Architect of any discrepancies found among the documents or between the documents and existing conditions.

1.08 All dimensions are to face of stud, unless noted otherwise.

1.09 The word "align" as used in these documents shall supersede any dimensional information otherwise indicated.

1.10 All dimensions noted as "±" or "existing" may vary and shall be verified by the General Contractor in the field. Notify Architect of any discrepancy prior to proceeding with construction in these areas.

Shop Drawings

Submit shop drawings, product data, and/or samples to Architect for review.

Energy Requirements

1.11 Buildings shall be designed and constructed in accordance with the Energy Requirements of the building code adopted by the City of Lee's Summit, Missouri.

Division 2 - Site Work

2.01 Work shall include all materials, labor, equipment, and tools required to complete all site work.

Demolition

2.02 Remove all items as indicated on the drawings.

Utilities

2.03 Locate all utilities and provide proper protection from damage. Coordinate with utility company prior to any excavation/trenching or disruption of service.

2.04 Conform to applicable Sewer District Standards.

Division 3 - Concrete

3.01 Work shall include the furnishing of shop drawings as required, materials, labor, equipment, and tools to complete all concrete work.

General

3.02 Concrete mixes shall comply with ACI 318. All other concrete shall be 2500 PSI minimum @ 28 days. No calcium chloride shall be permitted without written approval. Concrete aggregates ASTM C33. All concrete shall be air entrained per the 2018 International Building Code.

3.03 All patching and repair shall comply with all applicable codes.

Division 4 - Masonry

(Not Applicable)

Division 5 - Metals

5.01 Welded wire fabric to be ASTM A496, 6x6xW1.4 (as indicated). Lap fabric 6" minimum and maintain fabric at mid depth of slab while placing concrete.

5.02 Materials:
A. Shapes and Plates: ASTM A36.
B. Bolts: 3/4" O.C. (minimum), A325 (Type N)
C. Anchor Bolts: 3/4" O.C. (minimum), A307
D. Expansion bolts: Hilti "Kwik-Bolt I!" stud anchors for concrete.

5.03 All welding shall be in accordance with the "Structural Welding Society Code" (AWS D.1-88) published by the American Welding Society Standards.

5.04 The splicing of steel members, unless shown on the drawings, is prohibited without written approval of the Architect.

5.05 No change in size or position of the structural elements shall be made. Holes, slots, and cuts, etc. are not permitted through any member unless they are detailed on the approved shop drawings.

Division 5 - Metals (continued)

SECTION 05400 COLD-FORMED METAL FRAMING

SECTION INCLUDES
A. Cold-formed metal framing for walls.

REFERENCES
A. ASTM A 780 - Standard Practice for Repair of Damaged and Uncoated Areas of Hot-Dip Galvanized Coatings; 2000.
B. ASTM A 1003 - Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members; 2001.
C. ASTM B 633 - Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel; 1998.
D. ASTM C 955 - Standard Specification for Load-Bearing (Transverse and Axial) Steel Studs, Runners (Tracks), and Bracing or Bridging for Screw Application of Gypsum Panel Products and Metal Plaster Bases; 2000a.
E. ASTM C 1513 - Standard Specification for Steel Tapping Screws for Cold-Formed Steel Framing Connections.
F. ASTM C1007 - Standard Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories; 2000.
G. AISI - Standard for Cold-Formed Steel Framing General Provisions.
H. AISI - Specification for the Design of Cold-Formed Steel Structural Members; 1996.
I. AWS D.1.3 - Structural Welding Code - Sheet Steel; 2000.

FABRICATION
A. General: Framing components may be pre-assembled into panels prior to erecting.
B. Fabricate panels square, with components attached in a manner so as to prevent racking or distortion.
C. Cut all framing components squarely for attachment to perpendicular members, or as required for an angular fit against abutting members. Hold members positively in place until properly fastened.
D. Provide insulation as specified elsewhere in all double jamb studs and double header members, which will not be accessible to the insulation contractor.
E. Axially Loaded Studs:
1. Install studs to have full bearing against inside track web (1/8 inches (3.2 mm) maximum gap) prior to stud and track attachment.
2. Splices in axially loaded studs are not permitted.
F. Fasteners: Fasten components using self-tapping screws or welding.
G. Welding: Welding is permitted on 18 gauge or heavier material only.

ERECTION
A. General Erection Requirements:
1. Install cold-formed framing in accordance with requirements of ASTM C1007.
2. Weld in compliance with AWS D.1.3.
3. Install in compliance with applicable sections of the AISI Standard for Cold-Formed Steel Framing General Provisions.

Division 6 - Carpentry

6.01 Work shall consist of all services typically known as "Design/Build" work and shall include the furnishing of shop drawings as required, materials, labor, equipment, and tools to complete all rough and finish carpentry.

Rough Carpentry

6.02 Not used.

6.03 Concealed wood blocking shall be fire treated as required by code.

6.04 All framing shall be secured in place according to the fastening schedule of the 2018 International Building Code.

6.05 All cutting and notching of framing members to be in accordance with the 2018 International Building Code.

6.06 All soffits or dropped ceilings shall be fire stopped as required by code.

6.07 Fire-stop in an approved manner around all vertical plumbing lines passing through a tenant-separation wall or ceiling/floor assembly.

6.08 Install blocking as necessary in walls that receive cabinets, shelves, accessories, wall-mounted equipment, and miscellaneous devices.

6.09 All metal fasteners and accessories shall be galvanized.

Casework and Architectural Woodwork

6.10 Casework includes base & wall cabinets and countertops. The selection of cabinet sizes, wood species, profiles, finishes, hardware, and accessories are to be by the Architect, Tenant or Contractor.

6.11 Not used.

6.12 Cabinet and countertop supplier to field measure area of work after rough framing is complete to assure fit with minimum scribes and to assure the free operation of all doors and drawers.

Division 7 - Thermal and Moisture Protection

Building Insulation

7.01 Furnish all labor, material and equipment to complete the building insulation work shown on the drawings, and per the following:

7.02 Acoustical and thermal insulation shall comply with ASTM E 84 or UL 723 per the Current Indiana State Building Code - 2012 International Building Codee.

7.03 Concealed acoustical and thermal insulation shall have a flame spread index of not more than 25 and a smoke-developed index of not more than 450.

7.04 Exposed acoustical and thermal insulation shall have a flame spread index of not more than 25 and a smoke-developed index of not more than 450.

7.05 Loose fill insulation that connot be mounted in the ASTM E 84 or UL 723 apparatus without a screen or artificial supports shall have a flame spread index of not more than 25 and a smoke-developed index of not more than 450.

Sealants

7.06 Joints around door frames, between wall cavities or door frames, between wall panels, at penetrations or utility services through walls, floors and roofs, and all other openings in the exterior envelope shall be sealed or weather-stripped in an approved manner, or as indicated on the drawings.

Division 8 - Doors and Windows

Doors

8.01 All existing doors to remain unless noted otherwise.

8.02 New interior doors are as noted on drawings.

8.03 Glazing at exterior doors, sidelights and transoms shall be insulated glass. Provide tempered glass where required by code or as indicated on the drawings.

8.04 Glass in exterior or interior doors shall be tempered glass or approved shatter resistant plastic.

Division 9 - Finishes

9.01 Work shall include the furnishing of shop drawings as required, materials, labor, equipment, and tools to complete all finish work.

General

9.02 Remove all existing finishes as noted and properly prepare all existing or new surfaces per manufacturer's recommendations to receive new finish.

9.03 Interior wall and ceiling finish materials shall be classified in accordance with ASTM E 84 or UL 723.

9.03 a) Exit enclosures and exit passageways interior wall and ceiling finish materials shall be Class B minimum and have a flame spread index of 76 - 75 and a smoke-developed index of 0 - 450.

9.03 b) Corridors interior wall and ceiling finish materials shall be Class C minimum and have a flame spread index of 76 - 200 and a smoke-developed index of 0 - 450.

9.03 c) Rooms and enclosed spaces interior wall and ceiling finish materials shall be Class C minimum and have a flame spread index of 76 - 200 and a smoke-developed index of 0 - 450.

9.04 All fire rated drywall assemblies shall be an approved assembly.

9.05 Drywall installations shall be in accordance with Gypsum Association recommended practices with respect to stud and board type, thickness, nailing and taping. Provide Level 4 Drywall Finish throughout unless noted otherwise.

9.06 Provide moisture resistant gypsum board at all tub and shower enclosures, sink or vanity walls and plumbing chase walls. Provide "Wunderboard" or approved equal underlayment (if required) at all wet area surfaces that receive ceramic tile or other set stone material.

9.07 Interior floor finish and floor covering materials to be of Class I or Class II materials classified in accordance with NFPA 253.

Vinyl Composition Tile

9.08 Vinyl composition tile shall be as noted on the drawings. Sub floor preparation and adhesive shall be as recommended by manufacturer. Install 1/4 turn.

Sheet Vinyl

9.09 Sheet vinyl shall be as noted on the drawings. Sub floor preparation and adhesive shall be as recommended by manufacturer.

Porcelain/Ceramic Tile

9.10 Porcelain/Ceramic Tile shall be as noted on the drawings. Sub floor preparation, adhesive, grout and installation shall be as indicated on the drawings and as recommended by manufacturer. Install 1/4 turn.

9.11 Any depressions, unevenness, expansion joints, etc. shall be filled with water-resistant, non-shrinking, non-crumbling compound and trawled to proper level.

Carpeting

9.12 Carpeting: Installed per maufacturer specifications. Install 1/4 turn.

9.13 Provide adhesives, tack strips, nailing, and any other fasteners necessary for the installation as recommended by the manufacturer.

Painting/Staining

9.14 Contractor shall submit proposed prep and stain or painting system for each type of surface. Include approved paint manufacturer/product data as well as coating sequence. Submit stain and finish sample to Architect for approval prior to application.

9.15 Provide one prime and two finish coats of paint on all exposed wood unless noted otherwise.

9.16 Provide one primer/sealer coat and two finish coats of paint on all new gypsum board surfaces.

Expanded Vinyl Wall Covering

9.17 Expanded vinyl wall covering: Installed per maufacturer specifications.

9.18 Any depressions, unevenness, expansion joints, etc. shall be filled with compound and trawled to proper level of adjacent surfaces. Provide Level 5 Drywall Finish at walls with Expanded Vinyl Wall Covering.

Vinyl Film Wall Covering

9.19 Vinyl film wall covering: Installed per maufacturer specifications. Provide Level 5 DrywallFinish at walls with Vinyl Film Wall Covering.

9.20 Any depressions, unevenness, expansion joints, etc. shall be filled with compound and trawled to proper level of adjacent surfaces.

Vinyl Wall Base

9.21 Viny wall base: Installed per maufacturer specifications.

Suspended Ceilling System

9.22 Suspended Ceilling System: Installed per maufacturer specifications.

Division 10 - Specialties

Restroom Accessories

10.01 Provide and install restroom accessories as scheduled, indicated on the drawings and/or selected by Tenant. Install necessary blocking and provide fasteners, adhesives, trim, related accessories, etc. as recommended by the manufacturer for a complete installation.

Postal / Address Specialties

10.02 Install address/suite numbers as required by the City of Lee's Summit, Missouri and/or the fire marshall at the front entry door.

10.03 Install address/suite numbers as required by the City of Lee's Summit, Missouri and/or the fire marshall at the rear exit door.

Protruding Objects

10.04 Structural elements, fixtures or furnishings shall not project horizontally from either side more than 4 inches (102 mm) over any walking surface between the heights of 27 inches (686 mm) and 80 inches (2032 mm) above the walking surface.

Division 11 - Equipment

Staff Area / Work Area / Laundry Equipment

11.01 Provide and install appliances as indicated in the drawings. Staff Room and Laundry equipment to be selected by Tenant. Provide power, water, drain and other associated utilities as required for a complete installation. Verify clearances and relative information with associated trades and sub-contractors.

11.01.1 Refrigerator (36" +/- R. O.)
11.01.2 Microwave
11.01.3 Garbage Disposal (1/2 hp)
11.01.4 Washer/Dryer (vent Dryer to exterior per Code)

Division 12 - Furnishings

(Not Applicable)

Division 13 - Special Construction

(Not Applicable)

Division 14 - Conveying Systems

(Not Applicable)

Division 15 - Mechanical

15.01 Contractor shall provide of shop drawings as required, materials, labor, equipment, and tools to complete all installation and finish work. Work shall include:

HVAC (See Mechanical Drawings)

15.02 Work shall include the design of complete heating and cooling system including load calculations for all equipment and accessories indicated for installation.

15.03 Installation of proposed/approved system.

15.04 HVAC work shall comply with all applicable codes and ordinances. All required permits, fees, inspections, approvals, etc. shall be the responsibility of the Contractor.

15.05 General Contractor shall coordinate all mechanical work with HVAC subcontractor and other trades.

15.06 Submit proposed HVAC systems design including system layout and specifications, equipment, accessories, register layout and register style to Designer and Tenant/Contractor. HVAC system concept is indicated on the drawings to describe architectural design only.

15.07 Temperature and humidity design tolerances shall be as required by code.

15.08 No thermostat shall be located within 12" horizontally of a dimmer switch.

15.09 All ductwork shall be sized and constructed to comply with SMCNA and ASHRAE guidelines as outlined under low-pressure ductwork.

15.10 All ductwork shall be galvanized sheet metal.

15.11 All mechanical equipment, ductwork and piping to be supported in an approved manner (steel angles, hanger, etc.)

15.12 Assemble operating manual including equipment operating procedures, flow diagrams, maintenance schedules, warranties and system design for use by Tenant.

15.13 Provide exhaust fans for restroom ventilation as required by code. Vent to exterior or in an approved manner.

15.14 Vent Dryer to exterior through roof as required by Code.

15.15 Coordinate register locations with lighting, equipment layouts and general building features.

15.16 Contractor shall notify Designer and obtain written approval prior to cutting or boring any structural members including rafters, joists, beams, studs, posts, etc.

15.17 Balance system properly. Temperature and humidity design tolerances shall be as required by code.

Plumbing (See Plumbing Drawings)

15.17 Contractor shall provide:

15.17.1 Design for a complete plumbing system including drawings and specifications for all equipment piping, fixtures and accessories indicated and/or required for complete installation.
15.17.2 Installation of proposed/approved system

15.18 Plumbing work shall comply with all applicable local codes and ordinances. All required permits, fees, inspections, approvals, etc., shall be the responsibility of the Plumbing Contractor.

15.19 General Contractor shall coordinate all plumbing work with plumbing subcontractor and other trades.

15.20 See drawings for plumbing fixtures and equipment locations.

15.21 Install water heater as shown on the plans. Install flue through roof as required by code and manufacturer.

15.22 Install floor drains as idicated on plans and as required by code.

15.23 Contractor shall verify specifications and requirements of all appliances, equipment, fixtures, etc. Provide required plumbing rough-in connections, piping, venting, etc.

15.24 Contractor shall notify Architect and obtain written approval prior to cutting or boring any structural members including joists, beams, studs, posts, etc.

15.25 No-lead solder is required on all copper water supply pipes.

Division 16 - Electrical

16.01 Contractor shall provide of shop drawings as required, materials, labor, equipment, and tools to complete all installation and finish work. Work shall include:

16.01.1 See Electrical Drawings.
16.01.2 Design of complete electrical system including drawings and specifications for all rough in, equipment, wiring, devices and accessories as indicated and/or required for a complete installation.
16.01.3 Installation of proposed/ approved system.

16.02 Electrical work shall comply with all applicable local codes and ordinances All required permits, fees, inspections, approvals, etc., shall be the responsibility of the Electrical Contractor.

16.03 General Contractor shall coordinate all electrical work with electrical subcontractor and other trades.

16.04 See plans for types and locations of electrical devices and fixtures. Tenant shall select all electrical devices and fixtures. Contractor shall furnish all necessary rough-in materials, devices and fixtures unless otherwise noted. Coordinate color and style of device and faceplates with Tenant.

16.05 General Contractor shall coordinate to assure proper timing and installation of telephone, computer, security and sound systems.

16.06 All dimensioned devices are from centerline of device to finished floor as indicated.

Division 16 - Electrical

(Continued)

16.07 When adjacent to a door, locate edge of cover plate switch 6" from edge of door casing unless otherwise noted. Gang adjacent light switches in a common device cover plate.

16.08 Provide dedicated isolated ground outlets where indicated or as required by code.

16.09 Provide GFI outlets as required by code.

16.10 Provide and install interconnected, 2018 International Building Code approved smoke detectors as required by code. Smoke detectors shall be battery back-up type.

16.11 Provide and install interconnected, 2018 International Building Code fire detection system as required by code.

16.12 Install approved carbon monoxide detectors as required by code.

16.13 Notify Architect and Engineer and obtain written approval if conditions prevent installation of any fixture or device in proposed or otherwise previously approved location prior to installing in alternate location.

16.14 Contractor shall notify Architect and Engineer and obtain written approval prior to cutting any structural members, including joists, beams, studs, posts, etc.

16.15 Install complete phone/data service with phone/data jacks as shown on the drawings.

PLUMBING FIXTURE SCHEDULE

NO.	LOCATION	ITEM DESCRIPTION	MANUFACTURER OR CATALOG #
WC-1	MEN'S RESTROOM WOMEN'S RESTROOM	WATER CLOSET - CADET RIGHT HEIGHT ELONGATED TOILET: ADA, VITREOUS CHINA, ELONGATED BOWL, HIGH EFFICIENCY TOILET COLOR: WHITE - ELONGATED SEAT: #5321.110	AMERICAN STANDARD #2467.016.020
LAV-1	MEN'S RESTROOM WOMEN'S RESTROOM	17 X 14 UNDERCOUNTER MOUNTED LAVATORY VITREOUS CHINA COLOR: WHITE	PROFLO #PF1714UAWH
FAU-1	MEN'S RESTROOM WOMEN'S RESTROOM	"JAIDA" SINGLE CONTROL LAVATORY FAUCET FINISH: (YY)	PFISTER #LF-042-JDYY
SK-1	AESTHETICIAN	15 X 12-3/4 X 7-1/4 UNDERMOUNT SINK FINISH: STAINLESS STEEL	MR DIRECT #1512
FAU-2	AESTHETICIAN	"JAIDA" SINGLE CONTROL LAVATORY FAUCET FINISH: (JJ)	PFISTER #LF-042-JDKK
SK-2	STAFF AREA	25 X 22 X 6 RAISED RIM DROP IN SINK 3 HOLES @ 4" O.C., WITH 3/8" RAISED RIM FINISH: STAINLESS STEEL	
FAU-3	STAFF AREA	EXPOSED DECK-MOUNT 8" CENTER COMMERCIAL FAUCET WITH 4" WRIST BLADE HANDLES FINISH: POLISHED CHROME	ELKAY #LK810HA08T4
DF-1	CORRIDOR	NO LEAD SWIRLFLO DRINKING FOUNTAIN FULLY EXPOSED WALL MOUNT, BARRIER FREE ACCESS HI-LOW - SEE DETAIL IN DRAWING SET FINISH: 304 STAINLESS STEEL SATIN FINISH	ELKAY #EDFPBM114C (2 TYPICAL - HI/LOW)
MB-1	WORK AREA	MOLDED STONE INTEGRAL DRAIN MOP SERVICE BASIN INTEGRAL DRAIN, STAINLESS STEEL STRAINER INCLUDING: 832AA HOSE & HOSE BRACKET, 839CC MOP HANGER, 833AA SILICONE SEALANT, E77AA24 VINYL BUMPER GUARD, MSG2424 STAILESS STEEL WALL GUARD	FIAT PRODUCTS #MSBID2424
FAU-4	WORK AREA	WALL MOUNTED SERVICE FAUCET CHROME PLATED WITH VACUUM BREAKER, INTEGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THRED ON SPOUT	FIAT PRODUCTS #830AA
WD-1	RECEPTION	QUENCH Q7 FREESTANDING SERIES WATER REFILL STATION 49.8"H X 11.6"W X 16.5"D	QUENCH Q7 FREESTANDING #Q7FS RO QW PLUS
WD-2	LUXE LOUNGE	QUENCH Q7 COUNTERTOP SERIES WATER REFILL STATION 17.9"H X 11.6"W X 17.5"D	QUENCH Q7 COUNTERTOP #Q7CT RO QW PLUS

STATE OF MISSOURI
BRADLEY COLLINS PETERSON
NUMBER A-6865
REGISTERED ARCHITECT
SEAL
02.25.21
CERTIFICATE OF AUTHORITY
MISSOURI LIC. #2014008379
BRADLEY COLLINS PETERSON
MISSOURI LIC. #006865

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ISSUES / REVISIONS :

NO.	DATE	REMARKS

TENANT BUILD OUT

MassageLuXe - Summit at West Pryor
940 NW Pryor Road
Lee's Summit, MO 64081

GENERAL NOTES & PLUMBING SCHEDULE

PROJECT NUMBER
20022

PROJECT PHASE
CONTRACT DOCUMENTS

DRAWN BY:
BCP

CHECKED BY:
BCP

DATE:
02.25.2021

SHEET NO.
A7.1
14 OF 14

LOCATE CU FOR AHU PER LL REQUIREMENTS

VERIFY SPACE AND REVISE SIZES TO FIT IN FIELD

ALL EXH AND OA DUCT THRU DEMISING WALLS SHALL HAVE FIRE DAMPERS

SYMBOL LEGEND

- (T)A — THERMOSTAT "A" REPRESENTS UNIT NO.
- EQUIPMENT DESIGNATION "AD" SEE THIS SHEET FOR APPROPRIATE SCHEDULES
- SUPPLY AIR DEVICE - FOR ACTUAL SIZE SEE AIR DEVICE SCHEDULE SHEET THIS SHEET. SEE SCHEDULE FOR NECK AND DUCT RUNOUT SIZE.
- EXHAUST OR RETURN AIR DEVICE FOR ACTUAL SIZE SEE AIR DEVICE SCHEDULE SHEET THIS SHEET. SEE SCHEDULE FOR NECK AND DUCT RUNOUT SIZE.
- EXISTING DUCT
- ROUND DUCTWORK
- RECTANGULAR DUCT
- VOLUME DAMPER
- TYPICAL CONTROL WIRING BETWEEN THERMOSTAT AND RTU OR TERMINAL

HVAC GENERAL NOTES:

A. ALL WORK SHALL BE IN COMPLETE COMPLIANCE WITH LOCAL MECHANICAL CODE, N.E.C., NFPA, AND ALL LOCAL AND APPLICABLE JURISDICTIONAL AUTHORITIES.

B. REFER TO ARCHITECTURAL PLANS FOR EXACT WALL AND FLOOR AND CEILING ELEVATIONS, TYPES AND APPLICABLE BUILDING CONSTRAINTS.

C. COORDINATE WITH PLUMBING, & ELECTRICAL CONTRACTORS FOR ROUTING OF SYSTEMS CONCEALED IN CEILINGS, WALLS AND FLOORS, CHASES AND ATTIC. AVAILABLE ROOM ABOVE THE CEILING IS EXTREMELY TIGHT.

