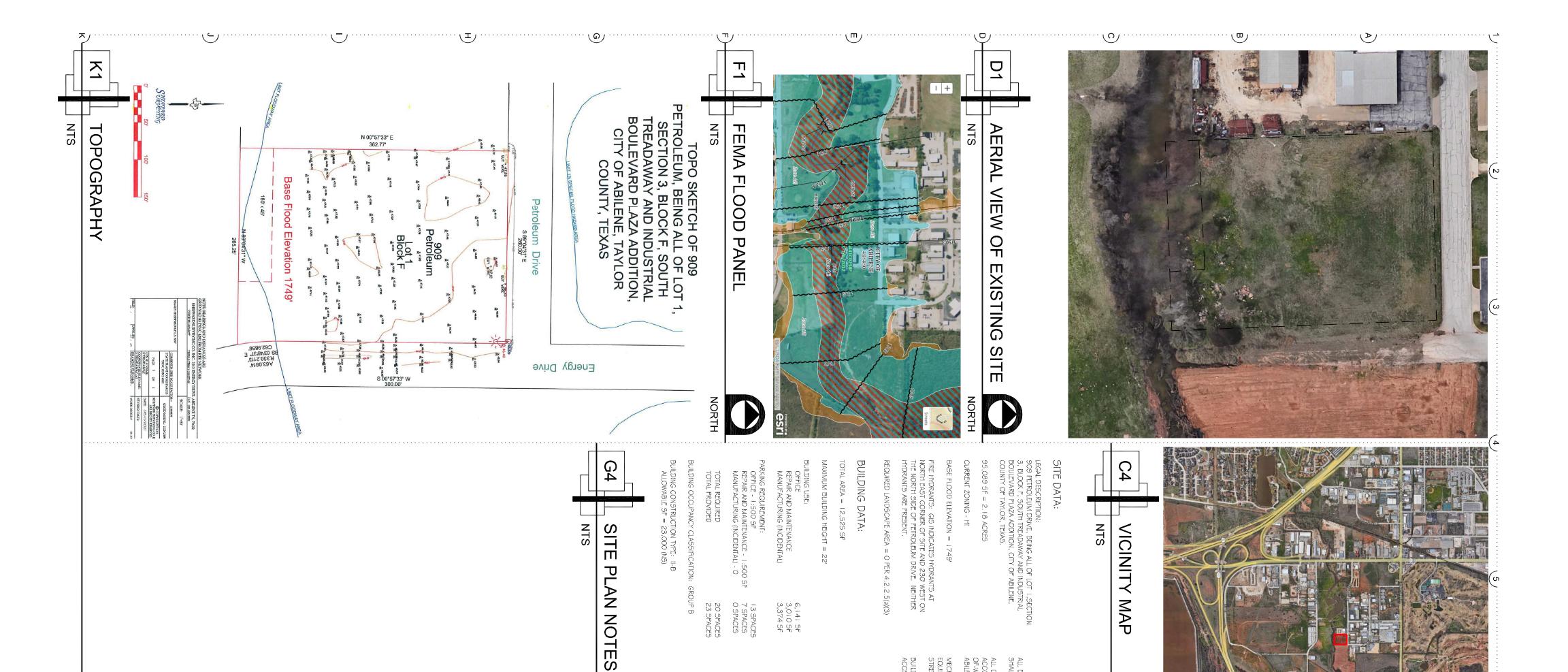
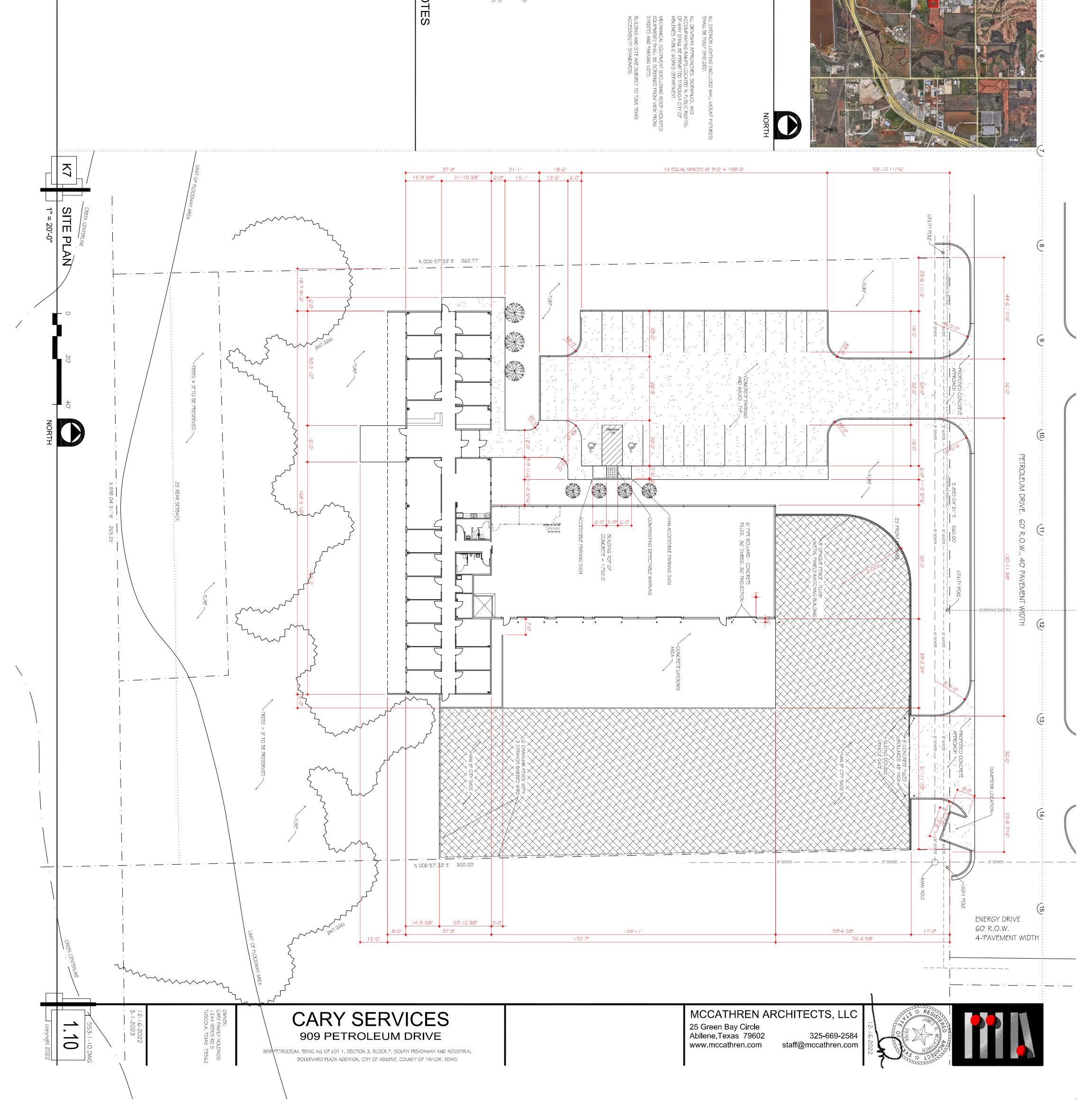
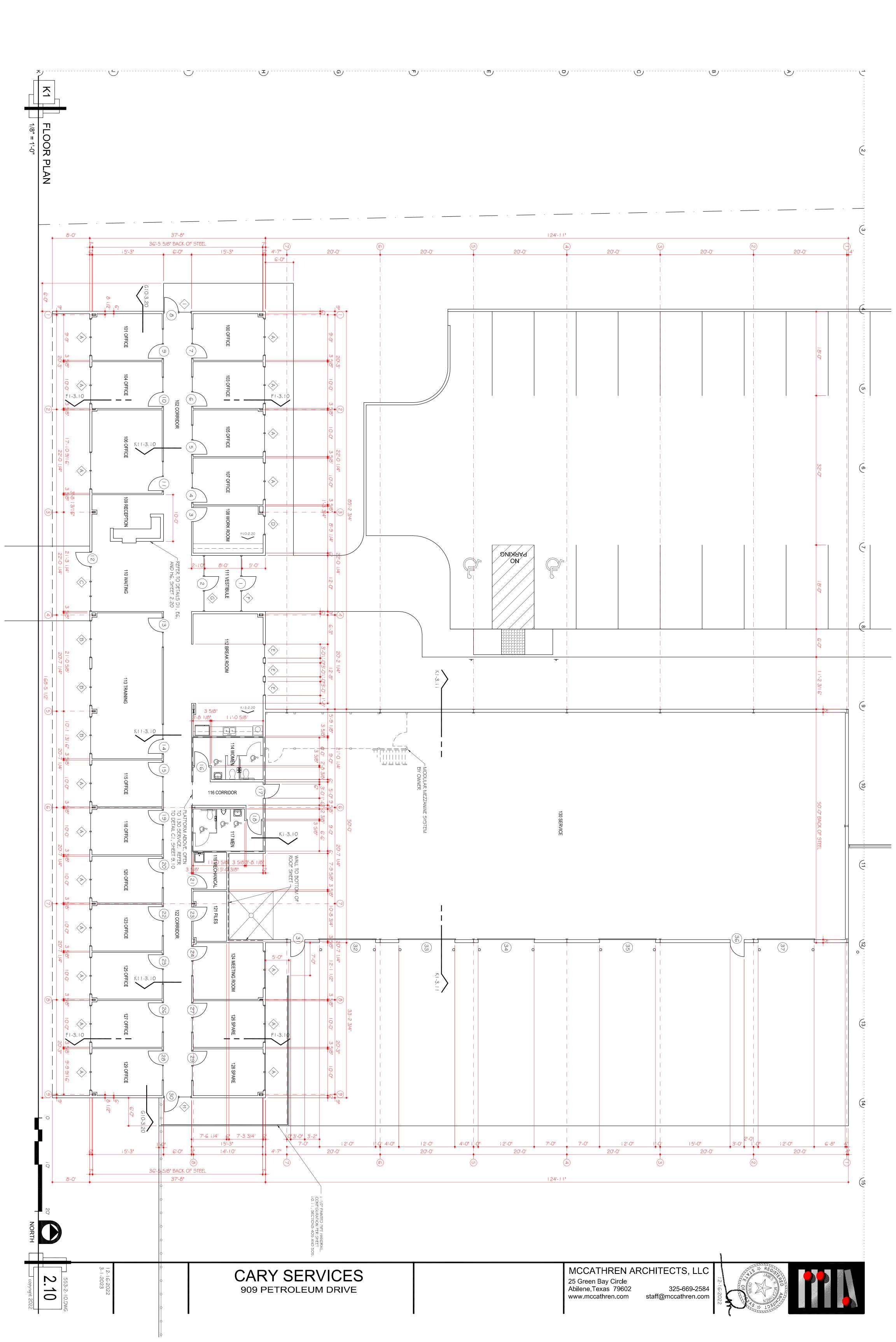
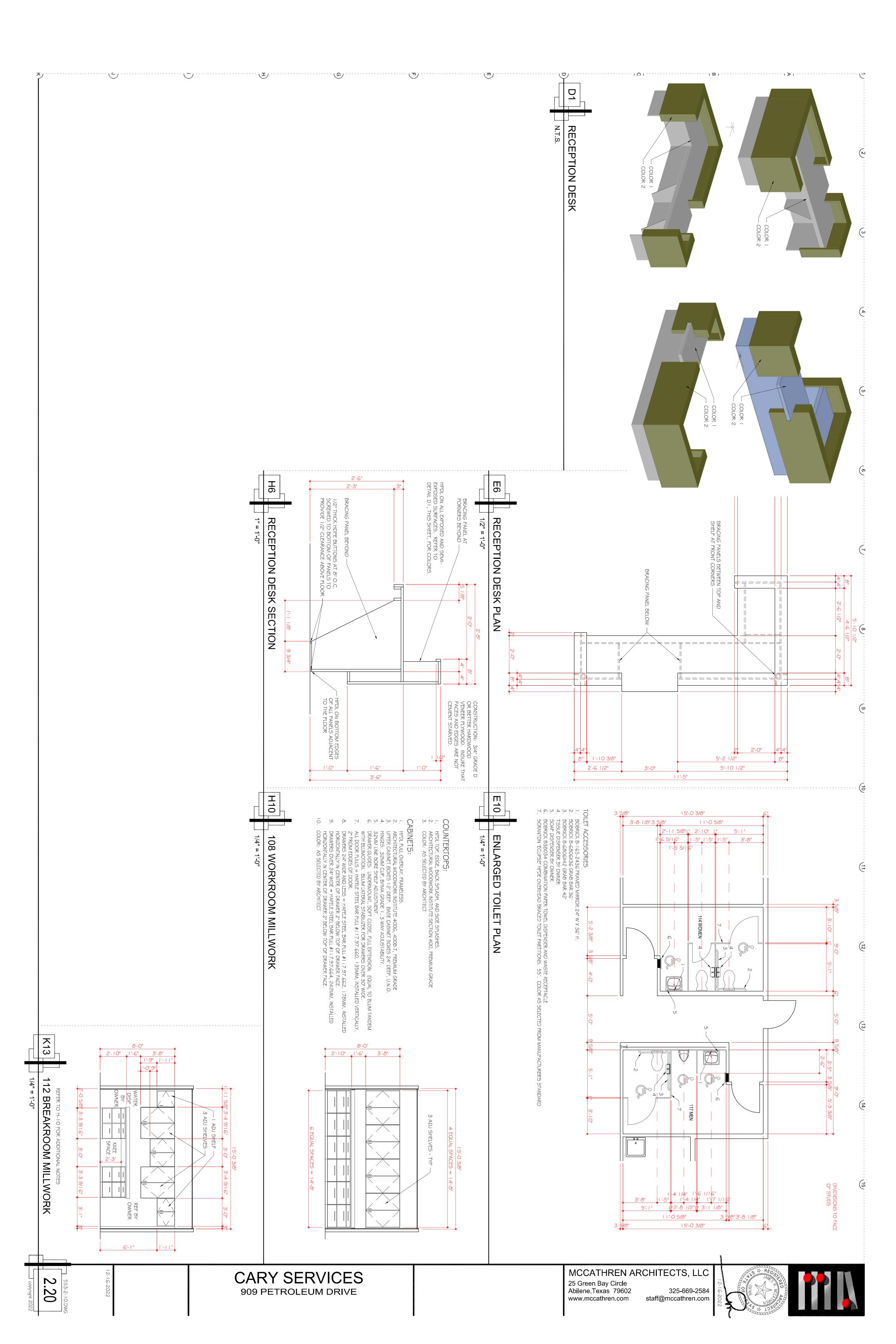