D. VERIFY CONCEALED SYSTEMS BEFORE INITIATING ANY WORK.

E. VISIT THE SITE PRIOR TO SUBMISSION OF BID TO VERIFY EXISTING CONDITIONS. ANY CONDITIONS NOT IN COMPLIANCE WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS, APPLICABLE CODES,ETC., SHALL BE NOTED AND INCLUDED IN THIS CONTRACTOR'S BID.

F. ALL DIMENSIONS ARE INSIDE AIR STREAM. TRANSITION TO MEET CEILING SPACE AS REQUIRED.

G. NOT ALL VD ARE SHOWN. REFER TO SCHEMATICS FOR SPIN IN DETAILS ON ALL VD.

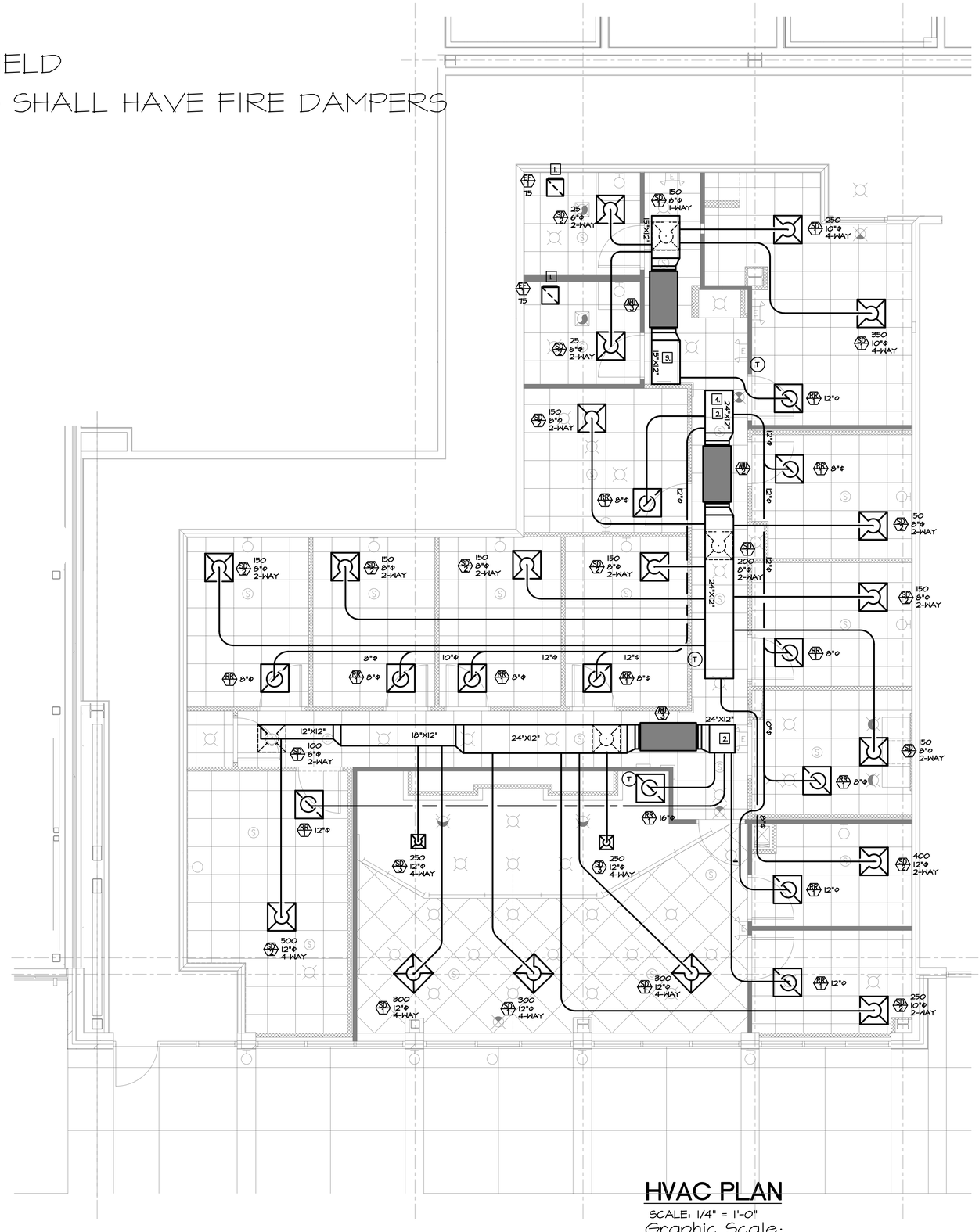
H. VERIFY ALL EQ. CONNECTIONS AND TRANSITION AS REQUIRED.

I. ALL DUCTWORK FABRICATED TO SMACNA STANDARDS.

EQ RECTANGULAR CS TO ROUND IS ACCEPTABLE

HVAC KEYED NOTES:

1. ROUTE 6"Φ EXHAUST FROM FAN TO LL PROVIDED DUCT IN CORRIDOR.
2. ROUTE 12"Φ OA FROM AHU TO LL PROVIDED DUCT IN CORRIDOR.
3. ROUTE 6"Φ OA FROM AHU TO LL PROVIDED DUCT IN CORRIDOR.
4. PROVIDE BYPASS ON SUPPLY TO RETURN SO WHEN ALL SD2 SHUTDOWN THIS OPENS (12"Φ)



HVAC PLAN

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

Graphic Scale: 0 4' 8'

STATE OF MISSOURI
JOHN CRANE ZEKIND
NUMBER E-19648
REGISTERED PROFESSIONAL ENGINEER

2-16-21

MASSAGE LUXE
SUMMIT AT WEST PRYOR

940 NW PRYOR ROAD
LEE'S SUMMIT, MO, 64081

John C. Zekind, PE
CONSULTING ENGINEERS
1276 WHITE ROAD
CHESTERFIELD, MO, 63017
314-878-2290

Project Number:

Issued For:
- ☐ Review
- ☐ Pricing
- ☐ Permit 2-16-21
- ☐ Bidding
- ☐ Construction

Sheet Number: M-1

EXHAUST FAN SCHEDULE

MARK	MFGR.	MODEL No.	CFM	S.P.	HP	RPM	SONES	LOCATION	ELECTRICAL	REMARKS
EF-1	GREENHECK		75	.25	130W		LESS THAN 12	CEILING	120V,1Φ	

ALL POWER AND CONTROL WIRING BY THE ELECTRICAL CONTRACTOR.

AIR DEVICE (DIFFUSERS, REGISTERS, GRILLES) SCHEDULE

MARK	MFGR.	MODEL No	CFM	NECK SIZE	PANEL SIZE	FRAME STYLE	FINISH	THROW • 100 FPM	AIR PATTERN	MTG.	△P	NC	ROUND DUCT CONNECT SIZE
SR-1	TITUS	DL	VARIES	VARIES	VARIES	VARIES	OFF-WHITE	--	VARIES	DUCT	--	--	N.A.
RR-1	TITUS	TXR	VARIES	VARIES	VARIES	VARIES	OFF-WHITE	--	VARIES	CLG	--	--	N.A.
SD-1	TITUS	TDCAA	VARIES	VARIES	VARIES	VARIES	OFF-WHITE	--	VARIES	CLG	--	--	N.A.

SD-2 IS ACUTHERM OR EQUAL HEATING COOLING CONTROL DIFFUSER
SD-3 IS IN SMALLEST DW FRAME MODULE FOR DUCT CONNECTION

ELECTRIC FURNACE SCHEDULE

MARK	MFGR.	MODEL NO.	WT.	COOLING CAPACITY			FAN				HEATING CAPACITY	ELEC	REMARKS
				SEN	LAT	TOTAL	CFM	ESP	HP	RPM			
AHU-1	5 TON	5 TON	200	48	12	60	2200	.6"	1/2	LOW	20 KW	208V, 1Φ	(1)(2)(3)(4) OA = 650
AHU-2	5 TON	5 TON	200	48	12	60	2200	.6"	1/2	LOW	20 KW	208V, 1Φ	(1)(2)(3)(4) OA = 650
AHU-3	2 TON	2 TON	200	20	4	24	800	.6"	1/2	LOW	20 KW	208V, 1Φ	(1)( )(3)(4) OA = 300

(1) PROVIDE 30% THROWAWAY FILTER (ON R.A.)

(2) WITH SMOKE DETECTOR IN RA, INDICATION VISIBLE FROM FLOOR.

(3) WITH "A" TYPE DX COIL
ALL POWER AND CONTROL WIRING BY THE ELECTRICAL CONTRACTOR.

(4) PROVIDE SINGLE POINT ELECTRICAL CONNECTION FOR AHU.

CONDENSING UNIT SCHEDULE (1)

MARK	MFGR.	MODEL NO.	WT.	COOLING CAPACITY		REFRIG. LINES		EER	ELEC	REMARKS
				BTU/HR	CONDITIONS	LIQUID	VAPOR			
CU-1	5 TON	5 TON	200	60,000	95 AMB(80/67 EAT)	5/8	1-3/8	16	208V, 1Φ,	(1)(2)
CU-2	5 TON	5 TON	200	60,000	95 AMB(80/67 EAT)	5/8	1-3/8	16	208V, 1Φ,	(1)(2)
CU-3	2 TON	2 TON	200	24,000	95 AMB(80/67 EAT)	5/8	1-3/8	16	208V, 1Φ,	(1)(2)

(1) EACH CU # IS SERVING CORRESPONDING AHU # ABOVE.

(2) WITH NITE SETBACK T-STAT WITH BATTERY BACKUP.

ALL POWER AND CONTROL WIRING BY THE ELECTRICAL CONTRACTOR.

LOCATION OF CU IS SHOWN -COORDINATE EXACT PLACEMENT OF CU WITH OWNER

STATE OF MISSOURI
JOHN CRANE ZEKIND
NUMBER E-19648
REGISTERED PROFESSIONAL ENGINEER
2-16-21

MASSAGE LUXE
SUMMIT AT WEST PRYOR

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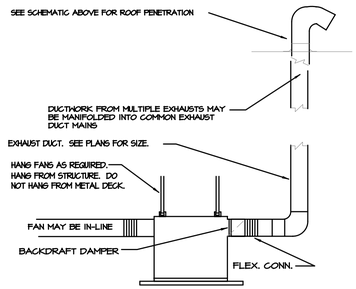
Project Number:
Issued For: ☐ Review ☐ Pricing ☐ Permit 2-16-21 ☐ Bidding ☐ Construction

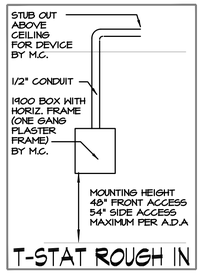
Sheet Number:
M-2

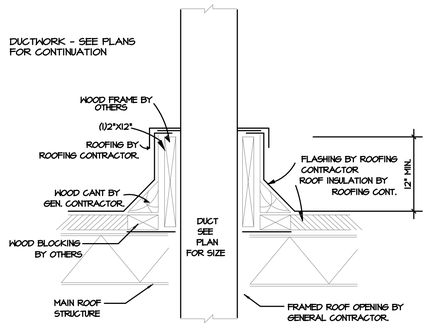
OUT THRU WALL TO WALL CAP SIM.



CEILING FAN SCHEMATIC

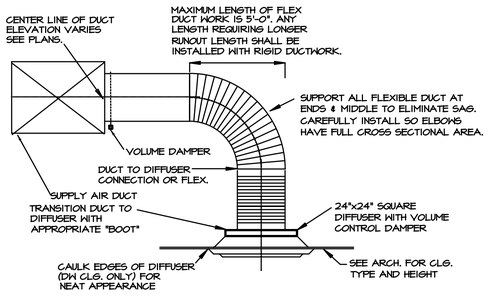
SCALE: NTS





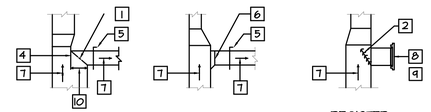
TYPICAL DUCT THROUGH ROOF SCHEMATIC

NOT TO SCALE



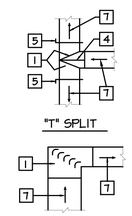
TYPICAL DIFFUSER SCHEMATIC

SCALE: NTS



KEYED NOTES:

1. TURNING VANES OR EXTRACTOR WITH LEADING & TRAILING EDGES PARALLEL TO SIDE OF DUCT.
2. ADJUSTABLE AIR EXTRACTOR.
3. BRANCH DUCTWORK AS SHOWN ON PLAN.
4. FIXED SPLITTER.
5. MANUAL VOLUME DAMPER.
6. 45° SHOE TAP OR STRAIGHT TAP WITH 2.
7. AIR FLOW.
8. AIR DEVICE.
9. SPIN COLLAR TAP WITH QUADRANT DAMPER, IF BRANCH DUCTWORK IS ROUND. SEE TYPICAL DIFFUSER DETAIL FOR ADDITIONAL INFORMATION.
10. THROAT SIZE - NOTED ON PLAN, OR CROSS SECTION AREA PROPORTIONED BY CFM FLOW RATIO.



TYPICAL DUCTWORK FITTING SCHEMATICS

NOT TO SCALE

STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
JOHN CRANE ZEKIND
NUMBER E-19648
2-16-21

MASSAGE LUXE
SUMMIT AT WEST PRYOR

940 NW PRYOR ROAD
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- ☐ Construction

Sheet Number:

M-3

HVAC SPECIFICATION

1 PART 1 - GENERAL

1.01 GENERAL

REFER TO "DIVISION NO. 1 GENERAL REQUIREMENTS", AS WELL AS GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS AND SPECIAL CONDITIONS OF THE CONSTRUCTION CONTRACT FOR PROVISIONS WHICH MAY APPLY TO THE WORK UNDER THIS SECTION.

1.02 PLANS AND SPECIFICATIONS

. PLANS AND SPECIFICATIONS ARE TO BE CONSIDERED AS MUTUALLY COMPLIMENTARY, AND REQUIREMENTS OF ONE SHALL BE CONSIDERED AS REQUIREMENTS OF BOTH. IF CONFLICTING REQUIREMENTS ARE SHOWN, THE MOST RESTRICTIVE REQUIREMENT SHALL APPLY AS ASCERTAINED BY THE ARCHITECT/ENGINEER. INFORMATION GIVEN HEREIN AND ON PLANS IS AS COMPLETE AND AS ACCURATE AS COULD BE SECURED AT THE TIME OF PREPARATION OF THIS DESIGN, BUT COMPLETE AND TIMELY ACCURACY CANNOT BE GUARANTEED. ROUTING OF DUCTWORK, PIPING CIRCUITS AND LOCATION OF EQUIPMENT, APPARATUS, FIXTURES AND OTHER DEVICES ARE SHOWN ON PLANS FOR GENERAL GUIDANCE. COORDINATE WORK WITH OTHER CONTRACTORS AND PROVIDE ANY NECESSARY DEVIATIONS IN ROUTING (AS FAR AS 10' FROM THOSE SHOWN) TO PROVIDE SYSTEMS AS SPECIFIED OR IMPLIED, WITHOUT INTERFERENCE, PURSUANT TO THESE REQUIREMENTS AND AT NO COST TO THE OWNER, ARCHITECT OR ENGINEER.

1.03 COORDINATION

CAREFULLY EXAMINE ALL CONTRACT DOCUMENTS AND INCLUDE IN THE COST OF THIS BID ALL WORK NORMALLY CLAIMED BY THE TRADES UNDER YOUR CONTRACT. COORDINATE WORK WITH THE WORK OF OTHER CONTRACTORS AND SHALL DETERMINE THAT THE WORK INSTALLED WILL NOT INTERFERE WITH THE WORK OF OTHER CONTRACTORS. IF WORK IS INSTALLED WHICH DOES INTERFERE, IT SHALL BE CORRECTED AT NO COST TO THE OWNER. OCCUPATION OF SPACE BY ANY CONTRACTOR DOES NOT GIVE HIM RIGHT OF PRIORITY TO THE SPACE. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH GOVERNING CODES, UTILITY STANDARDS, LOCAL PRACTICES AND MANUFACTURER'S PUBLISHED STANDARDS. IF ANY PORTION OF THE WORK SPECIFIED OR SHOWN ON THE DRAWINGS IS CONTRARY TO THE ABOVE, THE CONTRACTOR SHALL BE REQUIRED TO BRING THE MATTER TO THE ATTENTION OF THE ARCHITECT/ ENGINEER (OWNER'S REPRESENTATIVE) PRIOR TO ROUGH - IN FOR CLARIFICATION OR REVISION. IT IS ASSUMED THAT THE CONTRACTOR HAS A SPECIAL KNOWLEDGE OF LOCAL CODES, PRACTICES AND STANDARDS. BECAUSE OF HIS SPECIAL KNOWLEDGE, HE SHALL BE HELD RESPONSIBLE FOR REPLACEMENT OF IMPROPER INSTALLATIONS WHICH HAVE NOT BEEN CALLED TO THE ATTENTION OF ARCHITECT/ENGINEER.

1.04 PERMITS, LICENSES, INSPECTIONS AND TAXES

PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS HE OBTAINS IN CONJUNCTION WITH HIS WORK AND SHALL COMPLY WITH ALL LAWS, ORDINANCES, ETC. IF THE PLANS AND/OR SPECIFICATIONS ARE AT A VARIANCE THEREWITH, NOTIFY THE ENGINEER IN WRITING BEFORE THE WORK IS PERFORMED. IF THE CONTRACTOR, WITHOUT NOTICE, SHALL DO ANY WORK CONTRARY TO ANY LAW, ORDINANCE, RULE OR REGULATION, HE SHALL BE HELD RESPONSIBLE FOR ANY SUCH VIOLATION AND ALL COSTS ARISING THEREFROM SHALL BE BORNE BY HIM, INCLUDE ANY LOCAL, FEDERAL AND STATE TAXES IN YOUR BID.

1.05 BID AND SUBSTITUTES

A. ALL BIDS SHALL BE BASED STRICTLY ON THE BASIS OF THE DRAWINGS AND SPECIFICATIONS. ANY REQUESTS FOR SUBSTITUTIONS SHALL BE INCLUDED AS A VOLUNTARY ALTERNATE. A COMPLETE DESCRIPTION OUTLINING THE VOLUNTARY ALTERNATE SHALL BE INCLUDED WITH A LISTING OF A COST ADD OR COST DEDUCT TO THE BASE BID. OWNER SHALL GIVE FINAL APPROVAL ON ALL VOLUNTARY ALTERNATES.

B. MEET THE RESPONSIBILITY OF COORDINATION WITH OTHER TRADES, ANY CHANGES INCURRED IN ELECTRICAL, HVAC, FIRE PROTECTION, GENERAL CONTRACTS, ETC., WHICH RESULT FROM EQUIPMENT SUBSTITUTION. ANY ADDITIONAL COSTS INVOLVED, DUE TO SUBSTITUTIONS, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR PROPOSING THE SUBSTITUTION.

1.06 SHOP DRAWINGS

SUBMIT FOR REVIEW SIX (6) COPIES OF SHOP DRAWINGS AND DESCRIPTIVE LITERATURE OF EQUIPMENT TO BE FURNISHED UNDER THIS CONTRACT. DRAWINGS SHALL STATE CAPACITIES, SIZES AND ALL INFORMATION SHOWN IN SCHEDULES ON PLANS AS A MINIMUM OF ALL EQUIPMENT.

1.07 OPERATION AND MAINTENANCE MANUALS AND INSTRUCTIONS

PRIOR TO FINAL PAYMENT, THREE (3) SETS OF OPERATION AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE ARCHITECT/ENGINEER FOR SUBMITTAL TO THE OWNER.

1.07 RECORD DRAWINGS

AS BUILT REPRODUCIBLE DRAWINGS ARE TO BE SUBMITTED TO ARCHITECT/ ENGINEER FOR REVIEW, PRIOR TO THE TIME OF REQUEST FOR FINAL PAYMENT.

1.08 WORKMANSHIP AND MATERIALS

ALL WORK SHALL BE PERFORMED IN A MANNER ACCEPTABLE TO THE ENGINEER, ARCHITECT AND THE OWNER, BY PROPERLY TRAINED, SUPERVISED AND EXPERIENCED PERSONNEL USING NEW AND CLEAN MATERIALS, SUPPLIES EQUIPMENT, HARDWARE AND FIXTURES.

1.09 PROTECTION OF EQUIPMENT AND WORK

EQUIPMENT, FIXTURES AND TRIM SHALL BE PROTECTED AGAINST DAMAGE DUE TO BUILDING MATERIALS, ACID, TOOLS AND EQUIPMENT OR ANY CAUSES INCIDENTAL TO CONSTRUCTION. THE FINISHED SURFACE OF EACH PIECE OF EQUIPMENT AND FIXTURE SHALL BE COVERED WITH BUILDING PAPER OR SIMILAR PROTECTION. ALL EQUIPMENT DAMAGED BY ANY CAUSE AND ANY TRIM WITH MARRED OR SCRATCHED FINISH SHALL BE REPLACED AT NO COST TO THE OWNER. THE EQUIPMENT AND EQUIPMENT TRIM PROTECTION SHALL BE REMOVED AT THE COMPLETION OF CONSTRUCTION.

1.10 TEMPORARY FACILITIES

FURNISH, INSTALL AND KEEP IN PROPER REPAIR ALL TEMPORARY POWER, LIGHTING AND OTHER FACILITIES REQUIRED FOR HIS CONSTRUCTION PURPOSES. AFTER PERMANENT FACILITIES ARE INSTALLED, THIS CONTRACTOR SHALL REMOVE ALL TEMPORARY FACILITIES ASSOCIATED WITH HIS CONSTRUCTION WORK OR PURPOSE.

1.11 MATERIAL AND EQUIPMENT HANDLING AND STORAGE

IT IS RECOGNIZED THAT SPACE AT THE PROJECT FOR STORAGE OF MATERIALS AND PRODUCTS IS LIMITED. COORDINATE THE DELIVERIES OF THE MATERIALS AND PRODUCTS WITH THE SCHEDULING AND SEQUENCING OF THE WORK SO THAT STORAGE REQUIREMENTS AT THE PROJECT ARE MINIMIZED. IN GENERAL, DO NOT DELIVER INDIVIDUAL ITEMS OF EQUIPMENT TO THE PROJECT SUBSTANTIALLY AHEAD OF THE TIME OF INSTALLATION.

1.12 MAINTENANCE OF WORK AREAS

DURING THE PROJECT, MAINTAIN WORK AREA IN AN ORGANIZED MANNER, DO NOT ALLOW DEBRIS TO ACCUMULATE AND STORE EQUIPMENT, TOOLS AND SUPPLIES IN A MANNER WHICH SHALL NOT CAUSE INTERFERENCE WITH THE ACTIVITIES OF OTHERS ENGAGED ON THIS PROJECT.

1.13 GUARANTEE

THE CONTRACTOR SHALL, BY ACCEPTING THESE PLANS AND SPECIFICATIONS AND SIGNING THE CONTRACT, SHALL GUARANTEE THE FOLLOWING:

ALL EQUIPMENT, ACCESSORIES AND MATERIALS FURNISHED BY HIM FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP. IF ANY EQUIPMENT FAILS, DOES NOT OPERATE SATISFACTORILY OR SHOWS UNDUE WEAR, THE CONTRACTOR WILL BE NOTIFIED AND WILL BE REQUIRED TO REMEDY THE DEFECT IMMEDIATELY AT HIS OWN EXPENSE.

2 MATERIALS

2.01 FURNISH AND INSTALL GALVANIZED STEEL DUCTWORK AND SHEET METAL WORK AS SHOWN ON PLANS AND INDICATED HEREIN. UNLESS OTHERWISE SHOWN OR INDICATED, ALL DUCTWORK SHALL BE INSTALLED IN COMPLETE CONFORMANCE WITH SMACNA AS A MINIMUM (" 2" PRESSURE RANGE). ALL SUPPLY AND RETURN AIR DUCTWORK SHALL HAVE 1/2" LINER.
ALL MATERIALS USED SHALL MEET 25/50 FLAME/SMOKE RATINGS.

2.02 VOLUME DAMPERS

A. ON RIGID BRANCH TAKEOFFS TO ROUND FLEXIBLE DUCTWORK, PROVIDE BUTTERFLY TYPE VOLUME DAMPERS WITH INTEGRAL EXTRACTORS. SHAFTS SHALL BE MOUNTED PARALLEL TO THE GROUND, AND REGULATOR TO OPERATE DAMPER SHALL BE MOUNTED OUTSIDE DUCTWORK INSULATION TO BE COMPLETELY ACCESSIBLE.

B. IN RIGID ROUND DUCTWORK PROVIDE BUTTERFLY TYPE DAMPER WITH REGULATOR MOUNTED OUTSIDE DUCTWORK, AND SHAFT PARALLEL TO GROUND.

C. IN RECTANGULAR DUCTWORK PROVIDE OPPOSED BLADE VOLUME DAMPERS WITH REGULATOR MOUNTED OUTSIDE DUCTWORK INSULATION AND SHAFT PARALLEL TO GROUND.

2.03 FLEXIBLE CONNECTIONS SHALL BE VENTGLASS (OR EQUAL BY EXELON OR DURODYNE) HEAVY GLASS FABRIC, DOUBLE COATED OF NEOPRENE, OF APPROXIMATELY 30 OZ. PER SQUARE YARD, PROVIDED WITH 3" WIDE 24 GAUGE METAL MOUNTING STRIPS ATTACHED TO EACH EDGE AND SHALL BE SUITABLE FOR EACH PRESSURE CLASS OF DUCTWORK INVOLVED.

2.04 TURNING VANES: ALL CHANGES IN DIRECTION IN DUCTWORK GREATER THAN 45 DEGREES SHALL BE MADE WITH TURNING VANES. TURNING VANES SHALL BE FACTORY MANUFACTURED PRODUCTS - CONTRACTOR FABRICATED TURNING VANES SHALL NOT BE ALLOWED.

2.05 ROOFTOP UNITS AND SPLIT SYSTEMS:

THE UNITS ARE TO BE COMPLETE IN ALL RESPECTS WITH ALL STANDARD EQUIPMENT INCLUDING FILTERS, ELECTRIC HEATING COIL, INDOOR DX COIL, INDOOR FAN, REQUIRED SAFETIES, AND OTHER NECESSARY REFRIGERATION AND TEMPERATURE CONTROLS. UNITS SHALL BE SUPPLIED WITH FILTER TRACK AND FILTERS. ALL UNITS SHALL INCLUDE PRESSURE SWITCHES, LOSS OF CHARGE PROTECTION, COIL FREEZE PROTECTION, UNITS SHALL BE BY CARRIER, YORK OR TRANE OR APPROVED EQUAL

2.06 CONTROLS

GAS PIPING SHALL BE SCH 40 BLACK STEEL WITH" WROUGHT THREADED JOINTS. GAS PIPING SHALL BE PAINTED ON EXTERIOR WITH RUST RESISTANT PAINT.

2.07 CONTROLS

PROVIDE HEATING COOLING THERMOSTAT WITH 24 HOUR- 7 DAY PROGRAMMING AND BATTERY BACKUP INTEGRAL.

PART 3 - EXECUTION

3.01 DUCTWORK INSTALLATION

LOCATE DUCTWORK RUNS, EXCEPT AS OTHERWISE INDICATED, VERTICALLY AND HORIZONTALLY AND AVOID DIAGONAL RUNS WHEREVER POSSIBLE. LOCATE RUNS AS INDICATED BY DIAGRAMS, DETAILS AND NOTATIONS OR, IF NOT OTHERWISE INDICATED, RUN DUCTWORK IN THE SHORTEST ROUTE SERVICING THE BUILDING AND ITS EQUIPMENT. ROUTING OF DUCTWORK SHALL BE IN SUCH A MANNER TO CAUSE MINIMUM INTERFERENCE WITH CONSTRUCTION. ALL DUCTWORK SHALL BE SUBSTANTIALLY AND NEATLY SUPPORTED ON HEAVY IRON STRAP OR TRAPEZE HANGERS WITH BEAM CLAMPS RIVETED OR BOLTED TO DUCTS PROPERLY ANCHORED TO BUILDING CONSTRUCTION SO HORIZONTAL DUCTS ARE WITHOUT SAG OR SWAY, VERTICAL ARE WITHOUT BUCKLE AND ALL ARE FREE FROM THE POSSIBILITY OF DEFORMATION COLLAPSE OR VIBRATION. ALL DUCT AND FITTINGS SHALL BE SEALED WITH DUCT SEALER.

3.02 INSTALLATION ROOFTOP UNITS AND SPLIT SYSTEMS

INSTALL ROOFTOP UNITS AND SPLIT SYSTEMS WHERE SHOWN, IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S WRITTEN INSTRUCTIONS, AND RECOGNIZED INDUSTRY PRACTICES, TO INSURE THAT UNITS COMPLY WITH REQUIREMENTS AND SERVE INTENDED PURPOSES. COORDINATE WITH OTHER WORK, INCLUDING DUCTWORK, ROOF DECKING, PIPING AND ELECTRICAL WORK, AS NECESSARY.

3.03 TESTING AND BALANCING

ALL TESTING AND BALANCING SHALL BE PERFORMED IN ACCORDANCE WITH AABC STANDARDS. BALANCE ALL AIR DEVICES TO WITHIN 10% OF DESIGN RATED FLOW AND COMPILE ALL T & B DATA IN REPORT. PROVIDE 6 COPIES IN BINDER TO OWNER UPON COMPLETION.

END OF SECTION

LOAD CALCULATIONS

OUTSIDE AIR CALCULATIONS PER IMC

JOB: MASSAGE LUXE – LEE SUMMIT

AREA	SF	IMC CATEGORY	IMC PEOPLE DENSITY	R(P)	R(F)	PEOPLE PER IMC	CALC. OA CFM PER CODE	CALC. OA WITH E(Z) FACTOR_	OA USED FOR LOADS
RECPT	560	RECEPTTION	30	5	0.06	16.8	117.6	147	150
SALES									
MASSAGE	1710	SALON	25	20	0.12	42.75	1060.2	1325.25	1325
OFF/STOR	330	OFFICE	5	5	0.06	1.65	28.05	35.0625	33
CORR, ETC									
									1508

NOTE: OA CALCULATED BASED UPON E(Z) OF .8 FROM TABLE 403.3.1.2

E&17.5c66f ZONE DESIGN COOLING LOAD SUMMARY

```
Location    : ST LOUIS, MO                                  02-15-21
Prepared By : E20-II HVAC Design                            6100192002
Carrier Hourly Analysis Program                             Page 1 of 2
```

CALCULATION DATA:
Zone Name : MASSAGE LUXE LEE SUMMIT Calc Time: Aug 1300h
Job Name : BLOCK Amb db/wb: 94.8/ 76.5 F
Space Name: MASSAGE LUXE LEE SUMMIT

LOAD INFORMATION

LOAD COMPONENT	SENSIBLE (BTU/hr)	LATENT (BTU/hr)
SOLAR LOAD	15,810	0
GLASS TRANSMISSION	2,670	0
WALL TRANSMISSION	892	0
ROOF TRANSMISSION	0	0
PARTITION TRANSMISSION	0	0
LIGHTING (6,500 W TOTAL)	17,108	0
OTHER ELEC. (0 W TOTAL)	0	0
PEOPLE (20.00 PEOPLE TOTAL)	3,293	2,400
MISCELLANEOUS LOADS	0	0
COOLING INFILTRATION	1,668	2,140
PULLDOWN/WARM-UP	951	0
COOLING SAFETY LOAD	4,229	454
SUB-TOTALS	46,521	4,994
NET VENTILATION LOAD (1510 CFM)	32,290	41,425
SUPPLY FAN LOAD (BHP= 1.3)	3,193	0
WALL LOAD TO PLENUM	0	0
ROOF LOAD TO PLENUM	0	0
LIGHTING LOAD TO PLENUM	0	0
TOTAL COOLING LOADS	82,004	46,419

COIL SELECTION PARAMETERS:

COIL ENTERING AIR TEMP. (DB/WB)	=	87.5/ 72.0 deg F
COIL LEAVING AIR TEMP. (DB/WB)	=	55.8/ 55.2 deg F
COIL SENSIBLE LOAD	=	82,004 BTU/hr
COIL TOTAL LOAD	=	128,424 BTU/hr
COOLING SUPPLY AIR TEMPERATURE	=	57.0 deg F
TOTAL COOLING CFM (actual)	=	2,393 CFM
TOTAL COOLING CFM (std. air)	=	2,393 CFM
RESULTING ROOM REL. HUMIDITY	=	51.2 %
COIL BYPASS FACTOR	=	0.050
COIL APPARATUS DEWPOINT	=	54.1 deg F
REHEAT REQUIRED	=	0 BTU/hr

GENERAL INFORMATION

TOTAL COOLING LOAD	=	10.70 Tons
	=	242.95 sqft/Tons
TOTAL FLOOR AREA	=	2,600.00 sqft
OVERALL U-FACTOR	=	0.221 BTU/hr/sqft/F
COOLING CFM/sqft	=	0.92 CFM/sqft

```
          ZONE DESIGN COOLING LOAD SUMMARY
Location    : ST LOUIS, MO                                  02-15-21
Prepared By : E20-II HVAC Design                            6100192002
Carrier Hourly Analysis Program                             Page 2 of 2
```

CALCULATION DATA:
Zone Name : MASSAGE LUXE LEE SUMMIT Calc Time: Aug 1300h
Job Name : BLOCK Amb db/wb: 94.8/ 76.5 F
Space Name: MASSAGE LUXE LEE SUMMIT

WALL AND GLASS LOAD BREAKDOWN

LOAD COMPONENT		AREA (sqft)	TRANSMISSION (BTU/hr)	SOLAR LOAD (BTU/hr)
GLASS LOADS:	NE	0	0	0
	E	0	0	0
	SE	0	0	0
	S	324	2,670	15,810
	SW	0	0	0
	W	0	0	0
	NW	0	0	0
	N	0	0	0
	H	0	0	0
WALL LOADS:	NE	0	0	-
	E	40	97	-
	SE	0	0	-
	S	600	795	-
	SW	0	0	-
	W	0	0	-
	NW	0	0	-
	N	0	0	-

```
          ZONE DESIGN HEATING LOAD SUMMARY
Location    : ST LOUIS, MO                                  02-15-21
Prepared By : E20-II HVAC Design                            6100192002
Carrier Hourly Analysis Program                             Page 1 of 1
```

CALCULATION DATA:
Zone Name : MASSAGE LUXE LEE SUMMIT Calc Time: Winter design
Job Name : BLOCK Amb db : -2.0 F
Space Name: MASSAGE LUXE LEE SUMMIT

LOAD COMPONENT	LOAD (BTU/hr)
WALL TRANSMISSION	3,686
ROOF TRANSMISSION	0
GLASS TRANSMISSION	11,664
TRANSMISSION LOSS TO UNCOND. SPACES	0
INFILTRATION LOSS	6,065
SLAB FLOOR	5,882
HEATING SAFETY BTU/hr	2,730
SUB-TOTAL	30,027
NET VENTILATION LOSS	117,418
TOTAL HEATING LOAD	147,445

HEATING SUPPLY CFM	695 CFM
HEATING SUPPLY AIR TEMPERATURE	110.0 deg F
HEATING VENTILATION AIR CFM	1,510 CFM
HEATING THERMOSTAT SETPOINT TEMP	70.0 deg F

STATE OF MISSOURI
JOHN CRANE
ZEKIND
NUMBER E-19648
REGISTERED PROFESSIONAL ENGINEER
2-16-21

MASSAGE LUXE
SUMMIT AT WEST PRYOR

940 NW PRYOR ROAD
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Sheet Number:

M-4

VERIFY ALL LOCATIONS, HTS, AND LOADS PRIOR TO BID AND ADJUST AS REQUIRED

GENERAL NOTES: ELECTRICAL PLANS

A. ALL WORK SHALL BE IN COMPLETE CONFORMANCE WITH THE LATEST APPLICABLE EDITION OF THE NATIONAL ELECTRICAL CODE AND NFPA 101 LIFE SAFETY CODES AT MINIMUM, WHETHER EXPLICITLY SHOWN OTHERWISE OR NOT.

B. THESE PLANS ARE ACCOMPANIED BY SPECIFICATIONS.

C. ALL CONDUCTORS ARE COPPER AND ARE ROUTED IN CONDUIT.

D. PRODUCE A PLAN FOR SUBMISSION IN COORDINATION WITH THE SPRINKLER, HVAC AND PLUMBING CONTRACTORS TO COORDINATE ROUTING AND PLACEMENT OF DEVICES, ANGLARIES, FIXTURES, CONDUIT, ETC., SO THAT NO COORDINATION PROBLEMS OCCUR. THIS SHALL BE DONE PRIOR TO INITIATION OF ANY WORK.

E. REFER TO ARCHITECTURAL PLANS FOR CEILING HEIGHTS, WALL CONSTRUCTION AND LOCATIONS OF VISIBLE OBJECTS ON THE EXTERIOR OF THE BUILDING.

F. FOR ADDITIONAL INFORMATION AND FOR EXACT POINT OF CONNECTIONS OF ROUGH-IN POINTS TO EQUIPMENT, SEE BOTH THE EQUIPMENT CUT SHEETS AS WELL AS THE ARCHITECTURAL PLANS AND SPECIFICATIONS. VERIFY ALL ELEVATIONS AS WELL AS EXACT REQUIRED LOCATIONS OF ELECTRICAL CONNECTIONS AND CONN. EQUIP. PRIOR TO INITIATING ANY WORK, BECAUSE ALL ELEVATIONS ARE APPROX.

G. BE RESPONSIBLE NOT ONLY FOR THE ROUGH-IN POINTS REQUIRED AS SHOWN GENERALLY HEREIN, BUT ALSO FOR FINAL CONNECTION TO ALL EQUIPMENT AND THE FURNISHING AND INSTALLING OF MATERIALS AND LABOR FOR SUCH AS REQUIRED TO MAKE FULLY FUNCTIONAL.

H. PROVIDE CONNECTIONS TO ALL EQUIPMENT AS RECOMMENDED BY THE MANUFACTURER. IF EQUIPMENT COMES WITH A CORD AND PLUG, PROVIDE MATCHING RECEPTACLE IN REQUIRED JUNCTION BOX. EXACT LOCATIONS OF OUTLETS FOR ALL EQUIPMENT SHALL BE AS DIRECTED BY SUPPLIERS SHOP DRAWING.

I. PROVIDE PLUG AND CORD FOR ALL EQUIPMENT NOT SHIPPED WITH A PLUG AND CORD BUT REQUIRES CONNECTION TO A RECEPTACLE. PLUG AND CORD SHALL BE APPROPRIATE NEMA TYPE, UL LISTED AND SIZED TO HANDLE THE LOAD PER THE N.E.C.

J. ALL FLEXIBLE CONDUIT SHALL BE LIQUID TIGHT CONDUIT

K. ALL CONDUCTORS MAY NOT BE SHOWN IN CONDUIT TO PROMOTE CLARITY.

ELECTRICAL SYMBOLS:

- DUPLEX RECEPTACLE - MOUNT AT 9" AFF TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.
- DOUBLE DUPLEX RECEPTACLE ("QUADRAPLEX")
- SPECIAL PURPOSE RECEPTACLE
- TELEPHONE JACK - PROVIDE & INSTALL CONDUIT & J-BOX AS REQ'D. TO CEILING WITH PULL WIRE.
- SINGLE POLE, SINGLE LEVER SWITCH AT 40" AFF U.N.O.
- 2 X 3 JUNCTION BOX - MTD. AS SHOWN
- INDICATES DROP IN WALL FROM CEILING
- CONDUIT ABOVE CEILING OR IN WALLS
- FLEXIBLE CONDUIT BELOW FLOOR OR COUNTER
- CONDUCTORS (| IS NEUTRAL, | IS HOT, | IS GROUND)
- POS — 2 X 3 JUNCTION BOX - WITH PULL WIRE AND CONDUIT TO CEILING
- TV — 2 X 3 JUNCTION BOX - WITH PULL WIRE AND CONDUIT TO CEILING

FEEDER SCHEDULE

1 PHASE BRANCH CIRCUIT WIRE SIZE (2P CIRCUITS) (UNLESS NOTED OTHERWISE)

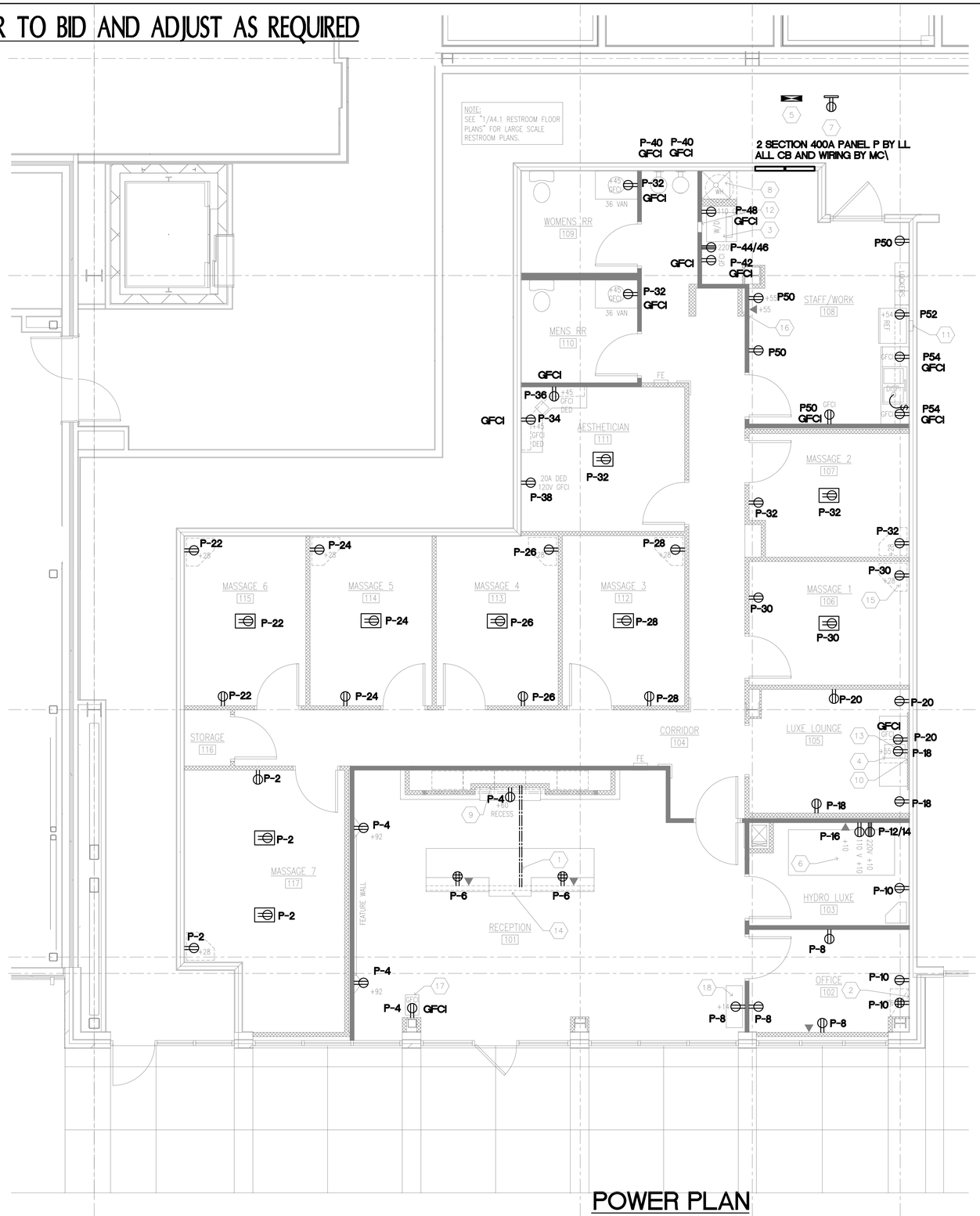
30 AMPERE BRANCH CIRCUIT FEEDERS SHALL BE 2#10, 1#10 GND IN 1/2"C.
40 AMPERE BRANCH CIRCUIT FEEDERS SHALL BE 2#8, 1#10 GND IN 3/4"C.
60 AMPERE BRANCH CIRCUIT FEEDERS SHALL BE 2#6, 1#8 GND IN 1"C.
100 AMPERE BRANCH CURCUIT FEEDERS SHALL BE 2#3, 1#6 GND IN 1.25" CONDUIT.
150 AMPERE BRANCH CIRCUIT FEEDERS SHALL BE 2-#1/0 WITH #2 GND IN 1.5" C.

3 PHASE BRANCH CIRCUIT WIRE SIZE: (UNLESS NOTED OTHERWISE)

200 AMPERE BRANCH CIRCUIT FEEDERS SHALL BE 4-#3/0 WITH #2 GND IN 2" C.
100 AMPERE BRANCH CURCUIT FEEDERS SHALL BE 4#3, 1#6 GND IN 1.25" CONDUIT.
75 AMPERE BRANCH CIRCUIT FEEDERS SHALL BE 4#4, 1#8 GND IN 1-1/4"C.
70 AMPERE BRANCH CIRCUIT FEEDERS SHALL BE 4#4, 1#8 GND IN 1-1/4"C.
60 AMPERE BRANCH CIRCUIT FEEDERS SHALL BE 4#6, 1#8 GND IN 1"C.
45 AMPERE BRANCH CIRCUIT FEEDERS SHALL BE 4#8, 1#10 GND IN 1"C.
40 AMPERE BRANCH CIRCUIT FEEDERS SHALL BE 4#8, 1#10 GND IN 1"C.
30 AMPERE BRANCH CIRCUIT FEEDERS SHALL BE 4#10, 1#10 GND IN 3/4"C.