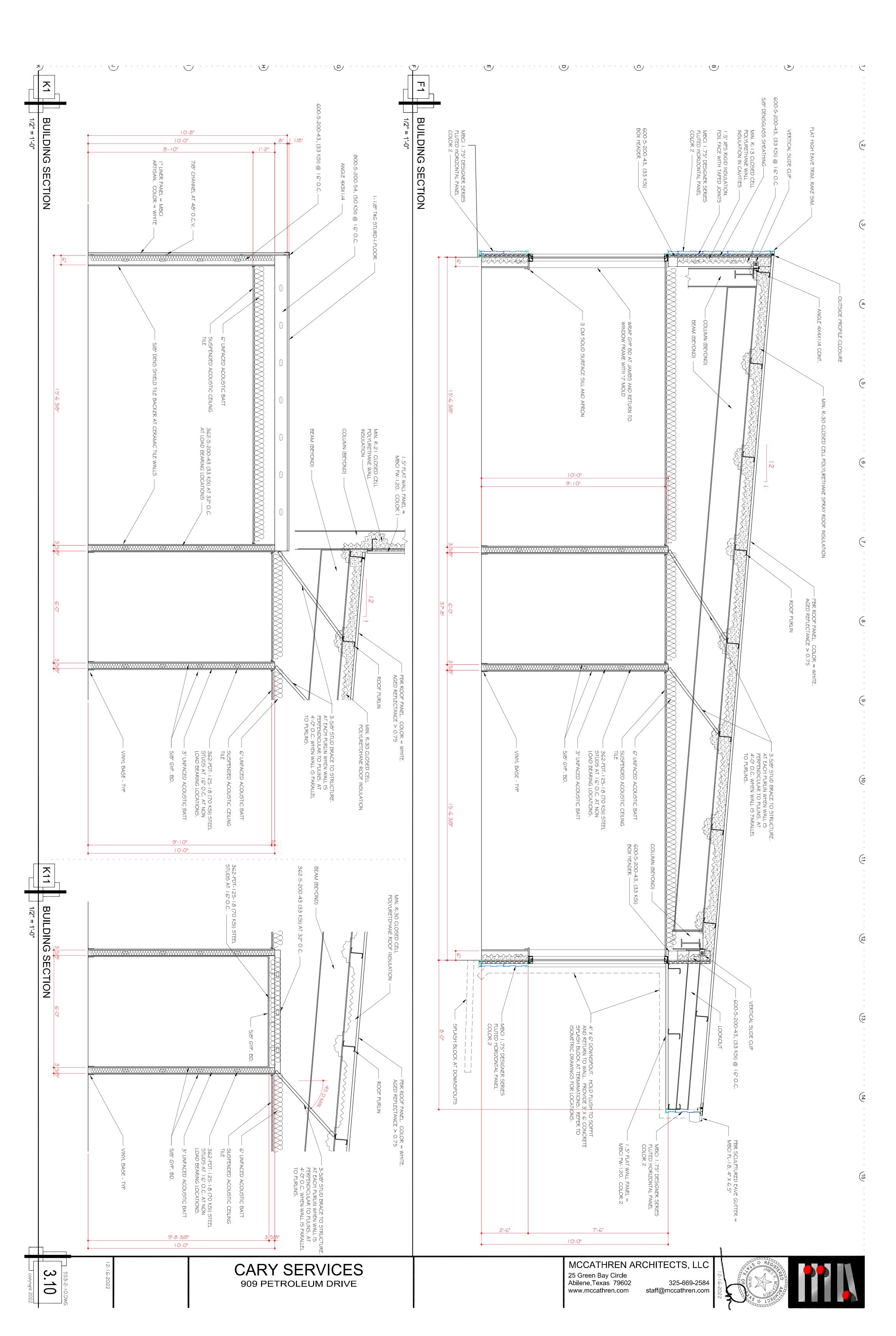
0.10	COVER AND INDEX	. 0	UTILITIES SITE PLAN
1.10	SITE PLAN	12.10	HVAC FLOOR PLAN
2.10	FLOOR PLAN	12.20	HVAC SCHEDULES
2.20	ENLARGED FLOOR PLAN	12.21	HVAC SCHEDULES
	AND MILLWORK	12.30	HVAC NOTES, LEGEND, DE
3.10	BUILDING SECTIONS	13.10	PLUMBING FLOOR PLAN
3	BUILDING SECTIONS	13.20	PLUMBING SCHEMATICS
3.20	WALL SECTIONS	13.30	PLUMBING NOTES AND LEG
4.10	ISOMETRIC VIEWS	13.31	PLUMBING DETAILS
4	ISOMETRIC VIEWS	14.10	LIGHTING FLOOR PLAN
	LIGHTGAGE FRAMING	14.20	POWER FLOOR PLAN
8.10	DOORS, FRAMES, HARDWARE	14.30	HVAC POWER PLAN
9.10	ROOM FINISH SCHEDULE AND	14.40	ELECTRICAL RISER DIAGRAI
	REFLECTED CEILING PLAN	14.50	ELECTRICAL SCHEDULES AI
10.10	ACCESSIBILITY DETAILS	14.60	ELECTRICAL NOTES, LEGEN
10.11	ACCESSIBILITY DETAILS	14.70	ELECTRICAL DETAILS
10.12	ACCESSIBILITY DETAILS		
10.13	ACCESSIBILITY DETAILS		
<u>6</u> 0	FOUNDATION PLAN		
ຸ ບ			

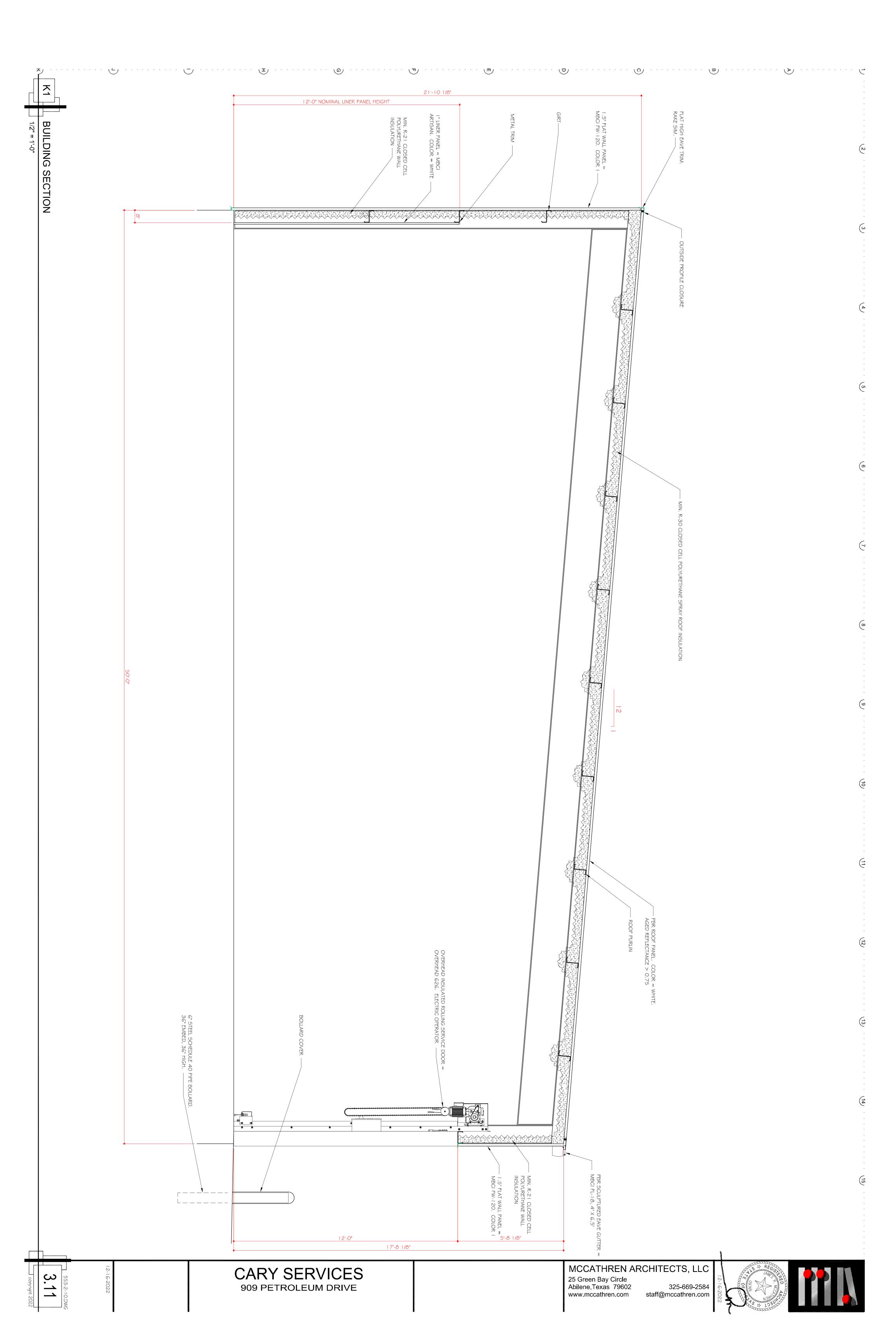










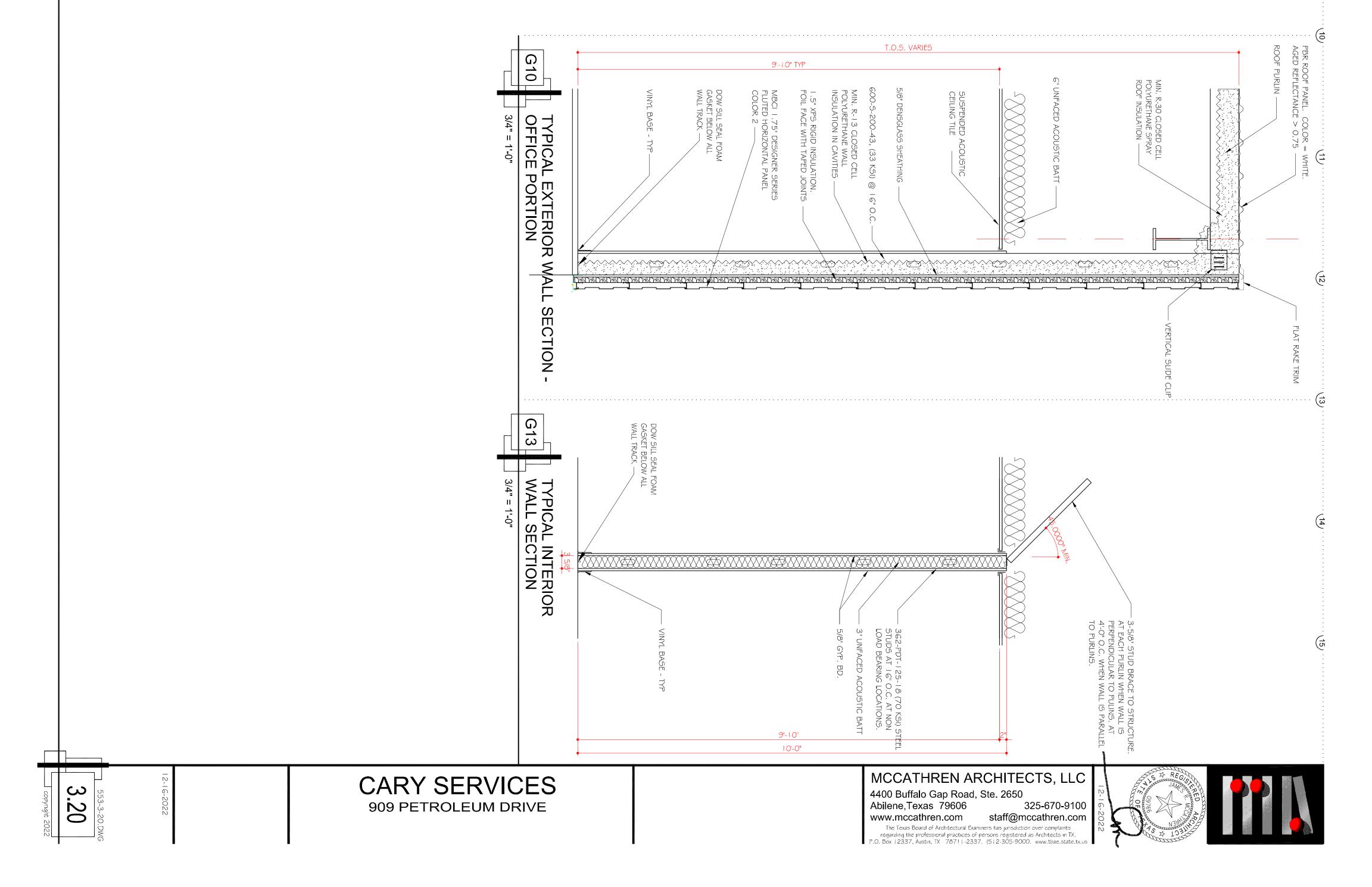


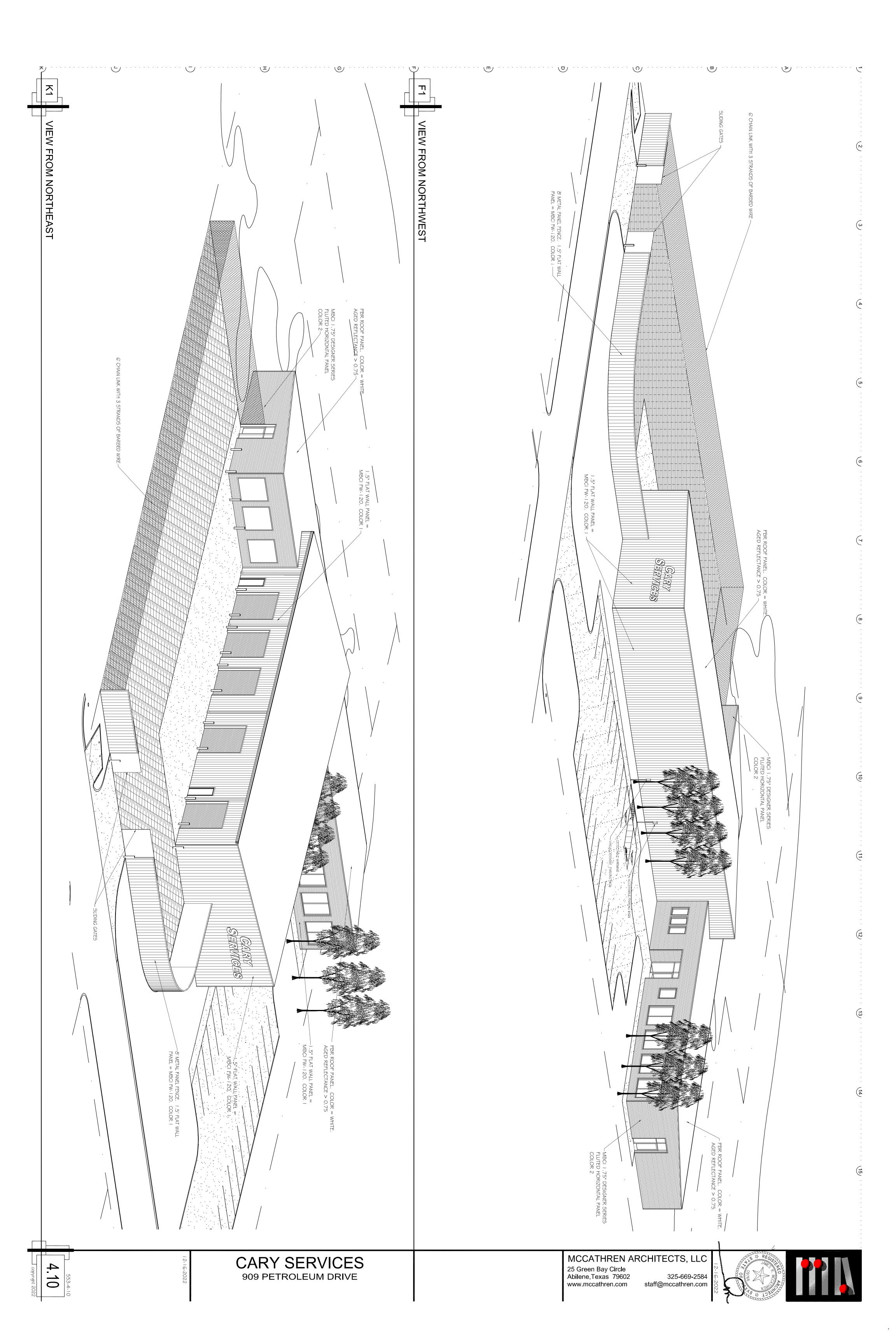
 ۲	 	<u>ı</u>	····· @·····	 	 	 	C
							- - - - - -
							· · · ·
							ω
							,
							(4
							5
							• • •