HVAC AND PLUMBING CIRCUITS

P-1/3 100A/NF/2P DISC - AHU-1
P-5/7 60A/NF/WP/2P DISC - CU-1
P-9/11 100A/NF/2P DISC - AHU-2
P-13/15 60A/NF/WP/2P DISC - CU-2
P-17/19 60A/NF/2P DISC - AHU-3
P-21/23 60A/NF/WP/2P DISC - CU-3
P-25/27 60A/NF/WP/2P DISC - DWH-1



POWER PLAN

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

Graphic Scale: 0 4' 8'

POWER PLAN KEYED NOTES

THIS SHEET ONLY
(X) (SHOWN THUS TYPICAL)

1. INSTALL CONDUIT BELOW SLAB (2 TYP.) FOR ELECTRIC AND DATA SUPPLY TO BELOW DESK
(1) 3/4" DIA. DATA FROM DESK TO DMARC AT OFFICE.
(1) 3/4" DIA. 110V TO DESK
2. DATA/COMM. SHELF - SEE 1/A1.1.
3. STACKED WASHER/DRYER MODEL #DLE2516W & WM2140CW BY LG. VENT DRYER TO EXTERIOR AS REQUIRED BY CODE.
NOTE:
GFCI OUTLET AT WASHER/DRUER LOCATION SHALL BE ACCESSIBLE TO REACH AS REQUIRED TO MANUALLY RESET OUTLET.
4. QUENCH Q7 COUNTERTOP WATER DISPENSER. PROVIDE & INSTALL 1/4" WATER SUPPLY TO BELOW COUNTER. SEE CONSTRUCTION MANUAL.
5. LOCATION NEW ELECTRICAL PANEL - SEE ELECTRICAL DRAWINGS.
6. HYDRO LUXE BED.
7. DMARC PANEL - VERIFY LOCATION (SEE FLOOR PLAN).
8. WATER HEATER AT PLATFORM ABOVE MOP SINK. SECURE WATER HEATER TO PLATFORM AND WALL AS REQUIRED BY CODE. INSTALL GALV. MTL. PAN W/ 2" LIP & DRAIN AS REQUIRED BY CODE- SEE PLUMBING DRAWINGS.
9. LOCATION WALL MOUNTED TELEVISION SCREEN. INSTALL FLAT, NON-ARTICULATING TELEVISION MOUNTING SYSTEM. MODEL #DXTVM113 BY DYNEX. INSTALL BLOCKING AS REQUIRED. MOUNT 65" A.F.F. AT CENTER OF NICHE.
10. LOCATION WALL MOUNTED TELEVISION SCREEN. INSTALL FLAT, NON-ARTICULATING TELEVISION MOUNTING SYSTEM. MODEL #DXTVM113 BY DYNEX. INSTALL BLOCKING AS REQUIRED. MOUNT 60" A.F.F. AT CENTER "BUMP OUT".
11. RECESSED ICE MAKER BOX W/ WATER SUPPLY. PROVIDE & INSTALL AS REQUIRED BY CODE.
12. LOCATION RECESS MOUNTED WASHER BOX. PROVIDE & INSTALL WASHER BOX AS REQUIRED BY CODE.
13. CENTER OUTLET @ WALL ABOVE COUNTER (RECESSED).
14. RECEPTION DESK PROVIDED BY OTHERS - INSTALLED BY GENERAL CONTRACTOR.
15. LOCATION SHELVING UNIT @ EACH MASSAGE ROOM. SEE RESPONSIBILITY MATRIX. INSTALL OUTLET BEHIND SHELVING UNIT 1'-0" HORIZ. FROM NEAREST ROOM CORNER AND 28" ON CENTER A.F.F. (7 TYP.).
16. LOCATION WALL MOUNTED TELEVISION SCREEN. INSTALL FLAT, NON-ARTICULATING TELEVISION MOUNTING SYSTEM. MODEL #DXTVM113 BY DYNEX. INSTALL BLOCKING AS REQUIRED. MOUNT 60" A.F.F. COORDINATE LOCATION WITH TENANT.
17. QUENCH 7 FREE STANDING WATER DISPENSER. PROVIDE & INSTALL 1/4" WATER SUPPLY. SEE CONSTRUCTION MANUAL.
18. 36" WIDE PRODUCT SHELF.

GENERAL NOTES:

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS. NOTIFY ARCHITECT OF RECORD WITH ANY DISCREPANCIES.
2. ALL FIRE PROTECTION, MECHANICAL, ELECTRICAL & PLUMBING IMPROVEMENTS SHALL BE PERFORMED BY CONTRACTORS LICENSED AND CERTIFIED FOR EACH RESPECTIVE TRADE AS REQUIRED IN THE STATE OF MISSOURI, JACKSON COUNTY, THE CITY OF LEE'S SUMMIT AND WITH LOCAL AUTHORITIES HAVING JURISDICTION REGARDING THE PROJECT SITE.
3. NEW PARTITIONS SHOWN SHADED. SEE: PARTITION TYPES.
4. INSTALL FIRE RETARDANT BLOCKING AND SHEATHING AT WALLS AS REQUIRED BY MANUFACTURER SPECIFICATIONS FOR ALL WALL MOUNTED EQUIPMENT AND FURNISHINGS.
5. ALL EQUIPMENT TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR AND GENERAL CONTRACTOR'S REPRESENTATIVES PER ANY AND ALL APPLICABLE CODES.
6. SEE DWG. 1/A1.1 FOR ACTUAL DIMENSIONS.

STATE OF MISSOURI
JOHN CRANE ZEKIND
NUMBER E-19648
REGISTERED PROFESSIONAL ENGINEER
2-16-21

MASSAGE LUXE
SUMMIT AT WEST PRYOR

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LEE'S SUMMIT, MO, 64081

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Sheet Number: E-1

LIGHTING FIXTURE SCHEDULE

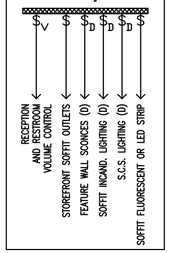
	FIXTURE DESCRIPTION	MANUFACTURER	MODEL OR SERIES	VOLTAGE	LAMP DATA QTY	LAMP DATA WATTAGE	MOUNTING	NOTES
A	6" OPEN DOWNLIGHT - LED	LITHONIA	LDN6-27/05-L06-MR-MVOLT-EZ1	MVOLT	1	8	RECESSED	
A1	4" OPEN DOWNLIGHT - LED	LITHONIA	LDN4-27/05-L06-MR-MVOLT-EZ1	MVOLT	1	9	RECESSED	
B	6" OPEN WALLWASH - LED	LITHONIA	LDN6-27/05-LW6-MR-MVOLT-EZ1	MVOLT	1	8	RECESSED	
C	WALL SCONCE - HYDRO LUXE AND MASSAGE ROOMS	ALLEN + ROTH	WS145BNK		1	60	SURFACE @ 72" A.F.F.	CENTER HORIZNTALLY ON WALL
D	WALL SCONCE - RESTROOMS	TRANS GLOBE LIGHTING	VANITY BAR - 20333 BK		3	100	SURFACE @ 86" A.F.F.	
E	2'X4' RECESSED FIXTURE - LED	LITHONIA	2ESL4-40L-MDR-EZ1-LP830	MVOLT	1	38	RECESSED	
F	3' GENERAL PURPOSE STRIP FIXTURE - LED	LITHONIA	CLX L36 3000LM SEF FDL 6Z10 30K 80CRI WH	MVOLT	1	21	SURFACE	
G	4' GENERAL PURPOSE STRIP FIXTURE - LED	LITHONIA	CLX L48 3000LM SEF FDL 6Z10 30K 80CRI WH	MVOLT	1	21	SURFACE	
X1	EMERGENCY BATTERY UNIT - LED HEADS	LITHONIA	ELM2 LED	120/277	2	2	SURFACE	WITH BATTERY BACK UP
X2	THERMOPLASTIC EXIT SIGNS WITH HEADS	LITHONIA	LHQM LED R	120/277	2	5	SURFACE	WITH BATTERY BACK UP

NOTES:
1. PROVIDE BATTERY BACKUP POWER FOR FIXTURES NOTED AS "EMERGENCY".
2. MOUNTING OF FIXTURES IS MEASURED FROM BOTTOM OF FIXTURE TO FINISHED FLOOR.

SPEAKER SYSTEM NOTES:
1. SPEAKER WIRE TYPE: 18G 2/C TYPE CMP-CL2P.
2. SPEAKERS TO BE "DAISYCHAINED"

SWITCH BANK

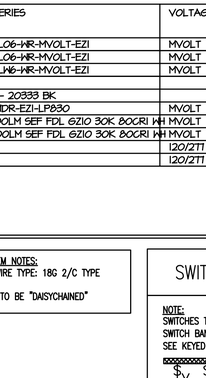
NOTE:
SWITCHES TO BE LOCATED IN SWITCH BANK AT OFFICE #102. SEE KEYED NOTE #5.



FIRE ALARM SYSTEM NOTE:
ANY MODIFICATIONS TO THE EXISTING FIRE ALARM SYSTEM SHALL BE SUBMITTED ON SEPARATE SETS OF SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION (IF SYSTEM EXISTS).

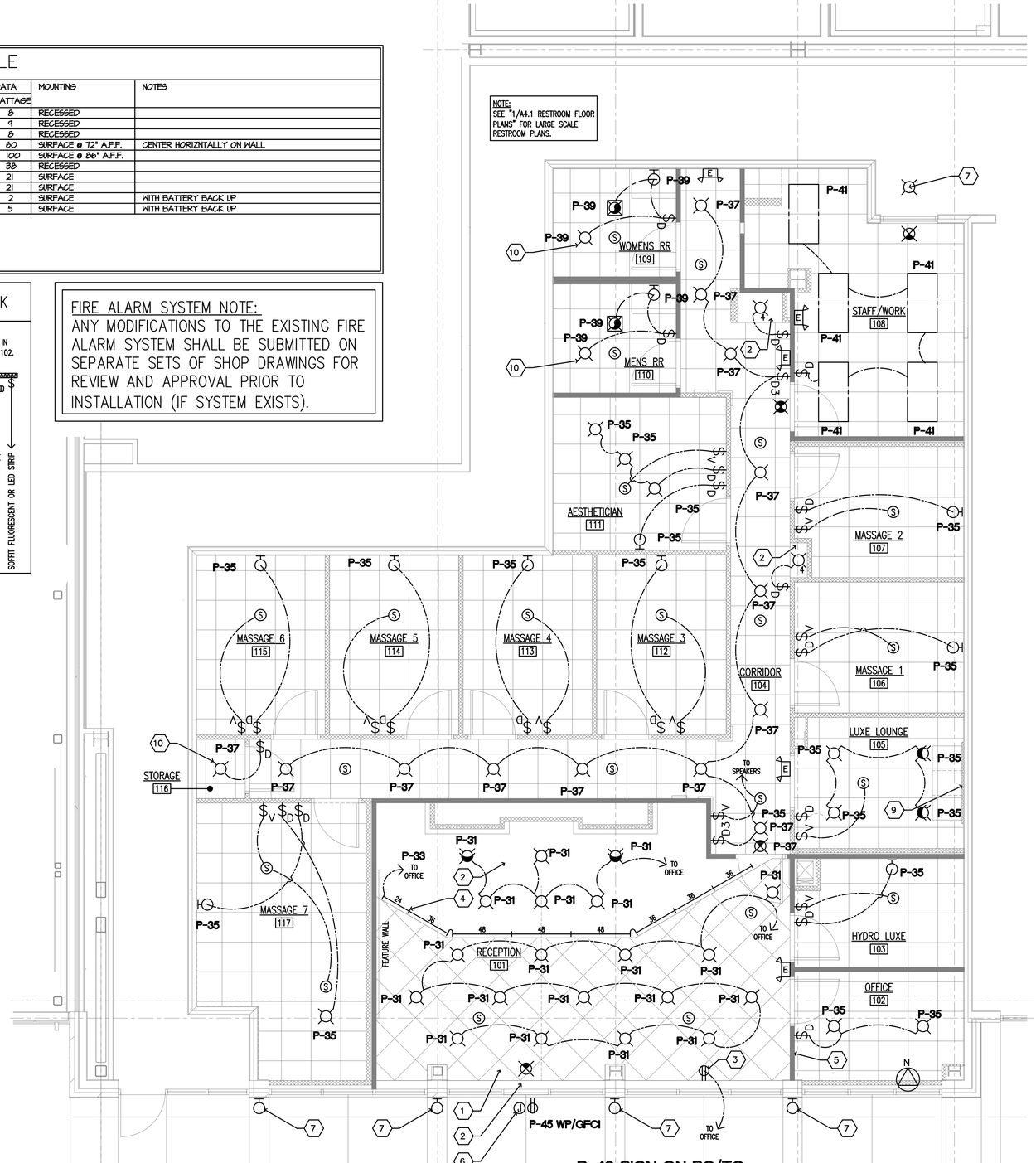
SYMBOLS LEGEND REFLECTED CEILING PLAN

- WALL SCONCE
- INCANDESCENT DOWNLIGHT 6" DIA. – EMERGENCY
- INCANDESCENT DOWNLIGHT # INDICATES DIA. IN INCHES 4" DIA. AT NICHE LOCATIONS 6" DIA. THROUGHOUT U.N.O.
- INCANDESCENT WALL WASHER # INDICATES DIA. IN INCHES 4" DIA. AT NICHE LOCATIONS 6" DIA. THROUGHOUT U.N.O.
- SURFACE MOUNTED PENDANTS
- RECESSED FLOURESCENT 2x4 LIGHT FIXTURE
- RECESSED FLOURESCENT 2x4 LIGHT FIXTURE – EMERGENCY
- (S) SPEAKER (RECESSED CEILING TYPE – NO SURFACE MOUNT ALLOWED)
- EXIT SIGN (DIRECTIONAL)
- (E) COMBINATION EXIT LIGHTING AND EXIT SIGN (DIRECTIONAL)
- (E) COMBINATION EXIT LIGHTING AND EXIT SIGN (DIRECTIONAL)
- E EXTERIOR EMERGENCY EGRESS LIGHTING
- $ SINGLE POLE SWITCH
- $D SINGLE POLE DIMMER SWITCH
- $3 THREE WAY SWITCH
- $# SINGLE POLE SWITCH – # INDICATES LOCATION A.F.F.
- $V VOLUME CONTROL
- EXHAUST FAN
- 2'x2' SUPPLY AIR DIFFUSER T/O 1'x1' SUPPLY AIR DIFFUSER @ RECEPTION SOFFIT
- 2'x2' AIR DIFFUSER RETURN



2 FEATURE WALL PLAN
SCALE: 1/4" = 1'-0"

NOTE:
SEE "1/A4.1 RESTROOM FLOOR PLANS" FOR LARGE SCALE RESTROOM PLANS.



P-43 SIGN ON PC/TC
P-47 EXTERIOR LIGHTS ON TC/PC
P-49 EM/EXIT ON LOCK ON CB

LIGHTING PLAN

SCALE: 1/4" = 1'-0"
Graphic Scale: 0 4' 8'

VERIFY WITH OWNER\LANDLORD AND ADJUST ALL LOCATIONS AND INCLUDE IN BASE BID

REFLECTED CELING PLAN KEYED NOTES

THIS SHEET ONLY
(X) (SHOWN THUS TYPICAL)

1. SUSPENDED CEILING SYSTEM TURNED 45 DEGREES – SEE DETAILS AND ROOM FINISH SCHEDULE.
2. SOFFIT W/ GYP. BD. FINISH – SEE: DETAILS.
3. INSTALL DUPLEX OUTLET @ SOFFIT ABOVE AS REQUIRED FOR INTERIOR SIGNAGE DISPLAY (1 TYP.). CENTER OUTLET AT CENTER OF WINDOW PANEL BELOW. INSTALL SWITCH AT SWITCH BANK TO CONTROL OUTLETS.
4. LED LIGHTING @ SOFFIT – SEE LIGHTING SCHEDULE & ELECTRICAL DRAWINGS. # INDICATES LENGTH OF BULB IN INCHES (FIELD VERIFY).
5. SWITCH BANK LOCATION.
6. INSTALL NEW OUTLET & JUNCTION BOX AS REQUIRED FOR ELECTRICAL SUPPLY AND TIMER FOR EXTERIOR SIGN INSTALLATION – COORDINATE W/ SIGN VENDOR, LANDLORD & TENANT (VERIFY LOCATIONS).
7. EXIST. EXTERIOR EGRESS LIGHTING (TYPICAL).
8. NOT USED.
9. THE SUSPENDED CEILING SYSTEM SHALL BE INSTALLED TO CONFORM TO THE SHAPE OF THE ACCENT WALL "BUMP OUT". DO NOT INSTALL THE SUSPENDED CEILING SYSTEM ABOVE OR "THROUGH" THE ACCENT WALL "BUMP OUT".
10. LIGHT & SWITCH THIS ROOM SHALL HAVE SENSOR/TIMER OVERIDE TO SHUT OFF LIGHT WHEN NOT IN USE. SET TIMER TO 10 MINUTES MAXIMUM.

NOTE:
SEE 1/A1.3 POWER PLAN FOR FEATURE WALL SCONCE LIGHT LOCATIONS.

GENERAL NOTES:

1. CONTRACTOR TO VERIFY EXISTING CONDITIONS. NOTIFY THE DESIGNER IN RESPONSIBLE CHARGE WITH ANY DISCREPANCIES.
2. ALL FIRE PROTECTION, MECHANICAL, ELECTRICAL & PLUMBING IMPROVEMENTS SHALL BE PERFORMED BY CONTRACTORS LICENSED AND CERTIFIED FOR EACH RESPECTIVE TRADE AS REQUIRED IN THE STATE OF MISSOURI, JACKSON COUNTY, THE CITY OF LEE'S SUMMIT AND WITH LOCAL AUTHORITIES HAVING JURISDICTION REGARDING THE PROJECT SITE.
3. PROVIDE & INSTALL LIGHTING & MECHANICAL AIR DEVICES AS REQUIRED FOR PROPER APPEARANCE & SYSTEM PERFORMANCE – SEE: SPECIFICATIONS.
4. NEW EMERGENCY EXIT SIGNAGE AND LIGHTING SYSTEM WITH 90 MINUTE BATTERY BACK-UP TO BE WIRED AND INTERCONNECTED ACCORDING TO ANY AND ALL APPLICABLE BUILDING CODES. COORDINATE INSTALLATION WITH LANDLORD AND OWNER. SEE ELECTRICAL DRAWINGS FOR FIXTURE LOCATIONS.
5. NEW OR EXISTING EMERGENCY EGRESS LIGHTING SYSTEM WITH 90 MINUTE BATTERY BACK-UP TO BE WIRED AND INTERCONNECTED ACCORDING TO ANY AND ALL APPLICABLE BUILDING CODES. COORDINATE INSTALLATION WITH LANDLORD AND OWNER. SEE ELECTRICAL DRAWINGS FOR FIXTURE LOCATIONS.
6. ALL EQUIPMENT TO BE PROVIDED AND INSTALLED BY OWNER AND OWNERS REPRESENTATIVE PER ANY AND ALL APPLICABLE CODES.
7. INSTALL FIRE SUPPRESSION/ SPRINKLER SYSTEM. CONTRACTOR TO TEST AND CONFIGURE SYSTEM AS REQUIRED FOR PROPER SYSTEM PERFORMANCE AND TO CONFORM TO ANY AND ALL APPLICABLE BUILDING CODES.
8. CONTRACTOR TO INSTALL COMPLETE HVAC SYSTEM – SEE MECHANICAL DRAWINGS.
9. CONTRACTOR/BUILDING OWNER TO PROVIDE/INSTALL EXIT ACCESS LIGHTING @ EXTERIOR EXIT LOCATIONS AS REQUIRED BY CODE.
10. ELECTRICAL CONTRACTOR TO VERIFY LIGHTING PLAN PROVIDES MIN. LIGHTING AS REQUIRED BY CODE – NOTIFY ARCHITECT WITH ANY DISCREPANSIES.
11. IF THE PLENUM SPACE BETWEEN THE SUSPENDED CEILING AND THE ROOF DECK IS USED AS A RETURN AIR PLENUM – THERE SHALL BE NO COMBUSTIBLE MATERIALS PRESENT IN THE PLENUM SPACE.
12. SUSPENDED ACOUSTICAL CEILING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF ASTM C 635 AND ASTM C 636.
13. INSTALL #TR-AP024 ACCESS PANEL AT GYPSUM BOARD CEILING IF ACCESS PANEL IS REQUIRED. INSTALL SIZE OF OPENING PER APPLICABLE BUILDING CODE.
14. SEE DWG. 1/A1.1 FOR ACTUAL DIMENSIONS.
15. SUSPENDED CEILING SYSTEM SHALL BE CENTERED IN THE CORRIDOR AS SHOWN.
16. SUSPENDED CEILING SYSTEM SHALL BE CENTERED IN EACH ROOM AS SHOWN.