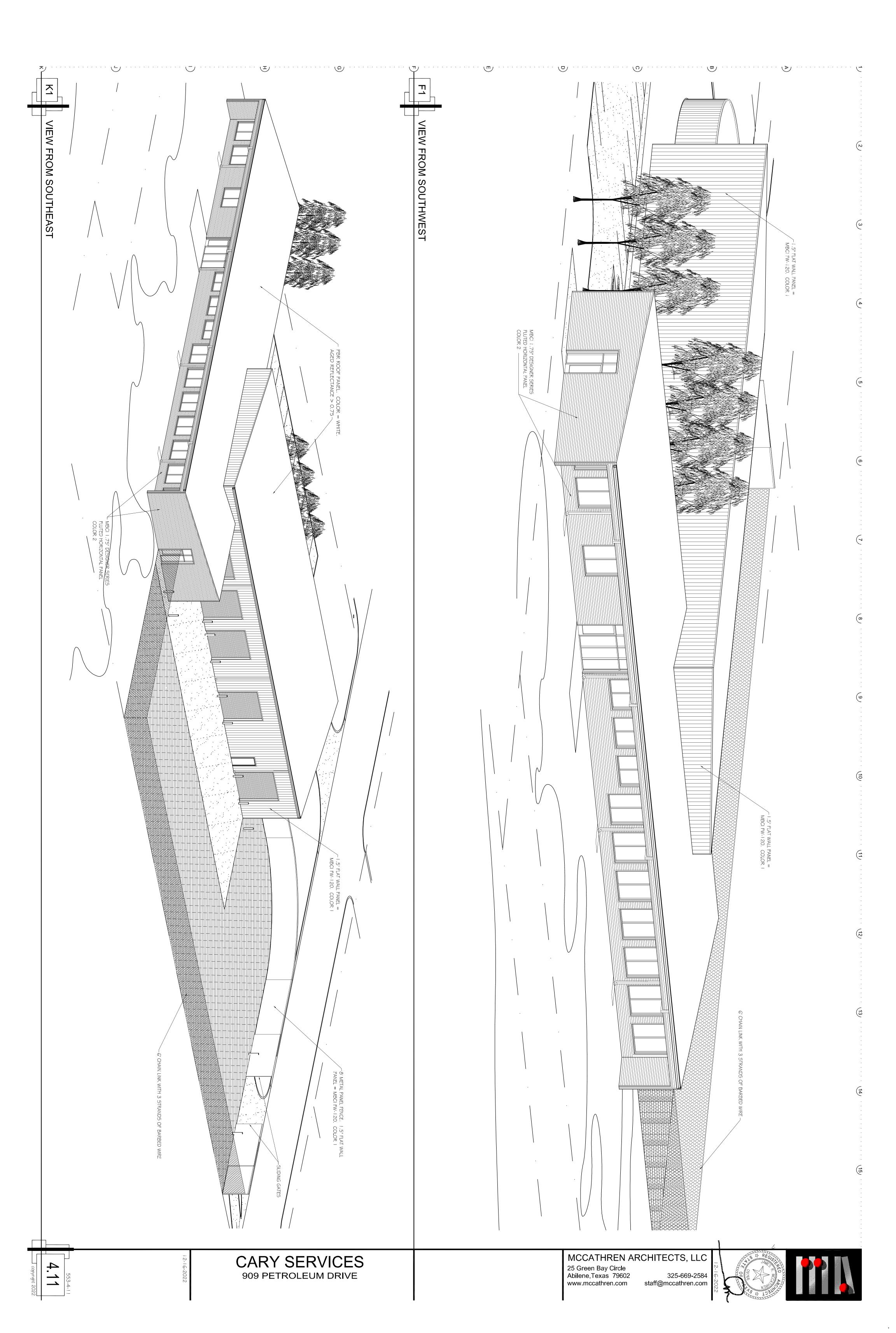
(ത

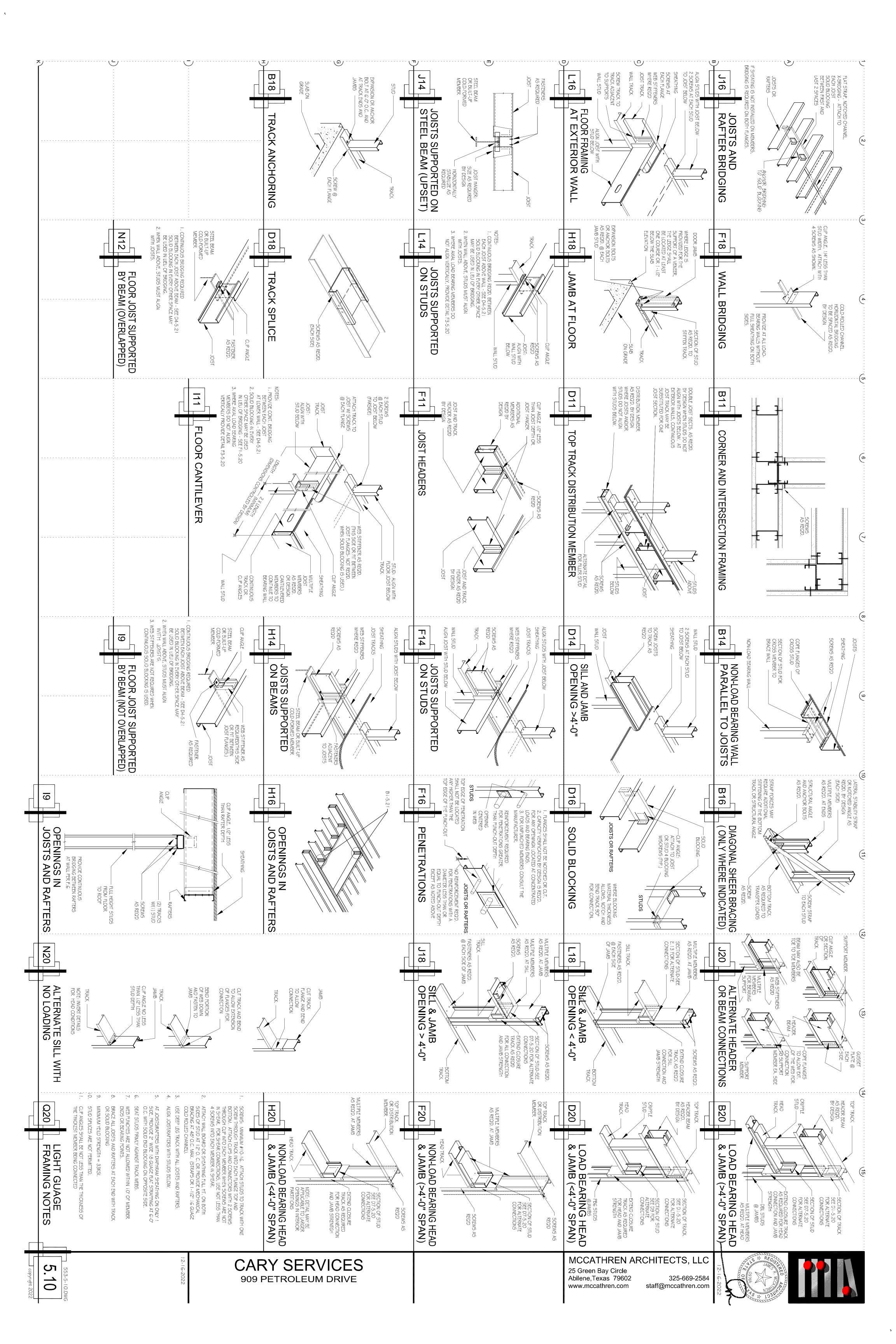
(∞)

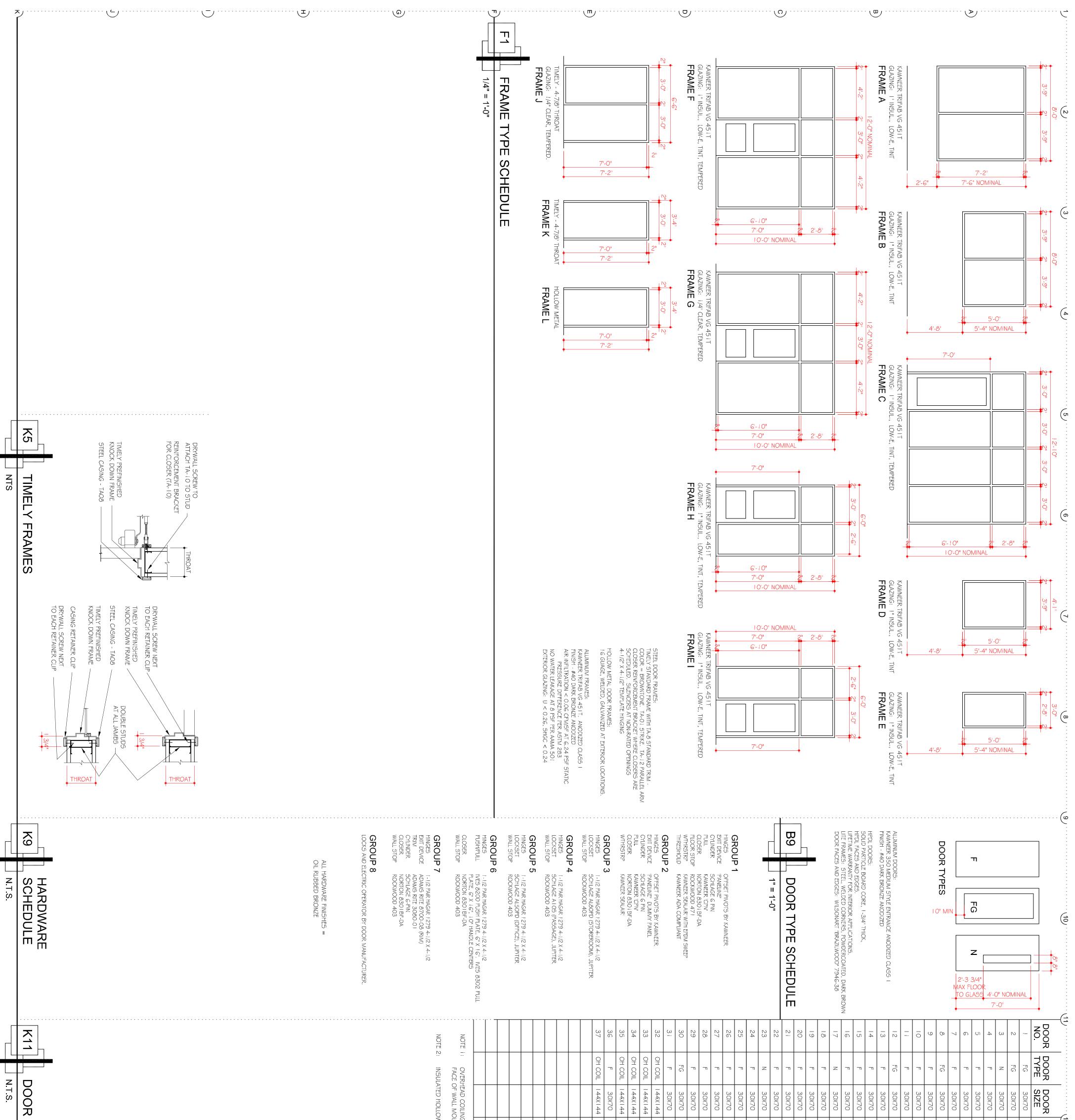
(0











	ļ					8		STEEL		STEEL	
	2					7		H.M.	L	H.M.	
						0		STEEL		STEEL	
	_					00		STEEL		STEEL	
	_					00		STEEL		STEEL	
	_					00		STEEL		STEEL	
	N					7		H.M.	ſ	Н.М.	
					INSUL - TEMP	_		ALUM	н	ALUM	RHR
44 Al			K5-8.10	K5-8.10		J		STEEL	Ĺ	HPDL	H
100 bile ww.			K5-8.10	K5-8.10		J		STEEL	ب	HPDL	RH
Bu ne, mc			K5-8.10	K5-8.10		J		STEEL	Ĺ	HPDL	H
ffal Tex cat			K5-8.10	K5-8.10		ഗ		STEEL	ب	HPDL	RH
o C kas hre			K5-8.10	K5-8.10		J		STEEL	Ĺ	HPDL	RH
iap 79 n.c			K5-8.10	K5-8.10		ഗ		STEEL	ب	HPDL	Н
Ro 600 om			K5-8.10	K5-8.10		ω		STEEL	Ĺ	HPDL	H
ad, 6 al Exar			K5-8.10	K5-8.10		J		STEEL	Ĺ	HPDL	RH
Ste s niners			K5-8.10	K5-8.10		ω		STEEL	×	HPDL	RH
e. 20 staff			K5-8.10	K5-8.10		J		STEEL	Ĺ	HPDL	RH
650 @ r			K5-8.10	K5-8.10		J		STEEL	Ĺ	HPDL	RH
) 32 ncc			K5-8.10	K5-8.10		0		STEEL	*	HPDL	H
5-6 ath			K5-8.10	K5-8.10		J		H.M.	ſ	H.M.	도
S, L 70- iren			K5-8.10	K5-8.10		6		STEEL	~	HPDL	Н
910 .co			K5-8.10	K5-8.10		J		STEEL	Ĺ	HPDL	RH
00			K5-8.10	K5-8.10		J		STEEL	ب	HPDL	H
12-16-2022			K5-8.10	K5-8.10		ហ		STEEL	ب	HPDL	RH
Ł					INSUL - TEMP	_		ALUM	0	ALUM	LHR
and the second sec			K5-8.10	K5-8.10		б		STEEL	J	HPDL	Ц
A Transformer to			K5-8.10	K5-8.10		U		STEEL	L	HPDL	Ц
			K5-8.10	K5-8.10		U		STEEL	Ĺ	HPDL	Н
RECOM					INSUL - TEMP	_		ALUM	_	ALUM	RHR
STER R. MC AND IL			K5-8.10	K5-8.10		J		STEEL	J	HPDL	RH
Saed Anth			K5-8.10	K5-8.10		σ		STEEL	ب	HPDL	RH
			K5-8.10	K5-8.10		J		STEEL	L	HPDL	RH
			K5-8.10	K5-8.10		J		STEEL	L	HPDL	RH
			K5-8.10	K5-8.10		4		STEEL	×	HPDL	H
					1/4" TEMP.	N		ALUM	G	ALUM	RHR
					INSUL - TEMP	_		ALUM	-11	ALUM	RHR
	NOTES	KEY	JAMB	HEAD		HRDWR GROUP	THROAT	FRAME MATL	FRAME TYPE	DOOR MATL.	DOOR HAND

OVERHEAD COILING SERVICE DOOR = OVERHEAD 626 STORMTITE. INSULATED, R-VALUE = 7.71, VARIABLE FREQUENCY DRIVE CONTROLLER, INTERIOR FACE OF WALL MOUNT, GALVANIZED STEEL CURTAIN, INTEGRATED BRAKE, MANUAL HAND CHAIN, WIRELESS SAFETY EDGE, PHOTOELECTRIC SAFETY SENSORS INSULATED HOLLOW METAL DOOR. R-VALUE . H 2.8

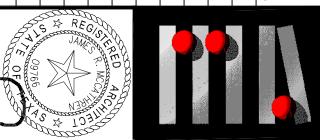
 \odot

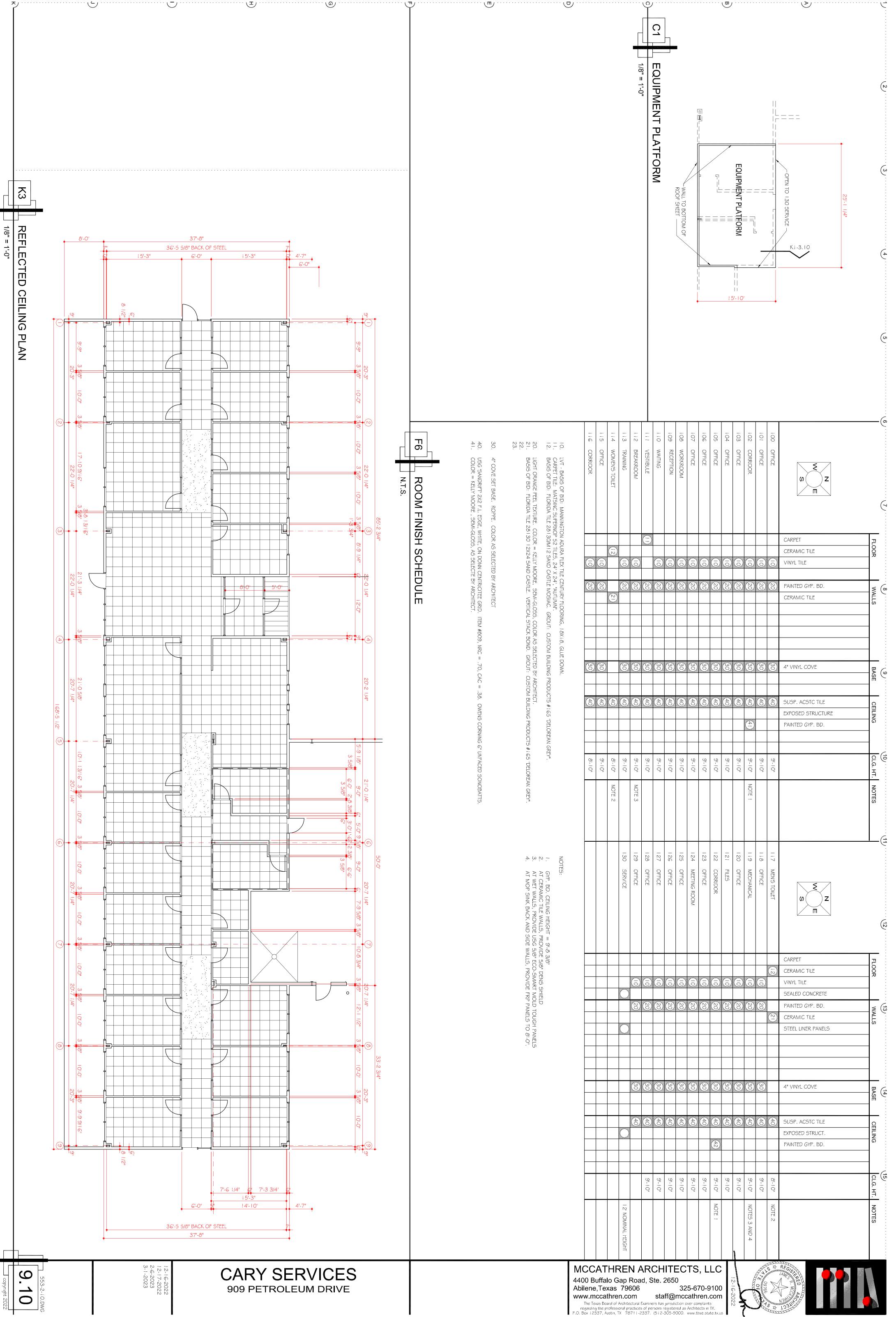
10

|2-|6-2022 |2-|7-2022

CARY SERVICES 909 PETROLEUM DRIVE

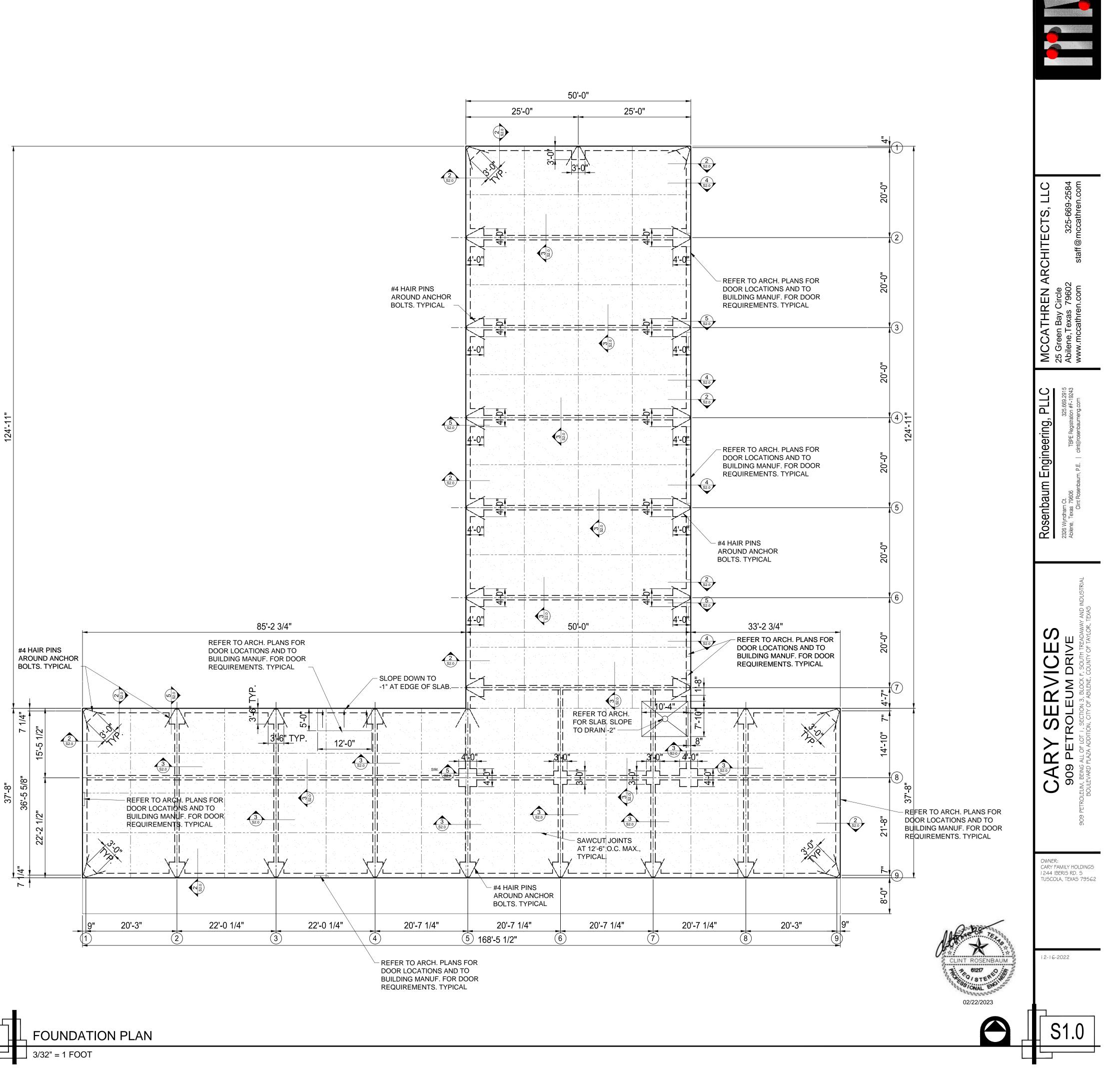






- - - -		FLOOR WALLS
	S T T	CARPET CERAMIC TILE VINYL TILE PAINTED GYP. BD. CERAMIC TILE
8	OFFICE	
	OFFICE	(10)
	CORRIDOR	
	OFFICE	10
	WORKROOM	
	RECEPTION	
	WAITING	10 20
	VESTIBULE	
	BREAKROOM	
	TRAINING	
	WOMEN'S TOILET	12
	OFFICE	(10)
	CORRIDOR	(10)

y		2	O		
	<u>GEN</u>	NERAL NOTES			
	1.	THIS PROJECT SHALL BUILDING CODE AND	- • -	MENTS OF THE 2021 INTERN E SUPPLEMENT.	JATIONAL
A	2.	MOISTURE CONDITION	NED SOILS WEIGHTEI	3 ON GROUND FOUNDATION D PI OF 12. GRADE BEAM MA DISTURBED NATIVE SOILS E	AXIMUM
	3.	MANUFACTURER'S DF	RAWINGS AND EXISTI	DRAWINGS WITH THE BUILD NG CONDITIONS. CONTRAC OF ANY DISCREPANCIES.	-
в	4.	ANCHOR BOLTS TO B	E PLACE PER BUILDI	NG MANUFACTURER'S DRAV	WINGS.
	SITE	PREPARATION			
		OTHER DEBRIS. TOPS THE SITE LOOKS TO H	OIL SHALL BE STRIPF AVE BEEN USED AS A RIS. ANY CONSTRUC	OT BALLS, BRUSH, VEGETAT PED TO A DEPTH OF 4 TO 6 I A DUMPING AREA FOR TION DEBRIS SHOULD BE	
		PAD SITE SHOULD BE TO LOCATE ANY SOFT LOOSE SOILS SHOULD WITH PROPERLY COM ROLLING, THE SUBGRA	PROOF ROLLED WITH OR UNSTABLE ARES BE REMOVED TO A PACTED SELECT FILH ADE SHOULD BE SCA TENT, AND RECOMP	NG AND STRIPPING THE BU H A LOADED TANDEM AXLE S. IF PRESENT, THESE SOFT STABLE SUBGRADE AND RE L MATERIAL. FOLLOWING PF ARIFIED, MOISTURE CONDITI ACTED TO BETWEEN 95 AND 98.	TRUCK OR EPLACED ROOF IONED TO
		FILL FREE OF ORGANIA MAXIMUM LIQUID LIMIT HAVE A MAXIMUM PAR ALSO MEET THE USCS SHOULD BE COMPACT ASTM D 698 AT OR ABO THICKNESS SHOULD N	CS AND OTHER DELE T OF 30, A PLASTICITY TICLE SIZE OF 2 INC CLASSIFICATION OF ED TO A MINIMUM OI OVE OPTIMUM MOIST	UGHT TO ELEVATION USING TERIOUS MATERIALS WITH Y INDEX BETWEEN 5 AND 12 HES. THE SELECT FILL SHOU SC, GC OR CL. THE SELEC F 95 PERCENT STANDARD P TURE CONTENT. COMPACTE S. WHERE CRUSHED LIMES MATERIAL SHALL BE PLACE	A 2, AND ULD T FILL PROCTOR ED LIFT STONE
₽		OR – 2 PERCENT OF O			
	FOL	JNDATION NOTES			
	1.	COMPLY WITH APPLIC	CABLE PORTIONS OF ETE AND ACI 318 - BI	HANDLING, TESTING, ETC. S ACI 301 – SPECIFICATIONS UILDING CODE REQUIREMEI	FOR
•	2.	UTILITY EXCAVATION COMPACTED AS SPEC		LED WITH SELECT FILL AND DING PAD.	I
	3.	STRENGTH OF 3,500 F ACI-301, CEMENT SHA	PSI. CONCRETE DESI ALL BE ASTM C150 TY	O HAVE A 28-DAY COMPRES GN MIX SHALL BE PREPARE (PE 1 OR 2, AGGREGATE SH A SLUMP BETWEEN 3 AND 5	ED PER IALL BE
G	4.	REINFORCING STEEL	SHALL CONFORM TO	O ASTM A615 GRADE 60.	
	5.	LAP SPLICES SHALL E #6'S AND 35" FOR #7 E		ICHES FOR #4'S, 25" FOR #5'	'S, 30 FOR
	6.	PLACE ALL REINFORC POROUS MATERIAL IS		METAL CHAIRS. BRICK OR (OTHER
	7.	PROVIDE #4 HAIRPIN SHALL BE 30" LONG.	BARS AROUND ANCH	IOR BOLTS. EACH LEG OF H	AIRPIN
	8.		E SHALL BE FINISHED	TO A HARD, STEEL TROWE D WITH A NON-SLIP BROOM	
5	9.	EXCESSIVE COLD OR CONCRETE WITH A C	HOT TEMPERATURE URING COMPOUND P	ROM PREMATURE DRYING A S. COVER FRESHLY FINISHE PER MANUFACTURES DIREC BLE WITH ALL FUTURE FLOO	ED TIONS.
	10.			LL EXPOSED TO VIEW FORM	MED
J	11.	SPACED NO MORE TH WILL NOT BE TORN, A	IAN 15' ON CENTER. BRADED OR OTHER ER THAN 72 HOURS A	ENERALLY SHOWN. JOINTS S SAW JOINTS AS SOON AS SI WISE DAMAGED BY THE CUT AFTER PACING OF THE CON DEEP.	URFACE TTING
	12.	FILL JOINTS WITH SIK	AFLEX-1C OR OTHER	R APPROVED CAULKING SYS	STEM.
	13.	COORDINATE DOOR S ARCHITECTURAL AND	-	ELECTRICAL LOCATIONS W DRAWINGS.	ΊΤΗ