STATE OF MISSOURI
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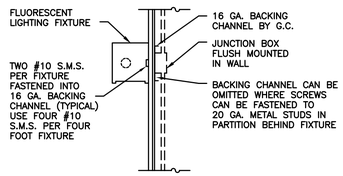
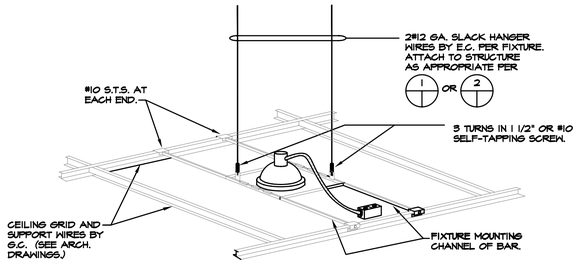


WALL MOUNTED FLUORESCENT FIXTURE DETAIL

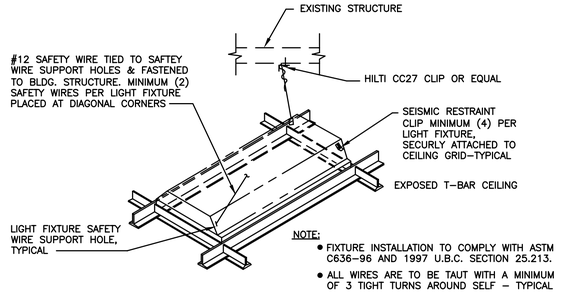
NO SCALE



INCANDESCENT FIXTURE

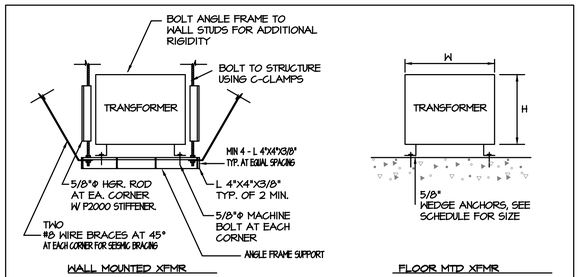
RECESSED FIXTURE MOUNTING DETAIL

NO SCALE



RECESSED LIGHTING FIXTURE SUPPORT DETAIL

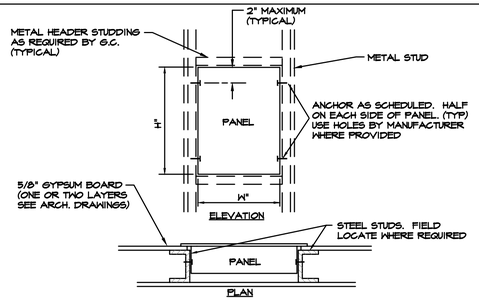
NOT TO SCALE



WALL MOUNTED XFMR — FLOOR MTD XFMR

TYPICAL ANCHORAGE AT TRANSFORMERS

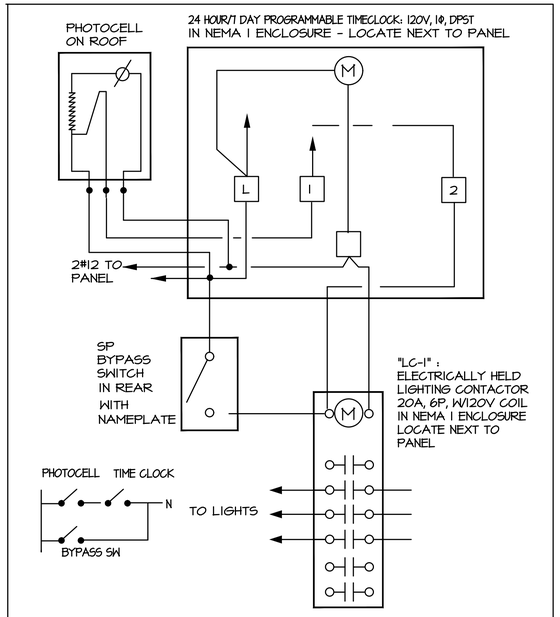
NO SCALE



PLAN

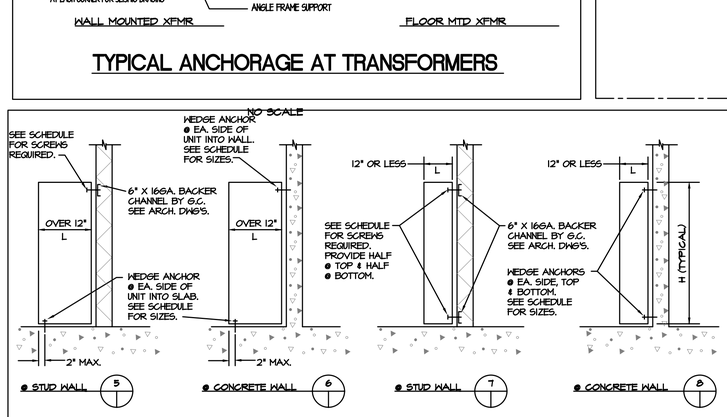
ANCHORING OF RECESSED PANELS

NO SCALE



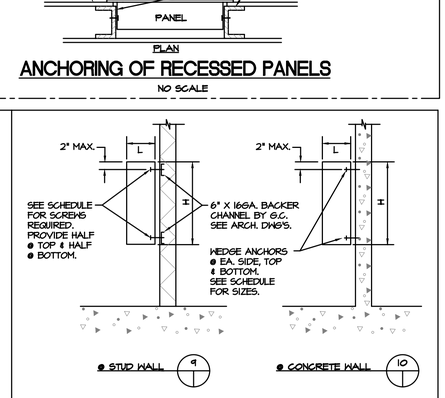
EXTERIOR LIGHTING CONTROL SCHEMATIC

NOT TO SCALE



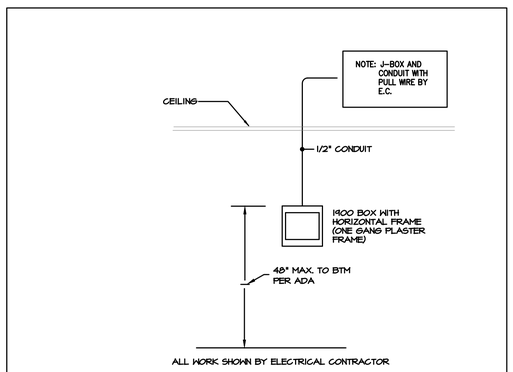
TYPICAL WALL/FLOOR SUPPORTED EQUIPMENT

NO SCALE

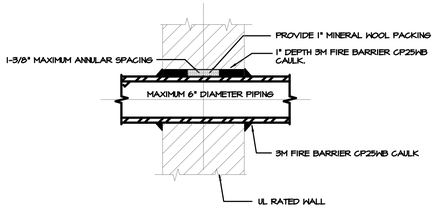


TYPICAL SURFACE MOUNTED WALL SUPPORTED EQUIPMENT

NO SCALE

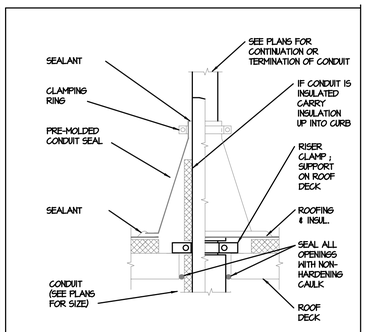


TYPICAL ADA THERMOSTAT



FIRE/SMOKE WALL CONDUIT PENETRATION

NOT TO SCALE



CONDUIT THRU ROOF

NO SCALE

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E-3

PANELBOARD SCHEDULE

PANEL "P" SECTION 1
120/208V, 3 PHASE, 4 WIRE
400 AMPERE BUSS
400 AMPERE MAIN
25KAIC

LOAD	LOAD (kVA)			CB		CKT		CKT	CB		LOAD (kVA)			LOAD
DESCRIPTION	LIGHTS	POWER	MECH.	A	P	NO.	PH	NO.	P	A	LIGHTS	POWER	MECH.	DESCRIPTION
AHU-1			10.5	70	2	1	A	2	1	20		0.8		RECEPTACLES
(VERIFY LOAD WITH MC)			10.5			3	B	4	1	20		0.8		RECEPTACLES
CU-1			4.0	30	2	5	C	6	1	20		1		RECEPTACLES
(VERIFY LOAD WITH MC)			4.0			7	A	8	1	20		0.4		RECEPTACLES
AHU-2			10.5	70	2	9	B	10	1	20		0.6		RECEPTACLES
(VERIFY LOAD WITH MC)			10.5			11	C	12	2	20		1.5		RECEPTACLE
CU-2			4.0	30	2	13	A	14				1.5		RECEPTACLES
(VERIFY LOAD WITH MC)			4.0			15	B	16	1	20		1.5		RECEPTACLES
AHU-3			5.0	40	2	17	C	18	1	20		0.6		RECEPTACLES
(VERIFY LOAD WITH MC)			5.0			19	A	20	1	20		0.6		RECEPTACLES
CU-3			2.0	20	2	21	B	22	1	20		0.6		RECEPTACLES
(VERIFY LOAD WITH MC)			2.0			23	C	24	1	20		0.6		RECEPTACLES
DWH-1		6.0		50	2	25	A	26	1	20		0.6		RECEPTACLES
(VERIFY LOAD WITH PC)		6.0				27	B	28	1	20		0.6		RECEPTACLES
SPARE				20	1	29	C	30	1	20		0.6		RECEPTACLES
LIGHTS	1.0			20	1	31	A	32	1	20		1.2		RECEPTACLES
LIGHTS	0.8			20	1	33	B	34	1	20		0.2		RECEPTACLES
LIGHTS	1.0			20	1	35	C	36	1	20		0.2		RECEPTACLES
LIGHTS	0.7			20	1	37	A	38	1	20		0.2		RECEPTACLES
LIGHTS/EF	0.6			20	1	39	B	40	1	20		0.8		RECEPTACLES
LIGHTS	0.5			20	1	41	C	42	1	20		0.8		RECEPTACLES
	4.6	12.0	72.0	TOTAL CONNECTED							0.0	15.7	0.0	

LOAD CALCULATIONS:								
LOAD	CONN.	DEMAND	DEMAND	DEMAND				
DESCRIPTION:	DEMAND	FACTOR:	LOAD:	AMPERE:			KVA	AMPS
LIGHTING:	4.6	1.00	4.6	12.296	A	CALCULATED DEMAND:	86.3	230.7
POWER <10kVA:	10.0	1.00	10.0	26.73	A	SPARE CAPACITY:	57.8	160.4
POWER <10kVA:	17.7	1.00	17.7	47.312	A	PERCENTAGE SPARE:	40%	
MECHANICAL EQUIPMENT	72.0	0.75	54.0	144.34	A	TOTAL PANEL CAPACITY:	144.1	400.0
CALCULATED DEMAND:	104.3		86.3	230.68	A	144 kVA x 1000	FEEDER/CIRCUIT CAPACITY:	
						216 VAC x 1.732 =	400	AMPERE RATING

PANELBOARD SCHEDULE

PANEL "P" SECTION 2
120/208V, 3 PHASE, 4 WIRE
400 AMPERE BUSS
400 AMPERE MAIN
25KAIC

LOAD	LOAD (kVA)			CB		CKT		CKT	CB		LOAD (kVA)			LOAD
DESCRIPTION	LIGHTS	POWER	MECH.	A	P	NO.	PH	NO.	P	A	LIGHTS	POWER	MECH.	DESCRIPTION
SIGN ON TC/PC	1.5			20	1	43	A	44	2	40		4.0		DRYER
EXTERIOR LIGHTS ON TC/PC	0.4			20	1	45	B	46				4.0		(VERIFY LOAD WITH MFGR)
EM/EXIT ON LOCK ON CB	0.5			20	1	47	C	48	1	20		1.5		WASHER
SPARE				20	1	49	A	50	1	20		0.8		RECEPTACLES
SPARE				20	1	51	B	52	1	20		0.8		REFERIGERATOR
SPARE				20	1	53	C	54	1	20		1		RECEPT/DISPOSER
SPARE				20	1	55	A	56	1	20				SPARE
SPARE				20	1	57	B	58	1	20				SPARE
SPARE				20	1	59	C	60	1	20				SPARE
SPARE				20	1	61	A	62	1	20				SPARE
SPARE				20	1	63	B	64	1	20				SPARE
SPARE				20	1	65	C	66	1	20				SPARE
SPARE				20	1	67	A	68	1	20				SPARE
SPARE				20	1	69	B	70	1	20				SPARE
SPARE				20	1	71	C	72	1	20				SPARE
SPARE				20	1	73	A	74	1	20				SPARE
SPARE				20	1	75	B	76	1	20				SPARE
SPARE				20	1	77	C	78	1	20				SPARE
SPARE				20	1	79	A	80	1	20				SPARE
SPARE				20	1	81	B	82	1	20				SPARE
SPARE				20	1	83	C	84	1	20				SPARE
	2.4	0.0	0.0	TOTAL CONNECTED							0.0	12.1	0.0	

LOAD CALCULATIONS:								
LOAD	CONN.	DEMAND	DEMAND	DEMAND				
DESCRIPTION:	DEMAND	FACTOR:	LOAD:	AMPERE:			KVA	AMPS
LIGHTING:	2.4	1.00	2.4	6.4152	A	CALCULATED DEMAND:	14.5	38.8
POWER <10kVA:	10.0	1.00	10.0	26.73	A	SPARE CAPACITY:	129.6	359.7
POWER <10kVA:	2.1	1.00	2.1	5.6133	A	PERCENTAGE SPARE:	90%	
MECHANICAL EQUIPMENT	0.0	1.00	0.0	0	A	TOTAL PANEL CAPACITY:	144.1	400.0
CALCULATED DEMAND:	14.5		14.5	38.758	A	144 kVA x 1000	FEEDER/CIRCUIT CAPACITY:	
						216 VAC x 1.732 =	400	AMPERE RATING

VERIFY ALL LOCATIONS, HTS, AND LOADS PRIOR TO BID AND ADJUST AS REQUIRED

STATE OF MISSOURI
JOHN CRANE ZEKIND
NUMBER E-19648
REGISTERED PROFESSIONAL ENGINEER
2-16-21

MASSAGE LUXE
SUMMIT AT WEST PRYOR

940 NW PRYOR ROAD
LEE'S SUMMIT, MO, 64081

John C. Zekind, PE
CONSULTING ENGINEERS
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CHESTERFIELD, MO, 63017
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Project Number:
Issued For:
- ☐ Review
- ☐ Pricing
- ☐ Permit 2-16-21
- ☐ Bidding
- ☐ Construction

Sheet Number:
E-4

ELECTRICAL SPECIFICATION

1. PART I - GENERAL

1.01 ROUTING OF CONDUCTORS AND CONDUIT, LOCATION OF EQUIPMENT, APPARATUS, FIXTURES AND OTHER DEVICES ARE SHOWN ON PLANS FOR GENERAL GUIDANCE. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OTHER CONTRACTORS AND SHALL PROVIDE NECESSARY DEVIATIONS IN ROUTING AND ITEM LOCATIONS, AS FAR AS 10' FROM THOSE SHOWN, AS NECESSARY TO PROVIDE OPERATING SYSTEMS AS SPECIFIED OR IMPLIED, WITHOUT INTERFERENCE AND PURSUANT TO THESE REQUIREMENTS AT NO ADDITIONAL COST.

1.02 PRIOR TO SUBMITTING HIS QUOTATION FOR WORK UNDER THIS PROJECT, THIS CONTRACTOR SHALL VISIT THE SITE TO EXAMINE ALL CONDITIONS RELATED TO WORK AND TO ACQUAINT HIMSELF WITH THESE CONDITIONS. THE SUBMISSION OF THE PROPOSAL SHALL BE CONSIDERED EVIDENCE THAT THE CONTRACTOR HAS VISITED THE SITE. NO EXTRA PAYMENTS WILL BE ALLOWED THIS CONTRACTOR ON ACCOUNT OF CLAIMS FOR EXTRA WORK MADE NECESSARY BY HIS FAILURE TO VISIT THE SITE.

1.03 ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, ALL LOCAL ORDINANCES AND LOCAL TRADE PRACTICES.

2. PART II - MATERIALS

2.01 CONDUIT

A. ALL CONDUITS SHALL BE HOT DIPPED OR ELECTRO-GALVANIZED STEEL UNLESS OTHERWISE NOTED. MINIMUM SIZE CONDUIT SHALL BE 1/2". MINIMUM SIZE CONDUIT UNDERGROUND OR IN CONCRETE OR MASONRY SHALL BE 3/4". ALL RIGID CONDUIT SHALL BE THREADED TYPE, FITTINGS SHALL BE THREADED TYPE; SET SCREW TYPE WILL NOT BE ACCEPTED.

B. STEEL CONDUIT - HEAVY WALL "HEAVY WALL" GALVANIZED RIGID METALLIC CONDUIT (G.R.M.C.) SHALL BE USED IN THE FLOOR SLAB FOR ALL FEEDERS AND FOR INSTALLATION IN CONCRETE OR IN WET LOCATIONS OR WHERE THE RACEWAY MAY BE EXPOSED TO WEATHER OR SUBJECT TO MECHANICAL INJURY. COUPLINGS SHALL BE SEALED WITH WATERPROOF SEALING COMPOUND.

C. RIGID STEEL CONDUIT (G.R.M.C.) - FULL WEIGHT STEEL PIPE OF STANDARD PIPE DIMENSIONS, THREADED. CONDUIT SHALL HAVE GALVANIZED COATING APPLIED TO BOTH INSIDE AND OUTSIDE SURFACES, INCLUDING THE THREADS. CONDUIT SHALL BE THREADED 3/4" BACK FROM END OF PIPE SO THAT NO THREAD WILL BE EXPOSED. HOT DIPPED GALVANIZED CONDUIT WRAPPED WITH PLYMOUTH PLYMOUTH 20 MAGIC PIPE WRAPPING TAPE SHALL BE USED FOR UNDERGROUND DIRECT BURIAL. HOT DIPPED GALVANIZED CONDUIT SHALL BE USED FOR UNDERGROUND CONCRETE ENCASED, OR WHERE EXPOSED TO WEATHER.

D. "THIN WALL" GALVANIZED ELECTRICAL METALLIC TUBING (E.M.T.) SHALL BE USED IN WALLS AND CEILINGS, ONLY APPROVED COMPRESSION TYPE COUPLINGS WILL BE PERMITTED. FLEXIBLE METALLIC CONDUIT MAY BE USED ON SHORT FINAL CONNECTIONS TO MOTORS AND LIGHTINGS FIXTURES .

E. ELECTRIC METALLIC TUBING (E.M.T.) - THREADLESS THIN WALL CONDUIT GALVANIZED OR ZINC METALLIZED, (INSIDE AND OUTSIDE) MAY BE USED FOR BRANCH CIRCUIT CONDUCTORS UP TO SIZE 1/0 MAXIMUM IN EXPOSED DRY LOCATIONS, HANG CEILINGS, HOLLOW BLOCK WALLS AND IN FURRED SPACES.

F. FLEXIBLE STEEL CONDUIT: USE 1/2" MINIMUM, EXCEPT WHERE NOTED OTHERWISE. FLEXIBLE CONDUIT SHALL BE USED FOR THE FOLLOWING APPLICATION ONLY:

   A. FOR FINAL CONNECTION TO MOTOR TERMINAL BOX, MAXIMUM LENGTH 18".
   B. FOR FINAL CONNECTION TO MORTAR OUTLETS ON VIBRATING EQUIPMENT.
   C. FROM OUTLET BOX TO RECESSED LIGHTING FIXTURE, MINIMUM 4', MAXIMUM 6' LENGTH.
   D. FOR SHORT CONNECTIONS AS APPROVED BY THE ENGINEER.
   E. FOR EXPANSION JOINT CROSSINGS.
   F. FOR WEATHERPROOF INSTALLATIONS WITH PLYVINYL SHEATINGS, SIMILAR TO AMERGIAN METAL HOSE "SEALTITE" TYPE "UA" OR EQUAL.

G. FLEXIBLE STEEL CONDUIT: SINGLE STRIP TYPE, MINIMUM SIZE 1/2", EXCEPT AS NOTED, GALVANIZED, MAXIMUM RESISTANCE OF ARMOR IS OHMS PER 1000 FEET. CONDUIT SHALL BE AS MANUFACTURED BY ANACONDA OR APPROVED EQUAL.

H. POLYVINYL CHLORIDE CONDUIT (PVC)

WHERE APPROVED BY LOCAL AND STATE CODE AUTHORITIES FOR THE UNDERGROUND INSTALLATIONPOLYVINYL CHLORIDE (PVC) CONDUIT SHALL BE SCHEDULE 40, 90 DEGREES C, LISTED ALL JOINTS SHALL BE SOLVENT WELDED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER.

I. GROUNDING

1. GROUND WIRES SHALL BE RUN IN EACH CONDUIT AND SIZED PER ARTICLE 250-95 OF THE NEC. GROUND WIRES SHALL BE TERMINATED TO THE METALLIC ENCLOSURES OF THE PANELS, DISCONNECTS, TROUGHS, MAIN SWITCHBOARD AND OUTLET BOXES.

2. ALL PROVISIONS OF ARTICLES 341, 250 AND 300-22 OF THE NEC SHALL BE STRICTLY ADHERED TO, ALL LOCAL AND STATE CODES SHALL APPLY.

2.02 CONDUCTORS:

TYPE - ALL WIRING SHALL BE "COPPER" AND COMPLY WITH THE LATEST SPECIFICATIONS OF THE NEC. WIRE AND CABLE SHALL BE NEW, SHALL HAVE SIZE, TYPE OF INSULATION, VOLTAGE RATING, AND MANUFACTURER'S NAME PERMANENTLY MARKED ON OUTER COVERING AT REGULAR INTERVALS. ALL WIRING SHALL BE IN CONDUIT, UNLESS OTHERWISE INDICATED.

UNLESS OTHERWISE CALLED FOR, THE INSULATION OF CABLES AND WIRES SHALL BE AS FOLLOWS: CONDUCTORS #10 OR SMALLER BE SOLID. CONDUCTORS #8 AND LARGER SHALL BE STRANDED.

APPLICATIONS	TYPES OF WIRES AND CABLES
FEEDERS TO PANELBOARDS.	TYPE THW-75 DEGREES C
BRANCH CIRCUITS FOR SIZES #6 AND LARGER.	TYPE THW-75 DEGREES C
BRANCH CIRCUITS FOR SIZES SMALLER THAN #6.	TYPE THWN/THHN 75 DEGREES C#10 DEGREES C
FEEDERS AND BRANCH CIRCUITS BELOW GRADE OR OUTSIDE BUILDING SMALLER THAN #6.	TYPE THW-75 DEGREES C
FIXTURE WIRING	TYPE THW-90 DEGREES C

COLOR CODING OF CONDUCTORS

A. ALL BRANCH CIRCUITS SHALL BE COLOR CODED IN ACCORDANCE WITH NEC AND SHALL BE:

120/208 VOLT		277/480 VOLT
BLACK	PHASE A	BROWN
RED	PHASE B	ORANGE
BLUE	PHASE C	YELLOW
WHITE	NEUTRAL	GRAY *

* MAY BE WHITE WITH TRACER.

B. GROUNDING CONDUCTOR (ALL SYSTEMS) - GREEN
C. SWITCHED LEG - PURPLE
D. DUMMY LEGS OF 3-WAY SWITCHING - PINK

2.02 TRANSFORMERS:

DRY TYPE TRANSFORMERS SHALL BE TWO WINDING, TOTALLY ENCLOSED, SELF COOLED, LOW AUDIBLE SOUND LEVEL OF THE SIZE AND ELECTRICAL CHARACTERISTICS AS SCHEDULED. TRANSFORMERS 25 K.V.A. AND UNDER SHALL HAVE A UL RATING LIMITING SYSTEM TEMPERATURE TO 80 DEGREES C, 30 KVA AND ABOVE SHALL HAVE UL RATING LIMITING TEMPERATURE TO 80 DEGREES C, BOTH WITH RESPECT TO A 40 DEGREES C AMBIENT. MAXIMUM ACCESSIBLE SOUND LEVEL FOR ALL K.V.A. RATING SHALL NOT EXCEED 46 DECIBELS.TRANSFORMERS SHALL HAVE A MINIMUM 10 PERCENT OVERLOAD CAPACITY AT RATED VOLTAGE. ENCLOSURE SHALL BE FURNISHED WITH LIFTING BRACKETS DESIGNED TO FACILITATE HANDLING AND INSTALLATION. VENTILATING OPENINGS SHALL BE DESIGNED IN A MANNER TO PREVENT ACCESS TO LIVE PARTS. USE FLEXIBLE CONDUIT, 2 DIA. 90 MINIMUM LENGTH, FOR CONNECTIONS TO TRANSFORMER CASE. MAKE CONDUIT CONNECTIONS TO SIDE PANEL OF ENCLOSURE. MOUNT TRANSFORMERS ON VIBRATION ISOLATING PADS SUITABLE FOR ISOLATING THE TRANSFORMER NOISE FROM THE BUILDING STRUCTURE. PROVIDE SEISMIC RESTRAINTS.