U

12

10

Y

14

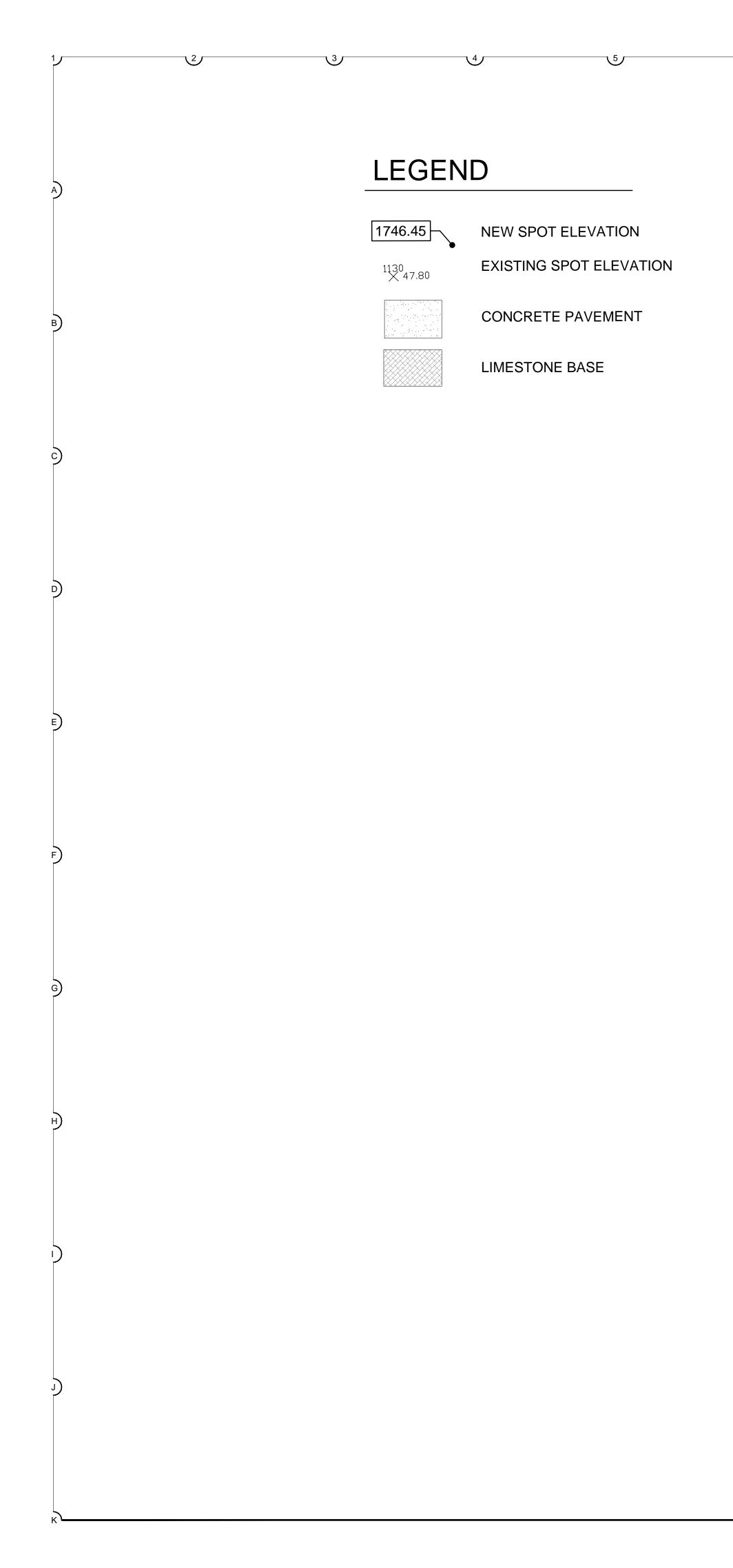
13

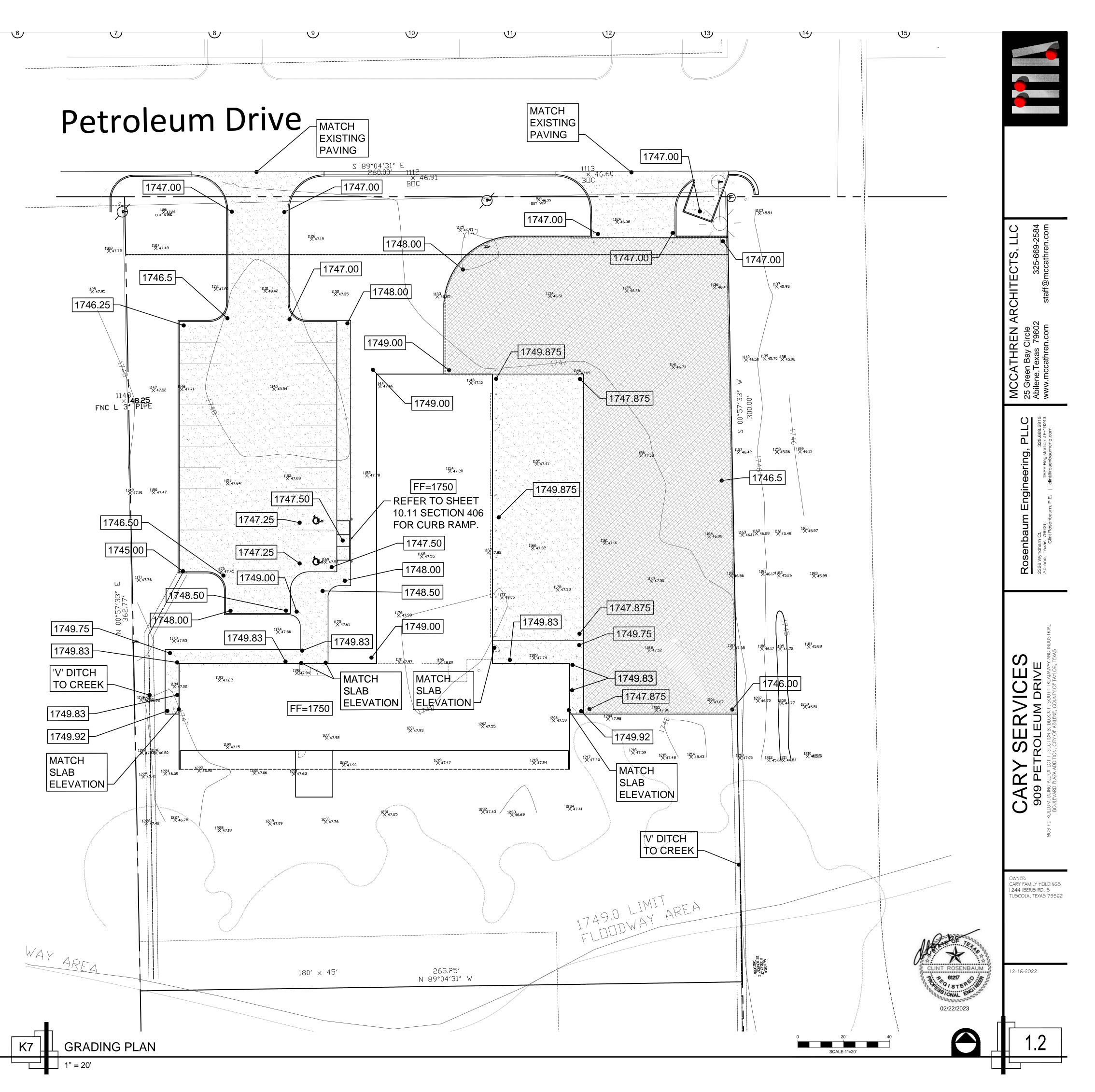
...