2.04 PANELS:

LIGHTING PANELBOARDS SHALL BE CIRCUIT BREAKER, DEAD-FRONT TYPE IN ACCORDANCE WITH UL STANDARDS FOR PANELBOARDS AND STANDARD FOR CABINETS AND BOXES AND SHALL BE SO LABELED.PROVIDE A MINIMUM OF ONE (1) 3/4" CONDUIT STUBBED OUT OF EACH RECESSED PANELBOARD TO ABOVE THE CEILING (DEPENDING ON AREA(S) SERVED BY PANEL) FOR EVERY THREE (3) SPARE OR SPACES. PANEL DIRECTORIES SHALL BE TYPED AND FILLED OUT BY ELECTRICAL CONTRACTOR AFTER TESTING PHASE BALANCING AND CHECKOUT. TWO AND THREE POLE BREAKERS SHALL BE FURNISHED WHERE CALLED FOR. HANDLE TIES WILL NOT BE ACCEPTED. PANELBOARD BUSSING SHALL BE ELECTRICAL GRADE COPPER. ALL BREAKERS SHALL BE BOLT-ON TYPE. TWO AND THREE POLE BREAKERS SHALL HAVE COMMON TRIP. BOXES SHALL BE COMMERCIAL HOT GALVANIZED SHEET STEEL, 14 GAUGE MINIMUM. IDENTIFY PANELS WITH ENGRAVED LAMICOID NAMEPLATES INDICATING THE PANEL IDENTIFICATION AND PANEL VOLTAGE.

2.04 BOXES:

OUTLET AND SWITCH BOXES:
FURNISH OUTLETS AND BOXES WHERE REQUIRED BY PLANS, EQUIPMENT REQUIREMENTS, OR CODE. RECORD ALL LOCATIONS AND MOUNTING HEIGHTS OF ALL OUTLET, PULL AND JUNCTION BOXES. ALL OUTLET AND SWITCH BOXES SHALL BE NEC APPROVED TYPE, SIZED TO PROVIDE AMPLE SPACE FOR WIRING DEVICES, CONDUCTORS, AND GROUNDING WIRES. WHERE SPACE IS AVAILABLE, ALL FEED THROUGH BOXES SHALL BE MINIMUM 4" SQUARE BY 1 1/2" DEEP. BOXES SHALL BE SET BACK TO ALLOW THE INSTALLATION OF A SQUARE CUT AND RAISED ADAPTER RING. DEPTH OF RAISED PORTION SHALL MATCH THE WALL CONSTRUCTION. WHEN MORE THAN ONE WIRING DEVICE (SWITCHES AND RECEPTACLES) IS SHOWN ON THE SAME LOCATION, GANG BOXES SHALL BE USED.WHERE ANY DEVICE IS INSTALLED WITH EXPOSED CONDUIT, THE OUTLET BOX SHALL BE TYPE "FS". PROVIDE A BLANK COVER FOR EACH OUTLET NOT TO BE PROVIDED WITH LIGHT FIXTURE OR OTHER DEVICE.

FLOOR BOXES
PLUGS AND TRIM SHALL BE BRASS. OUTLET BOX SHALL BE CAST IRON OR STAMPED STEEL. OUTLETS SHALL BE INSTALLED SO THAT THE TOP OPENING WILL BE FLUSH WITH FINISHED FLOOR. THE ELECTRICAL CONTRACTOR SHALL GROUT IN AROUND OUTLETS AS REQUIRED, SHALL BE INSTALLED IN ALL CARPETED AREAS AFTER CARPET IS IN PLACE.

PULL AND JUNCTION BOXES
PULL AND JUNCTION BOXES ARE NOT COMPLETELY SHOWN ON PLANS. THEY SHALL BE INSTALLED WHERE REQUIRED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE.ALL BOXES SHALL BE CONSTRUCTED OF MINIMUM NO. 14 GAUGE HOT-DIPPED GALVANIZED STEEL, CAST OR SHEET ALUMINUM WITH SCREWED OR HINGED COVER. FASTENERS SHALL BE BRASS OR ZINC COATED SCREWS. WHERE EXPOSED TO WEATHER, MOISTURE-TIGHT GASKET SHALL BE PROVIDED. ELECTRICAL BOXES WITH UN-USED KNOCKOUTS SHALL BE PLUGGED. ALL BOXES SHALL BE OF ADEQUATE SIZE WITHOUT THE USE OF EXTENSION BOXES.

2.5 DISCONNECT SWITCHES

DISCONNECT SWITCHES FOR SINGLE AND THREE PHASE LOADS OVER 1000 WATTS OR 1/2 HORSEPOWER SHALL BE HORSEPOWER RATED, HEAVY DUTY TYPE, QUICK-MAKE, QUICK-BREAK AS MANUFACTURED BY ITE, CHALLENGER, SQUARE D, GENERAL ELECTRIC, WESTINGHOUSE OR OWNER/ENGINEER APPROVED EQUAL. SWITCHES EXPOSED TO WEATHER SHALL BE NEMA 3R.

2.6 NAMEPLATES AND LABELS

NAMEPLATES

A. NAMEPLATES SHALL BE 4" X 1" X 1/8" THICK WHITE CORE, BLACK FACE, PLASTIC WITH ENGRAVED LETTERS. ATTACHMENT TO EQUIPMENT SHALL BE DONE BY MEANS OF SCREWS.

B. NAMEPLATES SHALL BE USED FOR ALL MAJOR EQUIPMENT SUCH AS SWITCHBOARDS, MOTOR PANELBOARDS, MOTOR CONTROL CENTERS, UNIT SUBSTATIONS, TRANSFORMERS, PANELBOARDS (LIGHTING, POWER AND AUXILIARY) ON EACH SWITCH AND STARTER IN EACH PANELBOARD AND MOTOR CONTROL CENTER, DISCONNECT SWITCHES, RELAYS, LOOSE MOUNTED MOTOR STARTERS, AND ON CONTROL PANELS SERVING FIRE ALARM, SECURITY AND PUBLIC ADDRESS SYSTEM AND MOTOR CIRCUITS.

LABELS

A. LABELS (STENCILS) SHALL BE BRADY OR WESTLINE AND SHALL BE COLOR CODED IN ACCORDANCE WITH ASA-Z54.1-53 "SAFETY COLOR CODE" TO INCLUDE SYSTEM VOLTAGES, ABBREVIATIONS OF SERVICE, ETC., FOR EXAMPLE: 480V, TELEPHONE, SECURITY, INTERCOM, EMERGENCY, 120/208V, ETC.

2.7 TIMECLOCKS

TIMECLOCKS SHALL BE 24 HOUR, 7 DAY WITH BATTERY BACKUP. EACH DAY SHALL HAVE MINIMUM OF 2 ON AND 2 OFF PERIODS. TIMECLOCK SHALL HAVE MANUAL OVERRIDE SWITCH. TIMECLOCK SHALL BE LOCATED IN NEMA ENCLOSURE. TIMECLOCK SHALL BE BY TORK, PARAGON OR EQUAL.

2.8 LOW VOLTAGE WIRING

ALL SPECIAL SYSTEM LOW VOLTAGE WIRING SHALL BE IN CONDUIT.

PART III EXECUTION

3.1 ALL WORK SHALL BE IN COMPLETE ACCORDANCE WITH THE N.E.C. AND ALL APPLICABLE CODES WHETHER EXPLICITLY SHOWN OR NOT. ALL PANELS SHALL HAVE TYPEWRITTEN DIRECTORIES, AND ALL CIRCUITS SHALL BE TAGGED. ALL SYSTEMS SHALL BE GUARANTEED FOR 1 YEAR AFTER OWNER'S WRITTEN ACCEPTANCE. PROPERLY GROUND ALL SYSTEMS AND BALANCE PHASES. IF REQUIRED INCREASE BRANCH CIRCUIT SIZES TO REDUCE VOLTAGE DROP. ALL WORK SHALL BE COORDINATED WITH THE LANDLORD'S CONTRACTOR TO ASSURE A FULLY FUNCTIONAL AND COMPLETE SYSTEM.

3.2 CONDUIT TYPES:

INDOOR, EXPOSED OR CONCEALED AREAS - USE EMT FOR SIZES UP TO 4", USE G.R.M.C. (GALVANIZED RIGID METAL CONDUIT) FOR 5" AND ABOVE UNLESS OTHERWISE NOTED AND G.R.M.C. WHERE EXPOSED TO PHYSICAL DAMAGE AND WHERE SUBJECT TO MOISTURE AND DETERIORATION. BURIED IN CONCRETE FLOOR SLAB SYSTEM - G.R.M.C. WITH RUST RESISTANT WRAP AND SHALL BE COVERED WITH A MINIMUM OF 2" CONCRETE ABOVE CONDUIT.INSTALLED BELOW CONCRETE SLAB (SERVICE ENTRANCE) - G.R.M.C. WRAP ENCASED IN CONCRETE ENVELOPE. CONCRETE ENVELOPE SHALL BE MINIMUM 3" AROUND CONDUIT. INSTALLED BELOW CONCRETE SLAB (FEEDERS OR BRANCH CIRCUITS) - G.R.M.C. STEEL WITH RUST RESISTANT WRAP NOT ENCASED
ALL UNDERGROUND G.R.M.C. STEEL CONDUIT NOT ENCASED IN CONCRETE SHALL BE WRAPPED WITH PIPE WRAPPING TAPE, SCOTCH-RAP #51 OR PLYMOUTH-BESKER "PLYWRAP-20" TAPE TO COVER CONDUIT AND FITTINGS.INSTALLED OUTSIDE OF BUILDING (ABOVE GRADE) - G.R.M.C. WHEN EXPOSED TO WEATHER. ALL EXPOSED THREADS SHALL BE FIELD PAINTED WITH RUSTPROOF PRIMER BY EACH CONTRACTOR.FLEXIBLE METAL RACEWAYS SHALL BE USED FOR CONNECTION TO ALL MOTORIZED EQUIPMENT, TRANSFORMERS AND EQUIPMENT SUBJECT TO VIBRATION, ADJUSTMENTS AND/OR MOVEMENT AND TO CONTROL EQUIPMENT REQUIRING PIPING CONNECTIONS. RACEWAYS SHALL BE AS MANUFACTURED BY ANACONDA OR APPROVED EQUAL.

3.3 CONDUIT INSTALLATION

A COMPLETE CONTINUOUS RACEWAY SHALL BE PROVIDED FOR PULLING AND INSTALLING OF WIRES. ALL WIRING SHALL BE RUN IN RACEWAYS UNLESS OTHERWISE INDICATED. ALL CONDUIT MUST BE REAMED AFTER CUTTING. CONDUITS SHALL BE CUT SQUARE, REAMED TO FULL SIZE, SHOULDERED WITHOUT BUTTING INTO COUPLINGS OR FITTINGS. THE THREAD SHALL BE OF STANDARD LENGTH AND DIAMETER REQUIRED FOR THE SIZE OF CONDUIT USE DNA DON APPROVED TYPE OF GRAPHITE BEARING THREAD LUBRICANT SHALL BE USED IN MAKING UP THREADS. WHERE CONDUITS ARE CUT IN THE FIELD, USE A STANDARD CUTTING DIE WITH 3/4" TAPER PER FOOT. RUNNING THREADS WILL NOT BE ACCEPTABLE. CONDUITS SHALL HAVE A SMOOTH INTERIOR SURFACE FREE OF OBSTRUCTIONS, SHALL BE CAPPED WITH APPROVED CONDUIT SEALS DURING

CONSTRUCTION PERIOD, SHALL BE UNIFORMLY SLOPED TO ELIMINATE TRAPPED CONDENSATION, AND SHALL BE THOROUGHLY CLEANED AND DRY BEFORE PULLING ANY WIRE. CONDUIT INSTALLATION SHALL CLEAR ALL HOT PIPES SUCH AS HOT WATER, ETC., NOT LESS THAN 6" ALL CONDUITS IN FINISHED AREAS SHALL BE CONCEALED, UNLESS OTHERWISE INDICATED ON THE PLANS. CONDUITS IN EQUIPMENT ROOM AND UNFINISHED STORAGE AREAS MAY BE EXPOSED. ALL EXPOSED CONDUIT SHALL BE INSTALLED PERPENDICULAR OR PARALLEL TO BUILDING LINES.BUSHINGS SHALL BE USED WHERE CONDUITS ENTER PANELBOARDS. ALL BUSHINGS SHALL BE OF INSULATED TYPE WITH PROVISIO FOR GROUNDING AS TYPE "BL" MADE BY O.Z. GEDNEY OR APPROVED EQUAL. CONCEALED CONDUITS INSTALLED ABOVE SUSPENDED CEILING SHALL BE RUN CLOSE TO THE UNDERSIDE OF CONSTRUCTION ABOVE, AND SHALL BE COORDINATED WITH THE OTHER SUBCONTRACTORS SO AS TO ALLOW ROOM FOR RUNNING DUCTS AND PIPING. PROVIDE FLEXIBLE CONDUIT CONNECTION AS REQUIRED BY NEC. FOR ALL RECESSED LIGHTING FIXTURES. FLEXIBLE CONDUIT CONNECTION SHALL

OPEN END OF CONDUITS SHALL BE CAPPED WITH CAP DURING ROUGHING-IN TO PREVENT THE ACCUMULATION OF DIRT AND MOISTURE CONDENSATION IN THE CONDUIT. SUPPORT FOR CONDUIT 1" AND SMALLER SHALL BE 1 OR 2 HOLE PIPE STRAPS SPACED AT NOT TO EXCEED 8'-0" INTERVALS AND WITHIN 18" OF AN OUTLET BOX, JUNCTION BOX, PULL BOX, OR TERMINAL CABINET. SUPPORT FOR CONDUIT LARGER THAN 1" SHALL BE 2 HOLE PIPE STRAPS. WHERE THE CONDUIT RUNS ARE GROUPED, CONDUIT TRAPEZES SUPPORTED ON 3/8" DIAMETER RODS MINIMUM SHALL BE USED. FASTENING DEVICES TO UNDERSIDE OF ROOF DECK SHALL NOT BE PERMITTED. ALL SUSPENDED AND/OR FASTENING DEVICES SHALL BE SUSPENDED FROM STRUCTURE ABOVE WITH ADEQUATE STRUCTURAL STEEL SUPPORT OR ANGLE IRON. PULL WIRES - A CONTINUOUS 12 AWG GALVANIZED IRON PULL WIRE OR 1/8" POLYPROPYLENE LINE EXTENDING FROM JUNCTION BOX TO JUNCTION BOX SHALL BE INSTALLED IN ALL EMPTY CONDUIT, AND SHALL BE TAGGED TO SHOW TERMINAL POINTS AND LENGTH OF RUNS. JOINTS IN G.R.M.C. CONDUIT INSTALLED IN CONCRETE OR MASONRY SHALL BE MADE LIQUID TIGHT AND SHALL ENGAGE NOT LESS THAN FIVE THREADS. CONDUIT IN CONCRETE SHALL BE PLACED SO THAT NO PORTION OF THE CONDUIT OR COUPLINGS ARE EXPOSED AND AT A SUFFICIENT DEPTH TO PREVENT CRACKING OR SPALLING. CONNECTIONS TO MIRING ENCLOSURES - CONDUITS SHALL BE SECURED TO OUTLET BOXES OR MIRING ENCLOSURES WITH DOUBLE LOCK NUTS AND BUSHINGS. WHERE CONDUIT BOXES WITH THREADED HUBS ARE USED, CONDUIT SHALL ENGAGE AT LEAST FIVE THREADS IN HUB.NO MORE THAN THE EQUIVALENT OF FOUR QUARTER BENDS (360 DEGREE TOTAL) SHALL BE MADE IN CONDUIT RUN BETWEEN OUTLETS, PULL BOXES, JUNCTION BOXES OR PANELS. RUNS OVER 100' SHALL HAVE PULL

3.4 CONDUCTORS:

ALL BRANCH CIRCUITS SHALL BE A MINIMUM #12 WIRE. 120 VOLT BRANCH CIRCUITS LONGER THAN 100 FEET SHALL BE A MINIMUM #10. 208 VOLT OR 277 VOLT BRANCH CIRCUITS LONGER THAN 200 FEET SHALL BE A MINIMUM #10. CONTROL WIRING SHALL BE A MINIMUM #14 WIRE UNLESS NOTED OTHERWISE. CODE APPROVED PRESSURE TYPE CONNECTORS SUCH AS "IDEAL WING-NUT" MAY BE USED FOR SIZES #10 AND SMALLER. TERMINALS, TAPS AND SPLICES IN WIRE #8 AND LARGER SHALL BE MADE WITH SOLDERLESS COMPRESSION TYPE CONNECTORS. ALL JOINTS OR SPLICES SHALL BE WRAPPED WITH INSULATION TAPE SO THAT THE INSULATION OF THE JOINT, ETC. SHALL NOT BE LESS THAN INSULATION OF THE WIRE.ALL BRANCH CIRCUITS SHALL BE COLOR CODED IN ACCORDANCE WITH NEC. NO CONDUCTORS OR CABLES SHALL BE INSTALLED IN RACEWAYS UNTIL THE RACEWAY SYSTEM HAS BEEN COMPLETED. WHEN INSTALLING CONDUCTORS, THE ELC SHALL EXERCISE DUE CARE TO PREVENT DAMAGE TO CONDUCTOR OR INSULATION. ALL FEEDER CABLES SHALL BE CONTINUOUS FROM ORIGINAL TO PANEL OR EQUIPMENT TERMINATION WITHOUT RUNNING SPLICES IN INTERMEDIATE PULL OR SPLICE BOXES. WHERE TAPS AND/OR SPLICES ARE NECESSARY AND APPROVED, THEY SHALL BE MADE IN APPROVED SPLICE BOXES WITH SUITABLE COMPRESSION TYPE CONNECTORS AS NOTED HEREINALL BRANCH CIRCUIT CABLE TERMINATIONS, TAPS AND SPLICES #8 AND SMALLER SHALL BE MADE WITH SOLDERLESS SPRING TYPE CONNECTORS SUCH AS "SCOTCHLOK" OR "MINIGRIP".COMPRESSION TYPE CONNECTORS ARE REQUIRED ON BRANCH CIRCUIT AND FEEDER CABLES #6 AND LARGER SHALL BE OF THE TYPE AS MANUFACTURED BY THE BURNDY COMPANY AND SHALL BE INSTALLED WITH APPROVED HYDRAULIC TOOLS TO ASSURE A PERMANENT MECHANICALLY SECURE HIGH CONDUCTIVITY JOINT. ALL UNINSULATED SPLICES, JOINTS AND FREE ENDS OF CONDUCTORS SHALL BE COVERED WITH RUBBER AND FRICTION TAPE OR HIGH-DIELECTRIC POLYVINYLCHLORIDE SCOTCH 33 ELECTRICAL TAPE. INSULATION VALUE TO BE SAME AS WIRE INSULATIONWHERE CONDUCTORS ARE CONNECTED TO METALLIC SURFACES, THE COATED SURFACES OF THE METAL SHALL BE CLEANED TO THE BARE METAL BEFORE INSTALLING THE CONNECTOR. LACQUER COATING OF ALL CONDUCTORS SHALL BE INSTALLED WHEN PANEL COVERS ARE REMOVED OR SWITCH DOORS ARE OPEN, THE CONDUCTOR SIZE SHALL BE EASILY READ.

3.5 INSTALLATION OF PANELS:

SET PANELS COMPLETELEY LEVEL AND PLUMB.BALANCE STEADY STATE LOAD CURRENTS AT EACH PANELBOARD FEEDER. SHOULD THE DIFFERENCE AT ANY PANELBOARD BETWEEN PHASES EXCEED 20 PERCENT, REARRANGE CIRCUITS IN THE PANELBOARD TO BALANCE THE PHASE LOADS WITHIN 20 PERCENT.

MECHANICAL INSPECTION. INSPECT FOR PHYSICAL DAMAGE, PROPER ALIGNMENT, ANCHORAGE, AND GROUNDING. CHECK PROPER INSTALLATION AND TIGHTNESS OF CONNECTIONS FOR CIRCUIT BREAKERS, FUSIBLE SWITCHES, AND FUSES.

3.5 INSTALLATION OF BOXES

INSTALL ELECTRICAL BOXES AS SHOWN ON DRAWINGS, AND AS REQUIRED FOR SPLICES, TAPS, WIRE FILLING, EQUIPMENT CONNECTIONS AND COMPLIANCE WITH REGULATORY REQUIREMENTS. INSTALL ELECTRICAL BOXES TO MAINTAIN HEADROOM AND TO PRESENT NEAT APPEARANCE.INSTALL PULL BOXES AND JUNCTION BOXES ABOVE ACCESSIBLE CEILINGS AND IN UNFINISHED AREAS ONLY. INACCESSIBLE CEILING AREAS. INSTALL OUTLET AND JUNCTION BOXES NO MORE THAN 6 INCHES (150 MM) FROM CEILING ACCESS PANEL OR FROM REMOVABLE RECESSED LUMINAIRE. INSTALL BOXES TO PRESERVE FIRE RESISTANCE RATING OF PARTITIONS AND OTHER ELEMENTS, USING MATERIALS AND METHODS UNDER THE OTHER PROVISIONS OF THIS SPECIFICATION. ALIGN ADJACENT WALL-MOUNTED OUTLET BOXES FOR SWITCHES, THERMOSTATS, AND SIMILAR DEVICES WITH EACH OTHER. USE FLUSH MOUNTING OUTLET BOXES IN FINISHED AREAS. SECURE FLUSH MOUNTING BOX TO INTERIOR WALL AND PARTITION STUDS. ACCURATELY POSITION TO ALLOW FOR SURFACE FINISH THICKNESS. USE STAMPED STEEL BRIDGES TO FASTEN FLUSH MOUNTING OUTLET BOX BETWEEN STUDS. INSTALL FLUSH MOUNTING BOX WITHOUT DAMAGING WALL INSULATION OR REDUCING ITS EFFECTIVENESS. USE ADJUSTABLE STEEL CHANNEL FASTENERS FOR HUNG CEILING OUTLET BOX. DO NOT FASTEN BOXES TO CEILING SUPPORT WIRES. SUPPORT BOXES INDEPENDENTLY OF CONDUIT. WHERE DRAWINGS SHOW BACK-TO-BACK WIRING DEVICES, THE DEVICES ON OPPOSITE SIDE OF THE WALL SHALL BE OFFSET A MINIMUM OF 24" SO THAT EACH DEVICE WILL BE INSTALLED IN SEPARATE BOXES TO AVOID SOUND TRANSMISSION BETWEEN ADJACENT ROOMS. THROUGH-THE-WALL BOXES SHALL NOT BE USED.

COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF OUTLETS MOUNTED ABOVE COUNTERS, BENCHES, AND BACKSPLASHES AND FOR KITCHEN EQUIPMENT.

VERIFY LOCATIONS OF OUTLETS AND SWITCHES IN FINISHED ROOMS WITH DRAWINGS OF INTERIOR DETAILS AND FINISH AND EQUIPMENT CUT SHEETS. IN CENTERING OUTLETS AND LOCATING BOXES, ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG PANELS AND THE LIKE AND CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.

3.6 INSTALLATION OF TRANSFORMERS

TRANSFORMERS SHALL BE FLOOR MOUNTED WITH CLEARANCES PER SECTION 450 OF NEC.