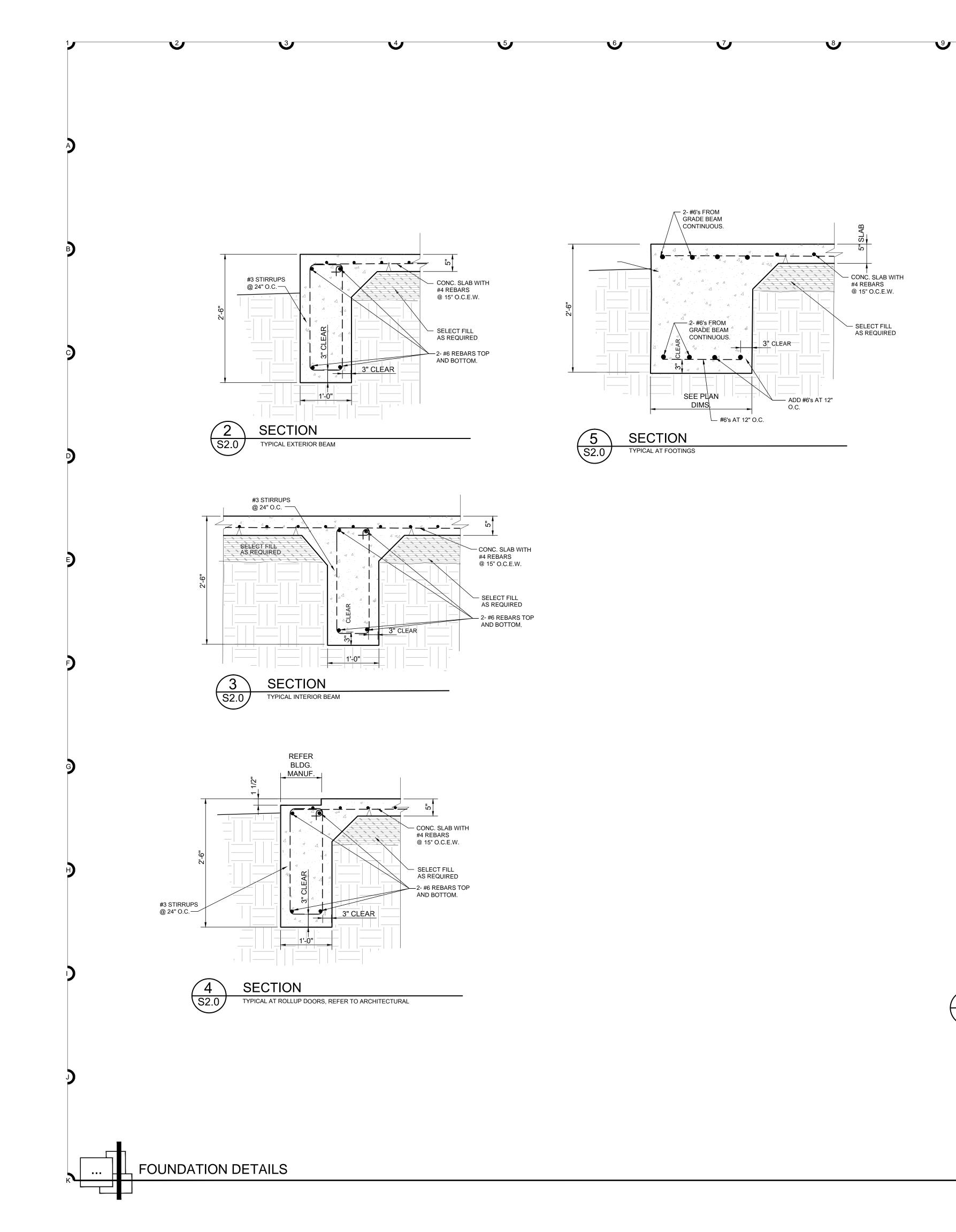
6

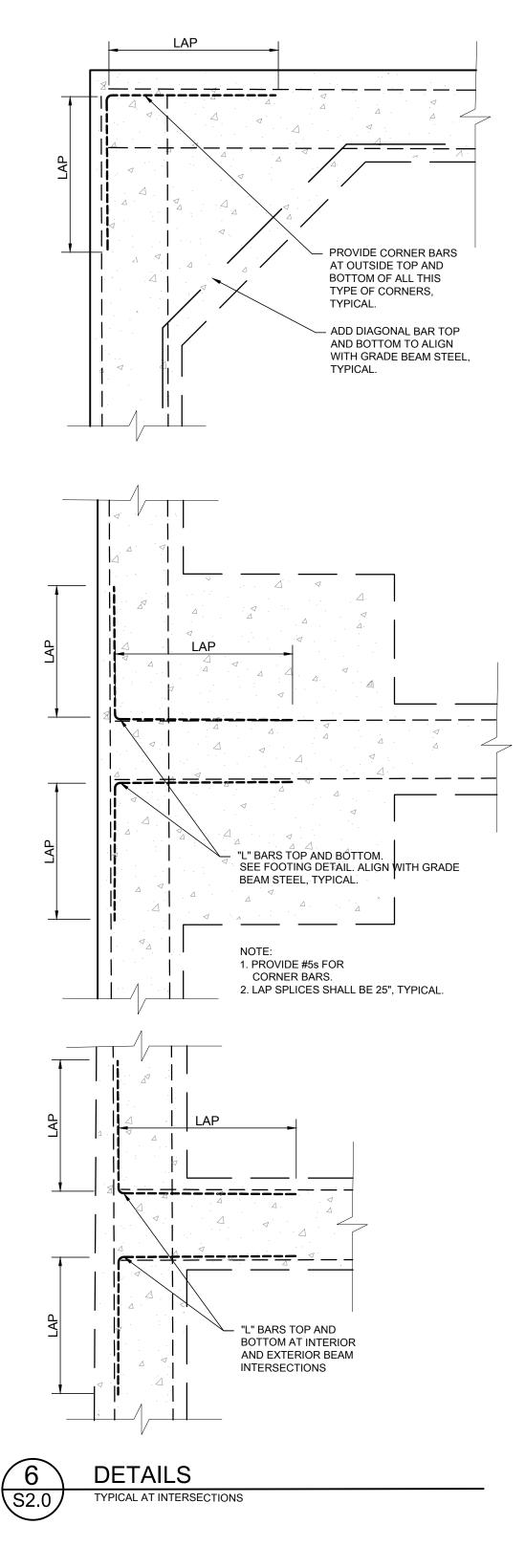
シ

Y



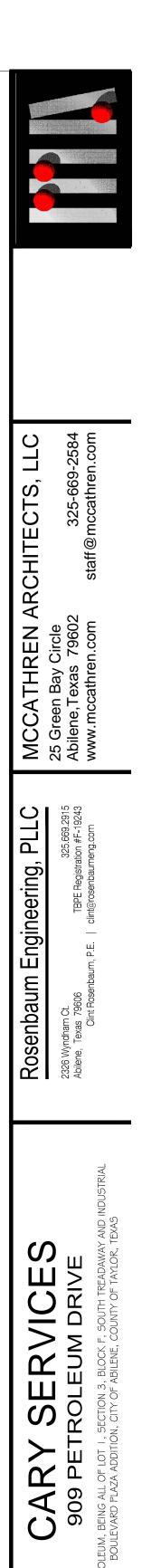






10

11



OWNER: CARY FAMILY HOLDINGS I 244 IBERIS RD. S TUSCOLA, TEXAS 79562

|2-|6-2022

S2.0



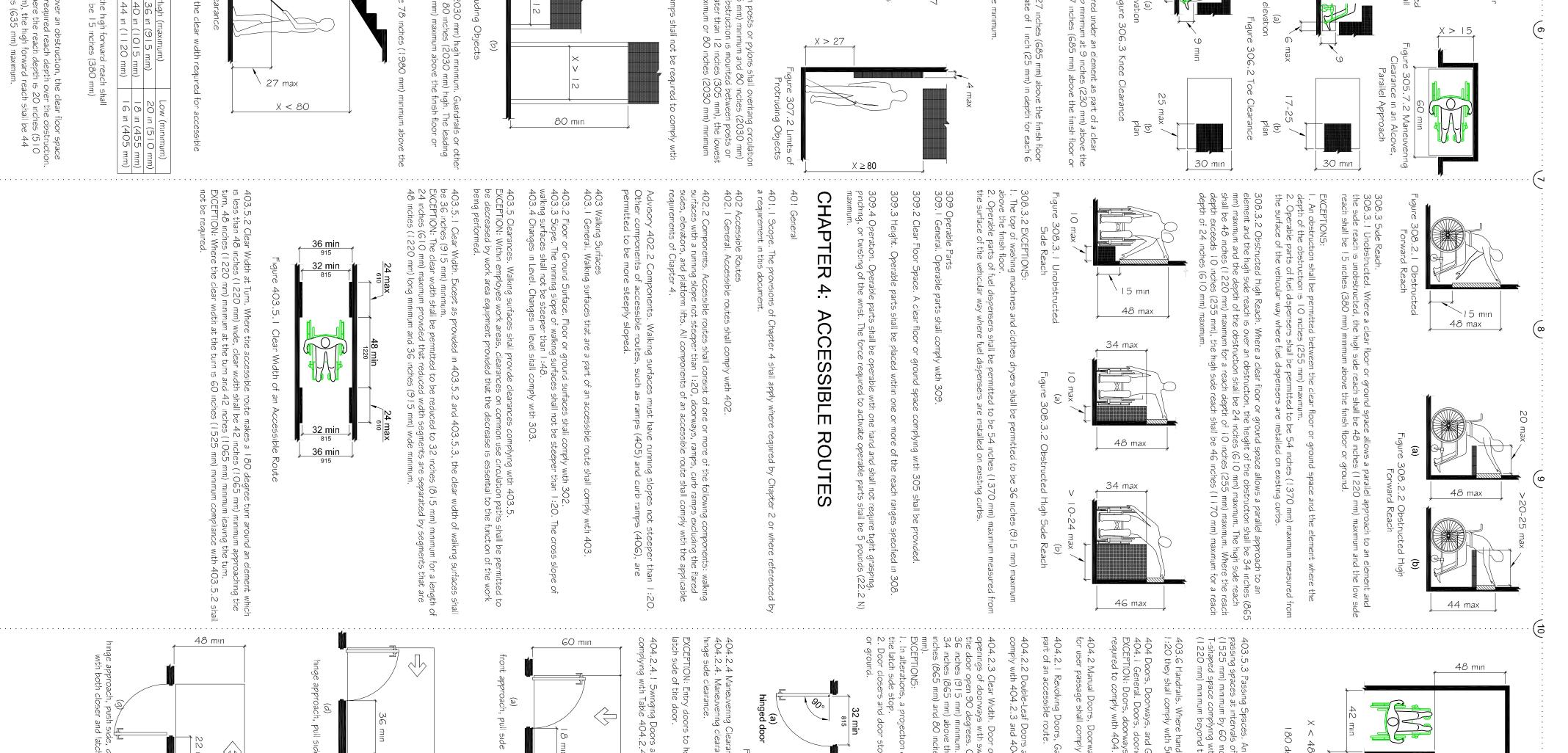


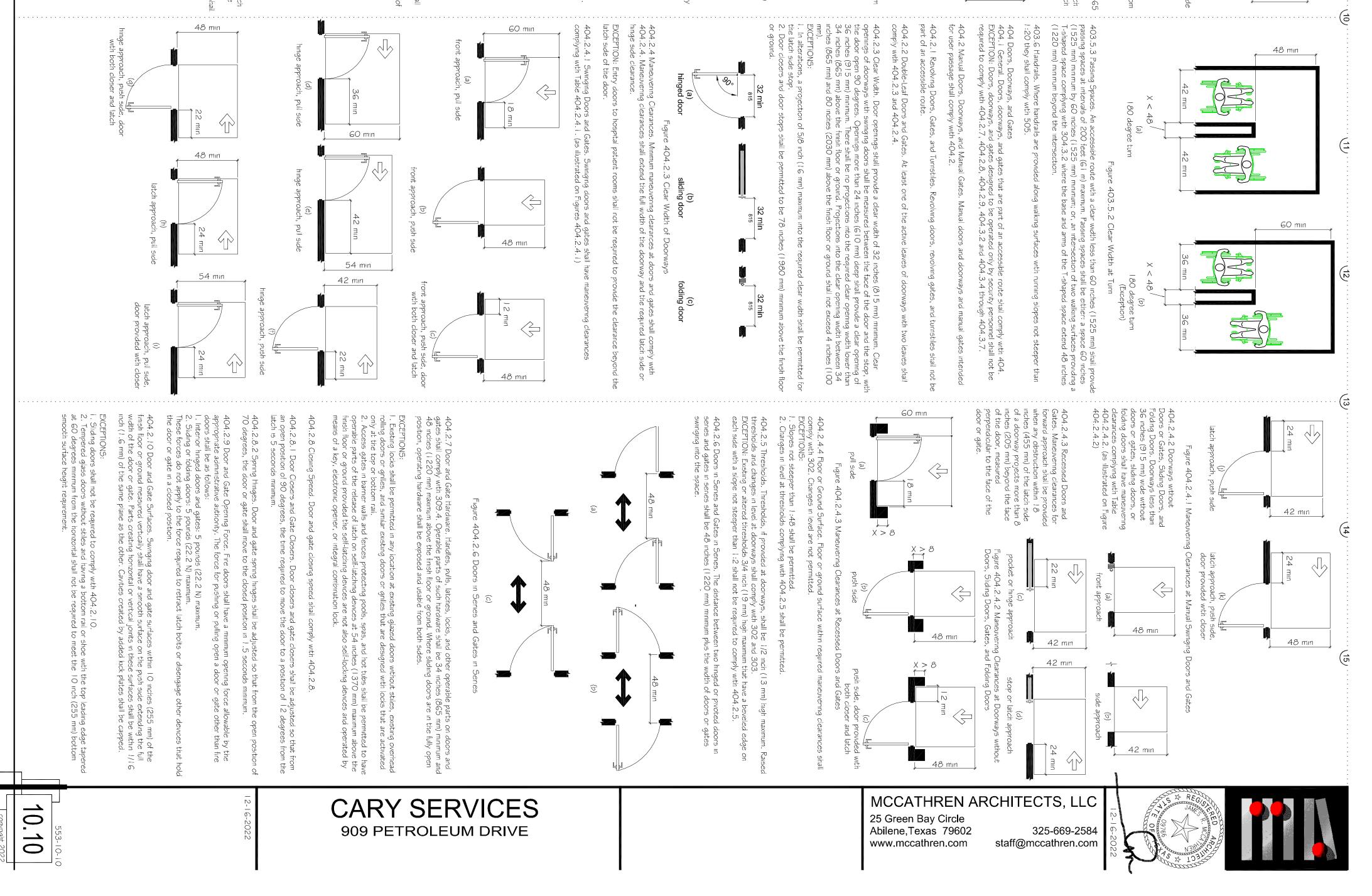


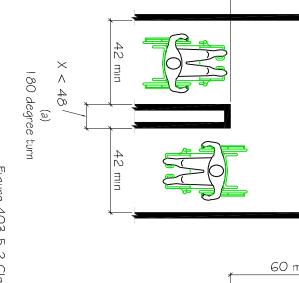
13

-14-

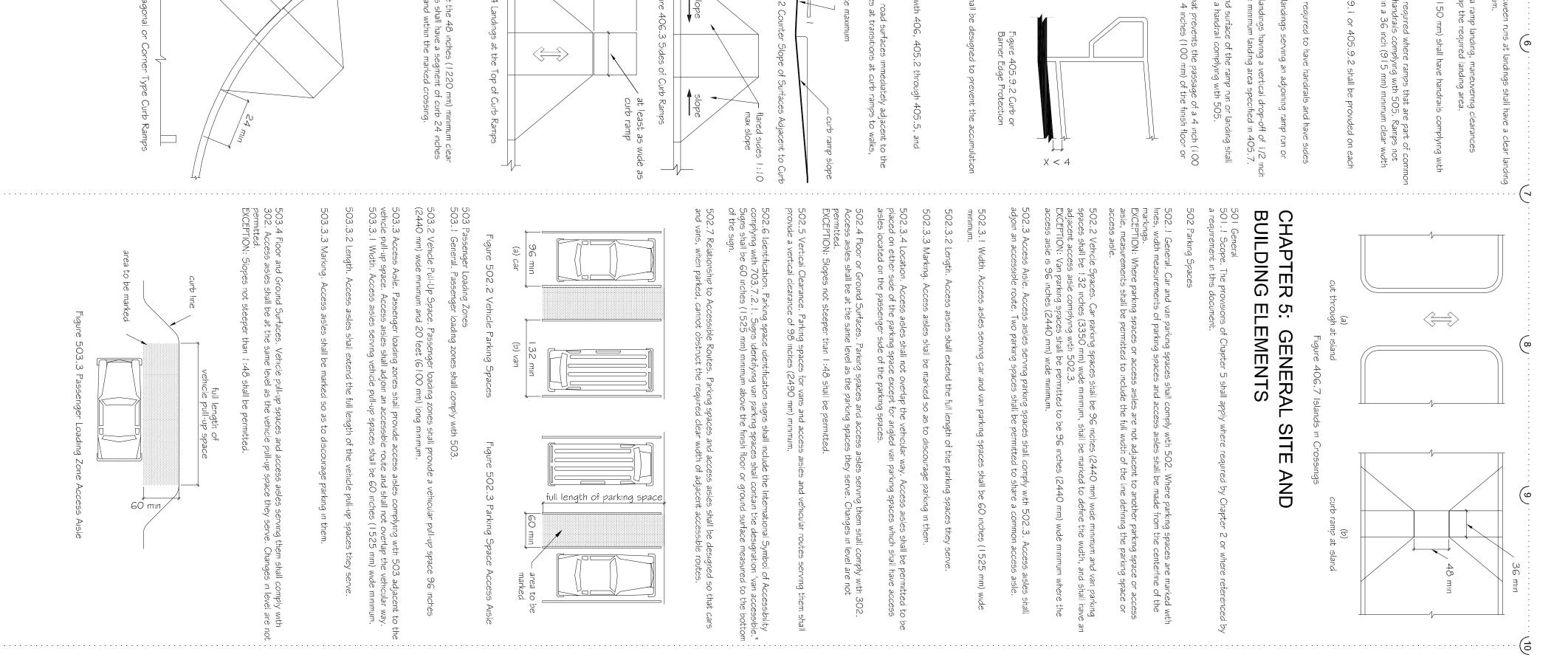
シ			$\cdots \cdots $		\square	لح المعالم معالم
	 305.7.1 Forward Approach. Alcoves shall be 36 inches (915 mm)wde minimum where the depth exceeds 24 inches (610 mm). 305.7.2 Parallel Approach. Alcoves shall be 60 inches (1525 mm) wide minimum where the depth exceeds 15 inches (380 mm). 306 Knee and Toe Clearance 306.1 General. Where space beneath an element is included as part of clear floor or ground space or turning space, the space shall not be considered as part of the clear floor or ground space. K1 ACCESSIBILITY STANDARDS APPLICABILITY STAND	 305. I General. Clear floor or ground space shall comply with 305. 305. 2 Floor or Ground Surfaces. Floor or ground surfaces of a clear floor or ground space shall comply with 302. Changes in level are not permitted. EXCEPTION: Slopes not steeper than 1:48 shall be permitted. 305. 3 Size. The clear floor or ground space shall be 30 inches (760 mm) minimum by 48 inches (1220 mm) minimum. 305.4 Knee and Toe Clearance. Unless otherwise specified, clear floor or ground space shall be permitted to include knee and toe clearance or ground space shall be permitted to include knee and toe clearance space shall adjoin an accessible route or adjoin another clear floor or ground space. 305.7 Maneuvering Clearance. Where a clear floor or ground space is located in an alcove or otherwise confined on all or part of three sides, additonal maneuvering clearance shall be provided in accordance with 305.7.1 and 305.7.2. 	 304.2 Floor or Ground Surfaces. Floor or ground surfaces of a turning space shall comply with 302. Changes in level are not permitted. 304.3.1 Circular Space. The turning space shall be a space of 60 inches (1525 mm) diameter minimum. The space shall be a permitted to include knee and toe clearance complying 24 min 406. 304.3.2 T-Shaped Space. The turning space shall be a T-shaped space within a 60 inch (1525 mm) square minimum tharms and base 36 inches (915 mm) wide minimum. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction and the base shall be clear of obstructions 24 inches (610 mm) minimum in each direction and the base or one arm. 304.4 Door Swing. Doors shall be permitted to swing into turning spaces. 305 Clear Floor or Ground Space 	 EXCEPTIONS: I. Animal containment areas shall not be required to comply with 303. 2. Areas of sport activity shall not be required to comply with 303. 303.2 Vertical. Changes in level of 1/4 inch (6.4 mm) high maximum shall be permitted to be vertical. 303.3 Beveled. Changes in level between 1/4 inch (6.4 mm) high maximum and 1/2 inch (13 mm) high maximum shall be beveled with a slope not steeper than 1:2. 303.4 Ramps. Changes in level greater than 1/2 inch (13 mm) high shall be ramped, and shall comply with 304. 304. I General. Turning space shall comply with 304. 	 and prime the child child of the ch	 (3) (General 301 General 301.1 Scope. The provisions of Chapter 3 shall apply where required by Chapter 2 or where referenced by a requirement in this document. 302 Floor or Ground Surfaces 302.1 General. Floor and ground surfaces shall be stable, firm, and slip resistant and shall comply with 302. SECEPTIONS: 1. Within animal containment areas, floor and ground surfaces shall not be required to be stable, firm, and slip resistant. 2. Areas of sport activity shall not be required to comply with 302. 302.2 Carpet. Carpet or carpet tile shall be securely attached and shall have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. Pile height shall be 1/2 inch (13 mm) maximum. Exposed edges of carpet shall be fastened to floor surfaces and shall have time on the other branch of the conset.
	Figure 307.5 Required Clear Width. Protruding objects shall not reduce routes. 307.5 Required Clear Width. Protruding objects shall not reduce routes. 308 Reach Ranges 308 Reach Ranges 308.2 Forward Reach. 308.2 Forward Reach. 308.2.1 Unobstructed. Where a forward or Side Reach is unobstructed. Where a forward reach is unobstructed, the 48 inches (1 220 mm) maximum and the low forward reach shall minimum above the finish floor or ground. 308.2.2 Obstructed High Reach. Where a high forward reach shall be 48 inches (1 220 mm) maximum and the element for a distance not less than the reach depth shall be 25 inches (1 20 mm) maximum and the reach depth shall be 25 inches (510 mm) maximum and the re	307.4 Vertical Clearance. Vertical clearance shall be provided where the vertical clearance is less than edge of such guardrail or barrier shall be located 27 inches (685 in ground. EXCEPTION: Door closers and door stops shall be permitted to be finish floor or ground.	 307.3 Post-Mounted Objects. Free-standing objects mounted or paths 12 inches (305 mm) maximum when located 27 inches (685 maximum above the finish floor or ground. Where a sign or other or greated of such sign or obstruction shall be 27 inches (685 mm) maxabove the finish floor or ground. EXCEPTION: The sloping portions of handrails serving stairs and ra 307.3. 	 