END OF SECTION

STATE OF MISSOURI
JOHN CRANE ZEKIND
NUMBER E-19648
REGISTERED PROFESSIONAL ENGINEER
2-16-21

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PLUMBING FIXTURE CONNECTION SCHEDULE

MARK	W	V	HW	CW	T	CARRIER	REMARKS
FD-1	3"	2"		-	-	-	
FS-1	3"	2"			3"	-	
HD-1	3"	2"			3"	-	
LAV-1	2"	2"	1/2"	1/2"	2"	BY MFGR.	
MB-1	3"	2"	1/2"	1/2"	3"	-	
SK-1,2	3"	2"	1/2"	1/2"	2"	-	
WMA-1	3"	2"	-	1/2"	-	-	
WC-1,2	4"	2"	-	1/2"	-	-	

PLUMBING KEYED NOTES:

1. CONNECT TO EXISTING 4" SANITARY, 2" V. AS REQUIRED FIELD VERIFY POINT OF CONN. AND I.E. PRIOR TO BID
2. CONNECT TO EXISTING 1"CW AND REQUIRED FIELD VERIFY POINT OF CONN. AND I.E. PRIOR TO BID

GENERAL NOTES:

A. ALL WORK SHALL BE IN COMPLETE COMPLIANCE WITH STATE PLUMBING CODES/AMENDMENTS, NFPA, ALL LOCAL & APPLICABLE JURISDICTIONAL AUTHORITIES.

B. REFER TO ARCHITECTURAL PLANS FOR EXACT WALL AND FLOOR ELEVATIONS, TYPES AND APPLICABLE BUILDING CONSTRAINTS.

C. COORDINATE WITH THE ELECTRICAL, THE FIXTURE AND THE HVAC CONTRACTORS FOR ROUTING OF SYSTEMS CONCEALED IN CEILINGS, WALLS, CHASES, ATTIC, AND FLOORS. AVAILABLE ROOM ABOVE THE CEILING IS TIGHT IN MANY CASES, DEVELOP A HIGHWAY PLAN WITH ALL OTHER SUB CONTRACTORS AND PROVIDE A SUBMISSION OF SUCH FOR REVIEW PRIOR TO INITIATING ANY WORK.

D. VERIFY INVERT ELEVATIONS BEFORE INITIATING ANY WORK.

E. VISIT THE SITE PRIOR TO SUBMISSION OF BID TO VERIFY EXISTING CONDITIONS. ANY CONDITIONS NOT IN COMPLIANCE WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS, OR APPLICABLE CODES, ETC.... SHALL BE NOTED AND INCLUDED IN THIS CONTRACTOR'S BID.

F. COORDINATE EXACT PIPE SIZES WITH AVAILABLE WALL FURRING DIMENSIONS PRIOR TO ROUGH-IN.

G. SANITARY SHALL HAVE A 1/4" PER FOOT SLOPE - VERIFY WITH CIVIL PLANS

H. THESE PLANS ARE ACCOMPANIED BY SPECIFICATIONS.

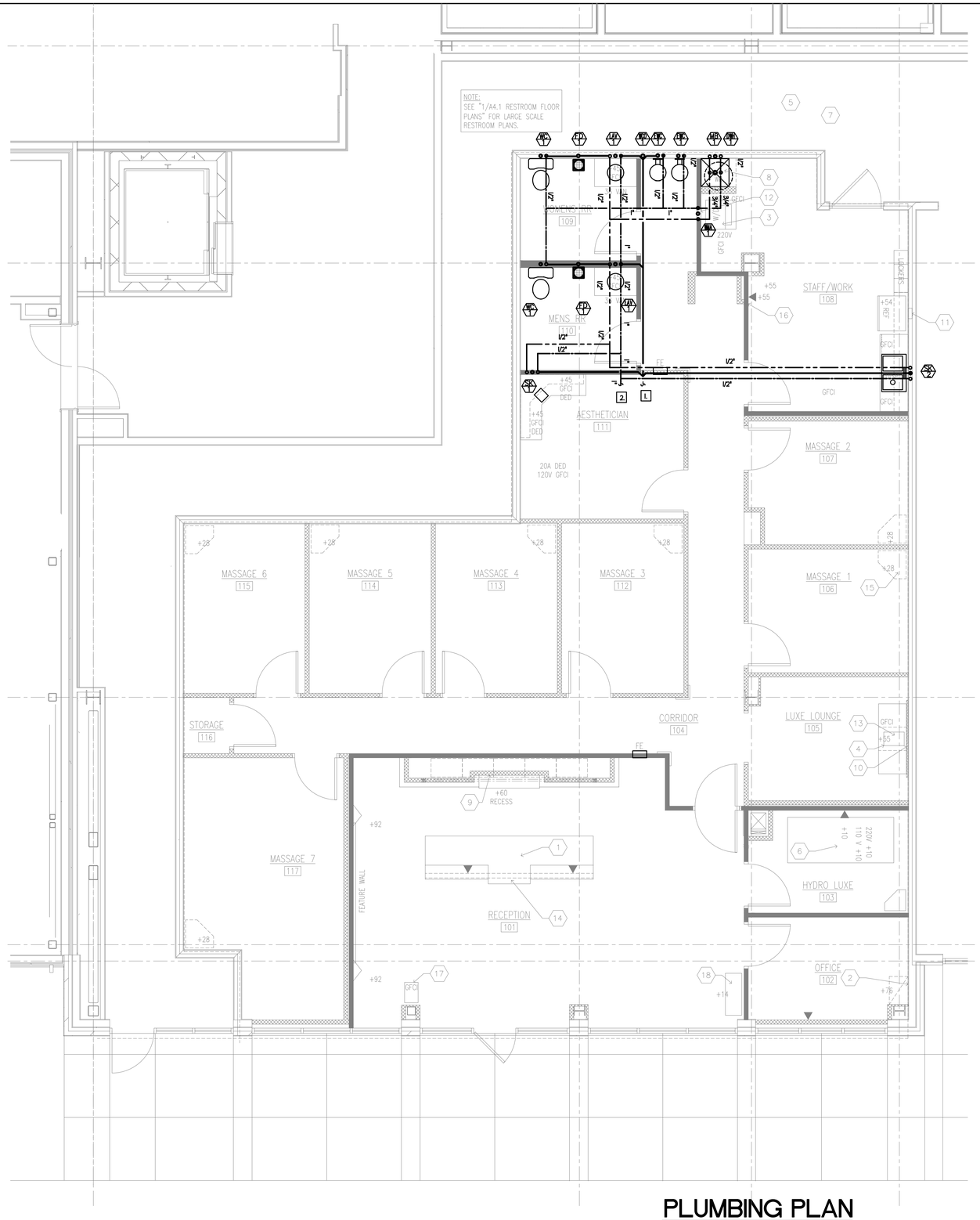
I. BE RESPONSIBLE NOT ONLY FOR THE ROUGH-IN POINTS REQUIRED AS SHOWN GENERALLY HEREIN, BUT ALSO FOR FINAL CONNECTION TO ALL EQUIPMENT AND THE FURNISHING AND INSTALLING OF MATERIALS AND LABOR FOR SUCH AS REQUIRED TO MAKE FULLY FUNCTIONAL.

J. SEE ARCHITECTURAL PLANS FOR EXACT FIXTURE LAYOUT.

K. REVIEW CAREFULLY AND FULLY ALL LITERATURE ON EQUIPMENT TO BE FURNISHED BY OTHERS. INSTALL ALL REQUIRED TRIM AND ACCESSORIES TO PROVIDE A FULLY FUNCTIONING SYSTEM (FOR EXAMPLE, TRAPS, SHUTOFFS, ESCUTCHEONS, FLEX CONNECTORS, UNIONS, TPRV'S, VACUUM BREAKERS, TRAP PRIMERS, ETC...)

L. PROVIDE SHUTOFF VALVES WITH UNIONS (DIELECTRIC WHERE REQUIRED) ON ALL CONNECTIONS TO EQUIPMENT IN FULLY ACCESSIBLE LOCATIONS. ALSO PROVIDE SHUTOFF VALVES ON EACH DISTINCT BRANCH WATER LINE.

M. ALL PIPING SHALL BE CONCEALED IN WALLS/FLOORS OR ABOVE CEILINGS UNLESS EXPLICITLY NOTED OTHERWISE.



PLUMBING SYMBOLS

SANITARY SEWER BELOW FLOOR
VENT
COLD WATER
HOT WATER

FLOOR DRAIN | PLUMBING FIXTURE MARK (P) | KEYED NOTE 1
RISER DESIGNATION (P) | SANITARY INVERT ELEVATION

PLUMBING PLAN

SCALE: 1/4" = 1'-0"
Graphic Scale:
0 4' 8'

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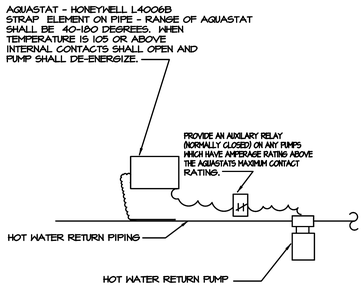
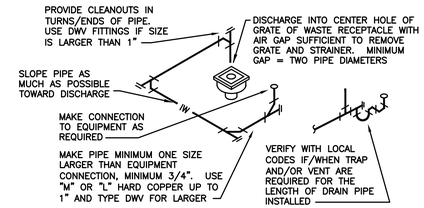
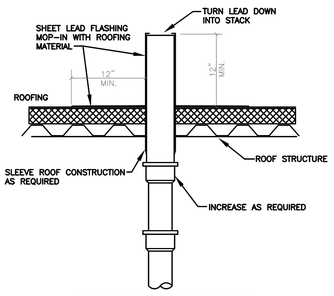


WATER HEATER AQUASTAT SCHEMATIC
NOT TO SCALE

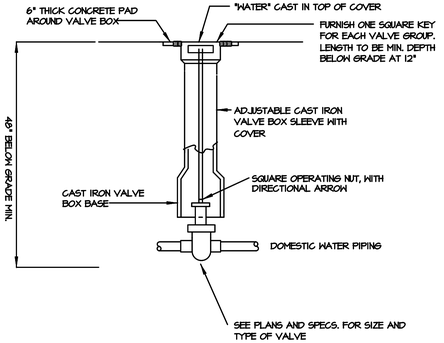


ROUTE PIPE INCONSPICUOUSLY AND UNOBTRUSIVELY. HANG PIPE AS REQUIRED. DO NOT INSULATE INDIRECT DRAIN PIPE WHEN INSTALLED EXPOSED IN FOOD SERVICE FACILITY. REFER TO LOCAL CODES FOR FURTHER INFORMATION.

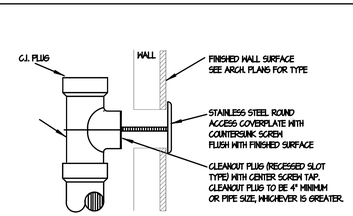
INDIRECT DRAIN SCHEMATIC
NOT TO SCALE



VENT THROUGH ROOF DETAIL
NOT TO SCALE

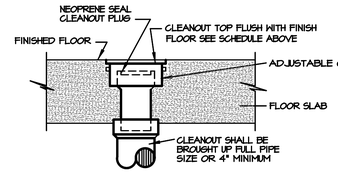


WATER SERVICE EXTERIOR SHUTOFF SCHEMATIC
NOT TO SCALE

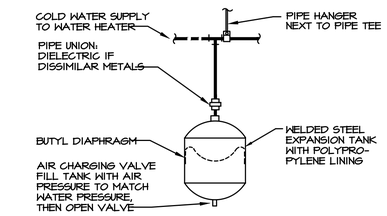


WALL CLEANOUT SCHEMATIC
NOT TO SCALE

FLOOR CLEANOUT SCHEDULE		
FLOOR TYPE	CLEANOUT TYPE	TOP MATERIAL
UNFINISHED	ROUND	CAST-IRON
V.A.T.	SQUARE-TILETOP	NICKLE BRONZE
QUARRY TILE	SQUARE-TILETOP	NICKLE BRONZE
CERAMIC TILE	SQUARE TERRAZO	TILE



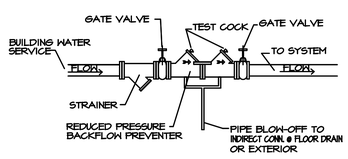
FLOOR CLEANOUT SCHEMATIC
NOT TO SCALE



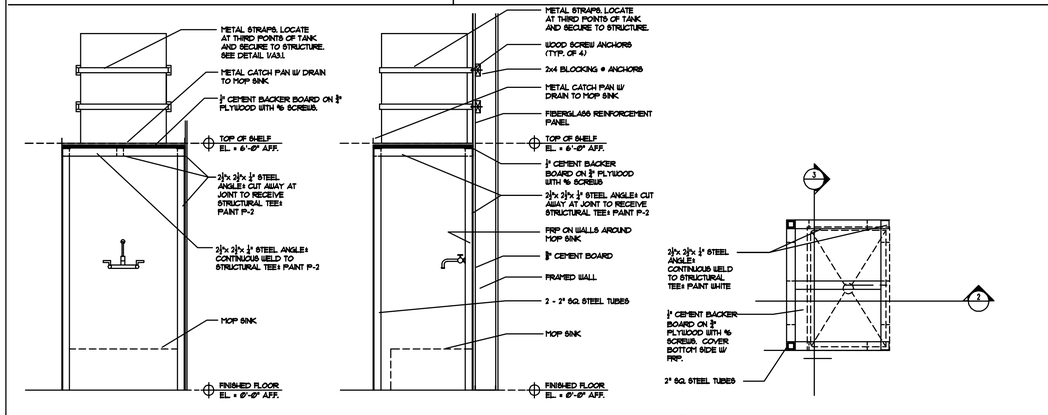
PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. MAKE PIPE SAME SIZE AS TANK FITTING. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION PROCEDURE. VERIFY PROPER OPERATION WHEN INSTALLED.

EXPANSION TANK INSTALLATION SHALL OCCUR ONLY WHEN THERE IS A BACK FLOW PREVENTION DEVICE INSTALLED WITHIN THE TENANT SPACE WATER SYSTEM OR BUILDING WATER SYSTEM. FIELD VERIFY BACKFLOW PREVENTION DEVICE.

DOMESTIC EXPANSION TANK SCHEMATIC
NOT TO SCALE



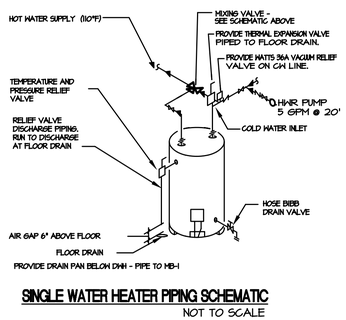
BACKFLOW PREVENTER SCHEMATIC
NOT TO SCALE



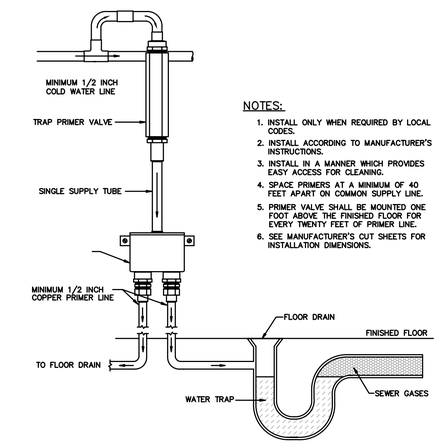
3 ELEV.@ WATER HEATER PLATFORM
NOT TO SCALE

2 SECTION @ WATER HEATER PLATFORM
NOT TO SCALE

1 PLAN @ WATER HEATER PLATFORM
NOT TO SCALE



SINGLE WATER HEATER PIPING SCHEMATIC
NOT TO SCALE



NOTES:

1. INSTALL ONLY WHEN REQUIRED BY LOCAL CODES.
2. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
3. INSTALL IN A MANNER WHICH PROVIDES EASY ACCESS FOR CLEANING.
4. SPACE PRIMERS AT A MINIMUM OF 40 FEET APART ON COMMON SUPPLY LINE.
5. PRIMER VALVE SHALL BE MOUNTED ONE FOOT ABOVE THE FINISHED FLOOR FOR EVERY TWENTY FEET OF PRIMER LINE.
6. SEE MANUFACTURER'S CUT SHEETS FOR INSTALLATION DIMENSIONS.

TYPICAL TRAP PRIMER SCHEMATIC
NOT TO SCALE

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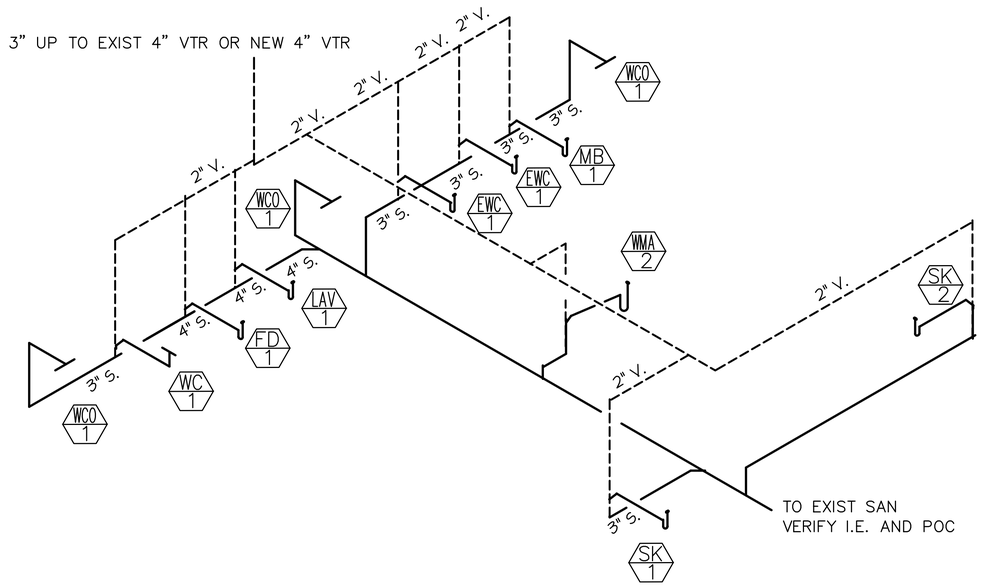
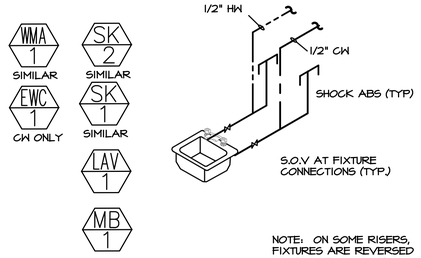


SANITARY ISOMETRIC #1

NOT TO SCALE

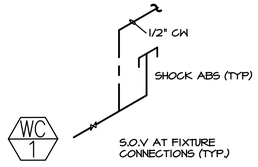
TYPICAL FOR ALL SINKS



NOTE: ON SOME RISERS, FIXTURES ARE REVERSED OR ARE MIRROR IMAGED TO THIS RISER.

VERIFY I.E. AND POC

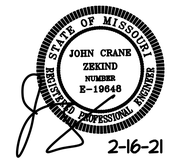
A / P1 WATER RISER NO. A



NOTE: ON SOME RISERS, FIXTURES ARE REVERSED OR ARE MIRROR IMAGED TO THIS RISER.

VERIFY I.E. AND POC

B / P1 WATER RISER NO. B



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PLUMBING SPECIFICATION

1. PART 1 - GENERAL

1.01 GENERAL

REFER TO "DIVISION NO. 1 GENERAL REQUIREMENTS", AS WELL AS GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS AND SPECIAL CONDITIONS OF THE CONSTRUCTION CONTRACT FOR PROVISIONS WHICH MAY APPLY TO THE WORK UNDER THIS SECTION.

1.02 PLANS AND SPECIFICATIONS

. PLANS AND SPECIFICATIONS ARE TO BE CONSIDERED AS MUTUALLY COMPLIMENTARY, AND REQUIREMENTS OF ONE SHALL BE CONSIDERED AS REQUIREMENTS OF BOTH. IF CONFLICTING REQUIREMENTS ARE SHOWN, THE MOST RESTRICTIVE REQUIREMENT SHALL APPLY AS ASCERTAINED BY THE ARCHITECT/ENGINEER. INFORMATION GIVEN HEREIN AND ON PLANS IS AS COMPLETE AND AS ACCURATE AS COULD BE SECURED AT THE TIME OF PREPARATION OF THIS DESIGN, BUT COMPLETE AND TIMELY ACCURACY CANNOT BE GUARANTEED. ROUTING OF CONDUIT, CIRCUITS AND LOCATION OF EQUIPMENT, APPARATUS, FIXTURES AND OTHER DEVICES ARE SHOWN ON PLANS FOR GENERAL GUIDANCE. COORDINATE WORK WITH OTHER CONTRACTORS AND PROVIDE ANY NECESSARY DEVIATIONS IN ROUTING (AS FAR AS 10' FROM THOSE SHOWN) TO PROVIDE SYSTEMS AS SPECIFIED OR IMPLIED, WITHOUT INTERFERENCE, PURSUANT TO THESE REQUIREMENTS AND AT NO COST TO THE OWNER, ARCHITECT OR ENGINEER.

1.03 COORDINATION

CAREFULLY EXAMINE ALL CONTRACT DOCUMENTS AND INCLUDE IN THE COST OF THIS BID ALL WORK NORMALLY CLAIMED BY THE TRADES UNDER YOUR CONTRACT. COORDINATE WORK WITH THE WORK OF OTHER CONTRACTORS AND SHALL DETERMINE THAT THE WORK INSTALLED WILL NOT INTERFERE WITH THE WORK OF OTHER CONTRACTORS. IF WORK IS INSTALLED WHICH DOES INTERFERE, IT SHALL BE CORREC TED AT NO COST TO THE OWNER. OCCUPATION OF SPACE BY ANY CONTRACTOR DOES NOT GIVE HIM RIGHT OF PRIORITY TO THE SPACE. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH GOVERNING CODES, UTILITY STANDARDS, LOCAL PRACTICES AND MANUFACTURER'S PUBLISHED STANDARDS . IF ANY PORTION OF THE WORK SPECIFIED OR SHOWN ON THE DRAWINGS IS CONTRARY TO THE ABOVE, THE CONTRACTOR SHALL BE REQUIRED TO BRING THE MATTER TO THE ATTENTION OF THE ARCHITECT/ ENGINEER (OWNER'S REPRESENTATIVE) PRIOR TO ROUGH - IN FOR CLARIFICATION OR REVI SION. IT IS ASSUMED THAT THE CONTRACTOR HAS A SPECIAL KNOWLEDGE OF LOCAL CODES, PRACTICES AND STANDARDS. BECAUSE OF HIS SPECIAL KNOWLEDGE, HE SHALL BE HELD RESPONSIBLE FOR REPLACEMENT OF IMPROPER INSTALLATIONS WHICH HAVE NOT BEEN CALLED TO THE ATTENTION OF ARCHITECT/ENGINEER.

1.04 PERMITS, LICENSES, INSPECTIONS AND TAXES

PAY FOR ALL PERMITS, LICENSES AND INSPECTIONS HE OBTAINS IN CONJUNCTION WITH HIS WORK AND SHALL COMPLY WITH ALL LAWS, ORDINANCES, ETC. IF THE PLANS AND/OR SPECIFICATIONS ARE AT A VARIANCE THEREWITH, NOTIFY THE ENGINEER IN WRITING BEFORE THE WORK IS PERFORMED. IF THE CONTRACTOR, WITHOUT NOTICE, SHALL DO ANY WORK CONTRARY TO ANY LAW, ORDINANCE, RULE OR REGULATION, HE SHALL BE HELD RESPONSIBLE FOR ANY SUCH VIOLATION AND ALL COSTS ARISIN G THEREFROM SHALL BE BORNE BY HIM. INCLUDE ANY LOCAL, FEDERAL AND STATE TAXES IN YOUR BID.

1.05 BID AND SUBSTITUTES

A. ALL BIDS SHALL BE BASED STRICTLY ON THE BASIS OF THE DRAWINGS AND SPECIFICATIONS. ANY REQUESTS FOR SUBSTITUTIONS SHALL BE INCLUDED AS A VOLUNTARY ALTERNATE. A COMPLETE DESCRIPTION OUTLINING THE VOLUNTARY ALTERNATE SHALL BE INCLUDED WITH A LISTING OF A COST ADD OR COST DEDUCT TO THE BASE BID. OWNER SHALL GIVE FINAL APPROVAL ON ALL VOLUNTARY ALTERNATES.

B. MEET THE RESPONSIBILITY OF COORDINATION WITH OTHER TRADES, ANY CHANGES INCURRED IN PLUMBING, HVAC, FIRE PROTECTION, GENERAL CONTRACTS, ETC., WHICH RESULT FROM EQUIPMENT SUBSTITUTION. ANY ADDITIONAL COSTS INVOLVED, DUE TO SUBSTITUTIONS, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR PROPOSING THE SUBSTITUTION.

1.06 SHOP DRAWINGS

SUBMIT FOR REVIEW SIX (6) COPIES OF SHOP DRAWINGS AND DESCRIPTIVE LITERATURE OF EQUIPMENT TO BE FURNISHED UNDER THIS CONTRACT. DRAWINGS SHALL STATE CAPACITIES, SIZES AND ALL INFORMATION SHOWN IN SCHEDULES ON PLANS AS A MINIMUM OF ALL EQUIPMENT.

1.07 OPERATION AND MAINTENANCE MANUALS AND INSTRUCTIONS

PRIOR TO FINAL PAYMENT, THREE (3) SETS OF OPERATION AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE ARCHITECT/ENGINEER FOR SUBMITTAL TO THE OWNER.

1.07 RECORD DRAWINGS

AS BUILT REPRODUCIBLE DRAWINGS ARE TO BE SUBMITTED TO ARCHITECT/ ENGINEER FOR REVIEW, PRIOR TO THE TIME OF REQUEST FOR FINAL PAYMENT.

1.08 WORKMANSHIP AND MATERIALS

ALL WORK SHALL BE PERFORMED IN A MANNER ACCEPTABLE TO THE ENGINEER, ARCHITECT AND THE OWNER, BY PROPERLY TRAINED, SUPERVISED AND EXPERIENCED PERSONNEL USING NEW AND CLEAN MATERIALS, SUPPLIES EQUIPMENT, HARDWARE AND FIXTURES.

1.09 PROTECTION OF EQUIPMENT AND WORK

EQUIPMENT, FIXTURES AND TRIM SHALL BE PROTECTED AGAINST D AMAGE DUE TO BUILDING MATERIALS, ACID, TOOLS AND EQUIPMENT OR ANY CAUSES INCIDENTAL TO CONSTRUCTION. THE FINISHED SURFACE OF EACH PIECE OF EQUIPMENT AND FIXTURE SHALL BE COVERED WITH BUILDING PAPER OR SIMILAR PROTECTION. ALL EQUIPMENT DAMAGED BY ANY CAUS E AND ANY TRIM WITH MARRED OR SCRATCHED FINISH SHALL BE REPLACED AT NO COST TO THE OWNER. THE EQUIPMENT AND EQUIPMENT TRIM PROTECTION SHALL BE REMOVED AT THE COMPLETION OF CONSTRUCTION.

1.10 TEMPORARY FACILITIES

FURNISH, INSTALL AND KEEP IN PROPER REPAIR ALL TEMPORARY POWER, LIGHTING AND OTHER FACILITIES REQUIRED FOR HIS CONSTRUCTION PURPOSES. AFTER PERMANENT FACILITIES ARE INSTALLED, THIS CONTRACTOR SHALL REMOVE ALL TEMPORARY FACILITIES ASSOCIATED WITH HIS CONSTRUCTION WORK OR PURPOSE.

1.11 MATERIAL AND EQUIPMENT HANDLING AND STORAGE

IT IS RECOGNIZED THAT SPACE AT THE PROJECT FOR STORAGE OF MATERIALS AND PRODUCTS IS LIMITED. COORDINATE THE DELIVERIES OF THE MATERIALS AND PRODUCTS WITH THE SCHEDULING AND SEQUENCING OF THE WORK SO THAT STORAGE QUIREMENTS AT THE PROJECT ARE MINIMIZED. IN GENERAL, DO NOT DELIVER INDIVIDUAL ITEMS OF EQUIPMENT TO THE PROJECT SUBSTANTIALLY AHEAD OF THE TIME OF INSTALLATION.

1.12 MAINTENANCE OF WORK AREAS

DURING THE PROJECT, MAINTAIN WORK AREA IN AN ORGANIZED MNER, DO NOT ALLOW DEBRIS TO ACCUMULATE AND STORE EQUIPMENT, TOOLS AND SUPPLIES IN A MANNER WHICH SHALL NOT CAUSE INTERFERENCE WITH THE ACTIVITIES OF OTHERS ENGAGED ON THIS PROJECT.

1.13 GUARANTEE

THE CONTRACTOR SHALL, BY ACCEPTING THESE PLANS AND SPECIFICATIONS AND SIGNING THE CONTRACT, SHALL GUARANTEE THE FOLLOWING:

ALL EQUIPMENT, ACCESSORIES AND MATERIALS FURNISHED BY HIM FOR A PERIOD OF ONE YEAR FROM FINAL ACCEPTANCE AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP. IF ANY EQUIPMENT FAILS, DOES NOT OPERATE SATISFACTORILY OR SHOWS UNDUE WEAR, THE CONTRACTOR WILL BE NOTIFIED AND WILL BE REQUIRED TO REMEDY THE DEFECT IMMEDIATELY AT HIS OWN EXPENSE.

2. MATERIALS

2.01 DOMESTIC WATER PIPING SHALL BE TYPE "L" COPPER WITH WROUGHT FITTINGS AND LEAD FREE SOLDER. HANGERS FOR DOMESTIC WATER PIPING SHALL BE EQUAL TO FEE & MASON FIGURE 200 (FOR INSULATED PIPING) AND FIGURE 500 (FOR NON-INSULATED PIPING).

2.02 SOIL AND WASTE PIPING SHALL BE SERVICE WEIGHT CAST IRON WITH BELL AND SPIGOT JOINTS, EXCEPT USE DWV PVC WHERE CODE ALLOWS

2.03 VALVES

A. SHUTOFF VALVES SHALL BE EITHER GATE VALVES (150 LB.) (STOCKHAM B-105, CRANE 428VB, POWELL 2700) OR BALL VALVES (STOCKHAM S2TBRRT, CRANE 43OTRF, OR JAMESBURY A-11-TT/2111).

2.04 PLUMBING SPECIALITIES

A. AIR CHAMBERS TO BE CONSTRUCTED OF TYPE "L" COPPER. AIR CHAMBERS TO BE ONE SIZE LARGER THAN SUPPLY, 18" LONG, PROPERLY CAPPED, AND RIGIDLY SUPPORTED. AT CONTRACTOR'S OPTION, FACTORY FABRICATED CHAMBERS WITH EQUAL VOLUME, MAY BE USED IN PLACE OF PIPE CHAMBERS. APROVED MANUFACTURERS: NIBCO, WOLVERINE, WADE, AMTROL.

B. PLUMBING FIXTURES SHALL BE BY ELKAY OR EQUAL.

3. PART 3 - EXECUTION

3.01 GENERAL

A. ALL PLUMBING FIXTURES, EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN COMPLETE ACCORDANCE WITH LATEST APPLICABLE EDITION OF THE GOVERNING JURISDICTIONAL PLUMBING CODE.

3.02 INSTALLATION OF DOMESTIC WATER PIPING

A. RUN LEVEL AS HIGH AS POSSIBLE IN BUILDING STRUCTURE. INSTALL HANGERS FOR ALLOWING FOR EXPANSION AND CONTRACTION, AND ANCHOR WHERE REQUIRED. SEPARATE HOT AND COLD PIPES, 6" MINIMUM. INSTALL 3/4" HOSE END DRAIN VALVE AT LOW POINTS. INSTALL GATE VALVE AT EACH PLUMBING FIXTURE OR GROUP OF FIXTURES, AND AT EACH POINT OF CONNECTION TO EQUIPMENT. ALLOW ACCESS TO EQUIPMENT, FOR SERVICING OF PUMPS OR EQUIPMENT WITH DRAINING SYSTEM. INSTALL 1/2" ARMAFLEX OR RUBATEX (K=.28) ON ALL DOMESTIC WATER PIPING EXCEPT THAT WHICH IS ENCLOSED IN A CHASE.

3.03 INSTALLATION OF SOIL, WASTE AND VENT PIPING

A. PIPING SHALL BE INSTALLED WITH A SLOPE OF AT LEAST 1/4" PER FOOT IN THE DIRECTION OF THE FLOW FOR DRAINS, AND AGAINST GAS FLOW FOR VENTS.

B. EACH FIXTURE AND PIECE OF EQUIPMENT REQUIRING CONNECTION TO THE DRAINAGE SYSTEM, EXCEPT FIXTURES WITH CONTINUOUS WASTE, SHALL BE EQUIPPED WITH A TRAP. EACH TRAP SHALL BE PLACED AS NEAR TO THE FIXTURE AS POSSIBLE AND NO FIXTURE SHALL BE DOUBLE TRAPPED. TRAPS SHALL BE CAST IRON.

3.04 INSTALLATION OF VALVES

A. LOCATE VALVES SO AS TO BE ACCESSIBLE AND SO TAHT SEPARATE SUPPORT CAN BE PROVIDED WHEN NECESSARY. INSTALL VALVES WITH STEMS POINTED UP. DO NOT INSTALL BRONZE VALVES AND VALVE COMPONENTS IN DIRECT CONTACT WITH STEEL, UNLESS BRONZE AND STEEL ARE SEPARATED BY A DIELECTRIC INSULATOR.

3.05 INSTALLATION OF FIXTURES AND PLUMBING SPECIALITIES

A. INSTALL AIR CHAMBERS FULL TUBE SIZE AND A MINIMUM OF 18" LONG AT EACH FIXTURE.

B. IN ADDITION TO VALVE LOCATIONS SHOWN ON PLANS, VALVES SHALL BE INSTALLED ON EACH MAIN AND EACH BRANCH OF THE MAINS, EACH PIECE OF EQUIPMENT, FIXTURE OR FIXTURE GROUP. ALL ITEMS REQUIRING WATER SUPPLY SHALL BE SEPARATELY VALVED. ALL VALVES SHALL BE LOCATED AS TO BE EASILY ACCESSIBLE.

3.07 PLUMBING TESTING AND STERILIZATION

A. TEST DRAINAGE VENT INSIDE CONDUCTOR PIPING BEFORE FIXTURE OR DRAINS ARE INSTALLED, BY CAPPING OR PLUGGING THE OPENINGS AND FILLING THE ENTIRE SYSTEM WITH WATER AND ALLOWING IT TO STAND THUS FILLED FOR ONE HOUR. IF TESTED IN SECTIONS, THE SYSTEM SHALL BE SUBJECTED TO NOT LESS THAN 10 FOOT HEAD.

B. TEST DOMESTIC WATER SUPPLY PIPING, BEFORE FIXTURES OR FAUCETS ARE CONNECTED, BY CAPPING OR PLUGGING THE OPENINGS, CONNECTING A TESTING PUMP, FILLING THE SYSTEM WITH WATER AND APPLYING A HYDROSTATIC PRESSURE TEST.

C. TEST ALL WATER PIPING, UNDER A HYDROSTATIC PRESSURE OF 50 PERCENT IN EXCESS OF THE MAXIMUM WORKING PRESSURE THAT THE SECTION OF PIPING WILL REQUIRE TO CARRY, BUT NOT LESS THAN 100 PSI. TEST PRESSURE SHALL BE HELD FOR A MINIMUM OF 4 HOURS AND SHOWN TO BE TIGHT BEFORE THE COVERING IS APPLIED.

D. AFTER PRESSURE TESTS HAVE BEEN MADE, THE ENTIRE DOMESTIC WATER DISTRIBUTION SYSTEM SHALL BE THOROUGHLY FLUSHED WITH WATER UNTIL ALL ENTRAINED DIRT AND MUD HAVE BEEN REMOVED, AND SHALL BE STERILIZED BY CHLORINATING. THE CHLORINATE SHALL BE A DOSAGE OF NOT LESS THAN 50 PARTS PER MILLION AND SHALL BE INTRODUCED INTO THE SYSTEM IN AN APPROVED MANNER. THE TREATED WATER SHALL BE RETAINED IN THE PIPE LONG ENOUGH TO DESTROY ALL NON-SPORE FORMING BACTERIA. EXCEPT WHERE A SHORTER PERIOD IS APPROVED, THE RETENTION TIME SHALL BE AT LEAST 24 HOURS AND SHALL PRODUCE NOT LESS THAN 10 P.P.M. OF CHLORINE AT THE EXTREME END OF THE SYSTEM AT THE END OF THE RETENTION PERIOD.

END OF SECTION

PLUMBING FIXTURE SCHEDULE

DWH-1: DOMESTIC WATER HEATER 50 GALLON 12 KW LOW BOY DWH HAVE 150 PSI WORKING PRESSURE, AND BE EQUIPPED WITH A MAGNESIUM ANODE. CONTROLS SHALL INCLUDE A THERMOSTAT AND A HIGH TEMPERATURE CUTOFF. THE JACKET SHALL PROVIDE FULL SIZE CONTROL COMPARTMENTS FOR PERFORMANCE OF SERVICE AND MAINTENANCE THROUGH THE FRONT PANEL OPENINGS AND ENCLOSE THE TANK WITH POLYURETHANE FOAM INSULATION. INSTALL TEMPERATURE/PRESSURE RELIEF VALVE, PROVIDED WITH UNIT. THE DISCHARGE SHALL BE PIPED TO THE SAFE PAN WITH MIN. 2" AIR GAP. HEATER SHALL HAVE A THREE YEAR WARRANTY AS OUTLINED IN WRITTEN WARRANTY.	LAV-1: WALL HUNG LAVATORY - ADA TYPE COUNTERTOP ADA LAVATORY VITREOUS CHINA, SELF RIMMING WITH AN STD 7500.170 CENTERSET 6005BECK FAUCET WITH WRIST BLADES, WITH MODURE #155 GRID DRAIN, BRASSCRAFT RH12A SUPPLIES WITH STOPS, DEARBORN CHROME PLATED P-TRAP # 100-1, TRUEBRO LAV-GUARD TRAP WRAP.
	MB-1 MOP BASIN FIAT MSB-24X24, 24X24" MOLDED STONME MOP BASIN FAUCET WITH VB AND MOP HOOK, 55 RIM GUARDS GRID DRAIN, BRASSCRAFT RH12A SUPPLIES WITH STOPS,
FD-2: FLOOR DRAIN WITH DOME STRAINER FOR WASH TROUGH	SK-1,2 SINKS PER ARCH PLANS, INSTALLED COMPLETELY BY PC
FD-1: FLOOR DRAIN. WATTS FD-100A, 3" WITH NICKEL BRONZE STRAINER.	
FS-1: FLOOR SINK FLOOR SINK - JOSAM MODEL 44312-3-31 - WITH HALF GRATE AND ALUMINUM SEDIMENT BUCKET. BODY SHALL BE CAST IRON WITH ACID RESISTANT INTERIOR AND NON-TRAFFIC TOP, 2" DISCHARGE.	
FCO: FLOOR CLEANOUT FLOOR CLEANOUT, WATTS CO-200-R FLOOR CLEANOUT WITH ROUND NICKEL BRASS TOP.	WMA-1 GUY GREY WASHING MACHINE ADAPTER
	WC-1: WATER CLOSET - ADA TYPE AMERICAN STANDARD CADET WITH VITREOUS CHINA ELONGATED BOWL BATHMASTER 215271 OPEN FRONT SEAT, BRASS CRAFT RH12A SUPPLY WITH STOP.

STATE OF MISSOURI
JOHN CRANE ZEKIND
NUMBER E-19648
REGISTERED PROFESSIONAL ENGINEER
2-16-21

MASSAGE LUXE
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- ☐ Permit 2-16-21
- ☐ Bidding
- ☐ Construction

Sheet Number:

P-4

SEISMIC CODE BLOCK

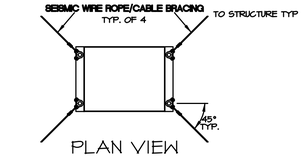
MECHANICAL & PLUMBING COMPONENTS
EARTHQUAKE LOAD RESISTANCE

SEISMIC USE GROUP (2) — SEISMIC DESIGN CATEGORY (D)

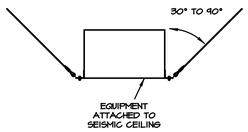
LISTING OF EQUIPMENT AND SYSTEM COMPONENTS	ANCHORAGE TO FLOORS, ROOFS, ETC		SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS			COMMENTS
					ON CONST. DOCUMENTS	SUBSEQUENT SUBMITTAL		
	NOT PROVIDED	PROVIDED	NOT PROVIDED	PROVIDED	DRAWING NO. OR SPEC. SECTION	SHOP DRAWINGS	SEPERATE PERMIT/PLANS	
FIRE PROTECTION, DETECTION & ALARM EQUIPMENT & SYSTEM COMPONENTS SEE ATTACHMENT "C" TABLE 200								
HAZARDOUS EQUIP. AND SYSTEM COMPONENTS SEE ATTACHMENT "C" TABLE 200								
OTHER EQUIPMENT & SYSTEM COMPONENTS NEEDED FOR CONTINUED OPERATION OF SEISMIC USE GROUP III FACILITIES OR WHOSE FAILURE COULD IMPAIR THEIR CONTINUED OPERATION SEE ATTACHMENT "C" TABLE 200								
OTHER GENERAL EQUIPMENT & SYSTEM COMPONENTS								
DUCTWORK	X		X		NOTE 1			NOTE 1
AIR DEVICES: DIFFUSERS, REGISTERS, GRILLES	X		X		NOTE 2			NOTE 2
CEILING EF	X		X		NOTE 5			NOTE 5
ROOF EF		X		X	NOTE 3			NOTE 3
KITCHEN HOOD		X		X	NOTE 7			NOTE 7
AHU/CU		X		X	NOTE 8			NOTE 8

NOTE 1: DUCTWORK TO BE MOUNTED WITHIN 12" OF STRUCTURE, THUS EXEMPT,
NOTE 2: AIR DEVICES ARE EXCEPTED. BUT SHALL BE ATTACHED TO SEISMIC CEILING
NOTE 3: NOT USED
NOTE 4: NOT USED
NOTE 5: CEILING EFS EXEMPTED (LESS THAN 10 LBS) BUT OVER SHALL BE SUPPORTED FROM STRUCTURE AND SCREWED TO SEISMIC CEILING GRID/STRUCTURE..
NOTE 6: NOT USED
NOTE 7: SEE SCHEMATICS THIS SHEET AND ON M SHEETS.

ALL SEISMIC BRACING AND ATTACHMENTS SHALL BE BY LOOS OR APPROVED EQUAL
THREADED RODS SHALL BE 1/2" AND MAX 12" FROM BOTTOM OF JOISTS



PLAN VIEW



ELEVATION

SESIMIC FOR CEILING EXHAUST FANS OVER 10 LB
SESIMIC FOR ALL AHU - SEE ALSO MECH DWGS

SEISMIC CODE BLOCK

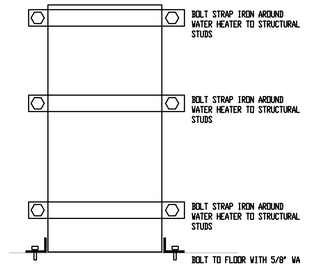
MECHANICAL & PLUMBING COMPONENTS
EARTHQUAKE LOAD RESISTANCE

SEISMIC USE GROUP ( ) 2 — SEISMIC DESIGN CATEGORY ( ) D

LISTING OF EQUIPMENT AND SYSTEM COMPONENTS	ANCHORAGE TO FLOORS, ROOFS, ETC		SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS			COMMENTS
					ON CONST. DOCUMENTS	SUBSEQUENT SUBMITTAL		
	NOT PROVIDED	PROVIDED	NOT PROVIDED	PROVIDED	DRAWING NO. OR SPEC. SECTION	SHOP DRAWINGS	SEPERATE PERMIT/PLANS	
FIRE PROTECTION, DETECTION & ALARM EQUIPMENT & SYSTEM COMPONENTS SEE ATTACHMENT "C" TABLE 200								
HAZARDOUS EQUIP. AND SYSTEM COMPONENTS SEE ATTACHMENT "C" TABLE 200								
OTHER EQUIPMENT & SYSTEM COMPONENTS NEEDED FOR CONTINUED OPERATION OF SEISMIC USE GROUP III FACILITIES OR WHOSE FAILURE COULD IMPAIR THEIR CONTINUED OPERATION SEE ATTACHMENT "C" TABLE 200								
OTHER GENERAL EQUIPMENT & SYSTEM COMPONENTS								
PLUMBING PIPING	NOTE 1		NOTE 1		NOTE 1			
WATER HEATER		NOTE 2		NOTE 2				

NOTE 1
WATER PIPING IS 2" OR LESS OF COPPER, IT IS EXCEPTED FROM SEISMIC BRACING
VENT PIPING IS 4" OR LESS OF PVC, AND IT IS EXCEPTED FROM SEISMIC BRACING

NOTE 2
WATER HEATER IS BOLTED TO FLOOR AT CORNERS WITH 5/8" WA AND STRAPPED TO WALL



SESIMIC FOR WATER HEATER

SEISMIC CODE BLOCK

MECHANICAL COMPONENTS
EARTHQUAKE LOAD RESISTANCE

SEISMIC USE GROUP (2) — SEISMIC DESIGN CATEGORY (D)

LISTING OF EQUIPMENT AND SYSTEM COMPONENTS	ANCHORAGE TO FLOORS, ROOFS, ETC		SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS			COMMENTS
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FIRE PROTECTION, DETECTION & ALARM EQUIPMENT & SYSTEM COMPONENTS								
HAZARDOUS EQUIP. AND SYSTEM COMPONENTS								
OTHER EQUIPMENT & SYSTEM COMPONENTS NEEDED FOR CONTINUED OPERATION OF SEISMIC USE GROUP III FACILITIES OR WHOSE FAILURE COULD IMPAIR THEIR CONTINUED OPERATION								
OTHER GENERAL EQUIPMENT & SYSTEM COMPONENTS								
LIGHTS		X		X	E-3			NOTE 1

NOTE 1: LIGHTS/TRACK BOLTED TO STRUCTURE OR LAY IN PER DETAIL

2-16-21

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MPE-1