306.3.3 Minimum Required Depth. Where knee clearance is required floor space, the knee clearance shall be 11 inches (280 mm) deep finish floor or ground, and 8 inches (205 mm) deep minimum at 27 ground. 306.3.4 Clearance Reduction. Between 9 inches (230 mm) and 2 or ground, the knee clearance shall be permitted to reduce at a rainches (150 mm) in height. 306.3.5 Width. Knee clearance shall be 30 inches (760 mm) wide 307. I General. Protruding objects with leading edges more than 27 inches (685 mm) and not more than 80 inches (2030 mm) above the finish floor or ground shall protrude 4 inches (100 mm) maximum horizontally into the circulation path. EXCEPTION: Handrails shall be permitted to protrude 4 i/2 inches (115 mm) maximum. 	 306.3 Knee Clearance. 306.3.1 General. Space under between 9 inches (230 mm) and (685 mm) above the finish floor shall be considered knee clearal shall comply with 306.3. 306.3.2 Maximum Depth. Knee shall extend 25 inches (635 mm) under an element at 9 inches (23 mounder an element at 9 inches (23 above the finish floor or ground abov	 306.2 Toe Clearance. 306.2.1 General. Space under an element between the finish floor or ground and 9 inches (230 mm) above the finish floor or ground shall be considered toe clearance and shall comply with 306.2. 306.2.2 Maximum Depth. Toe clearance shall extend 25 inches (635 mm) maximum under an element. 306.2.3 Minimum Required Depth. Where toe clearance is require at an element as part of a clear floor space, the toe clearance shall extend 17 inches (430 mm) minimum under the element. 306.2.4 Additional Clearance. Space extending greater than 6 inches (150 mm) beyond the available knee clearance at 9 inches (230 mm) above the finish floor or ground shall not be considered toe clearance. 306.2.5 Width. Toe clearance shall be 30 inches (760 mm) wide minimum.







$ \int_{0}^{\infty} \int_{$	E TO
$ \int \frac{d^{2}}{d^{2}} d^{2} d^{$	
	intersected Each 48 ind minimum by minimum are so that the direction of of the curb The 48 ind minimum by minimum are accessible permitted t
$\begin{aligned} & (\operatorname{const} (\operatorname{const} (\operatorname{const} (\operatorname{const} \operatorname{const} $	406.7 Is in crossin through le or have c sides. Ea have a lev (1 220 mi 36 inches minimum a
	Diagonal space w (610 mr
and agrees it with all 0: whites (255 mill of the "high flags or grand alls ine or grand all in the or grand all into or grand all in the or grand all into or grand into or grand all into or grand all into or grand all	く ヨ リ ユ エ ロ サ
construction Controls	406.5 L sides of they do lanes, pa aisles. C be wholly excluding
In stand galaxis that do not elected to writer. O notes (255 mm) of the final floor or grand shall not galaxies within 10 nucles (225 mm) of the final floor or grand shall not galaxies within 10 nucles (225 mm) of the final floor or galaxies are more stand electronic subcess company and -402. (10 provided that if added galaxies in compared shall not be regimed to compare that the pakers are expended at least one galaxies are more stands of the shall not be regimed to compare that for the final floor. Specers and galaxies the final floor or galaxies are parent essenge through the pakers are shall not be regimed to compare that for a galaxies the regimed to compare that for a galaxies that the advert the final floor. Specers are shall not be regimed to compare that for advert and floor and data with the advert that for advert and floor and data with the advert that for advert and floor and floor specers and galaxies in the galaxies are parent and galaxies in the galaxies and floor and galaxies are parent and galaxies within the advert to advert and galaxies in the galaxies and galaxies are parent and galaxies are parent and galaxies and galaxies are parent and galaxies and galaxies are parent and galaxies are parent and galaxies are parent and galaxies are parent and galaxies and gala	leading to EXCEPTIU IS no lan curb ram shall not
to add gates that do not extend to writer 10 incress (255 mm) of the finale floor or ground shall not and doors are gates under local surveys surfaces within 10 indress (255 mm) of the finale floor or sparts for permit evelop. Sincess and use lights adjustent to peops or gates, containing one or envoy grants for permit evelop. The parties shall adjustent to peops or gates, containing one or envoy sparts for permit evelop. The parties shall adjustent to peops or gates, containing one or envoy evelopee a restruct adjustent the permit evelop. (1675 mm) from the finale floor or shall not: are required to any writ 40-4.2. 11. 400.5 400	406.4 provide landing (915 m width s
 rs and gates that do not extend to writhin / 0 notives (255 mm) of the finant floor or ground shall not any provide survey with 404.2, 110. H Vision Lights, Doors, gates, and sell lights adjacent to doors or gates, containing one or more gates that remins weining through the panets shall have to exponent of all least one glazad panel floor or shall not be required to comply with 404.2, 111. Automatic and Pour-Assand Doors and Gates. Auto-ratic choos and alternatic gates shall comply with 404.2, 111. Automatic and Pour-Assand Doors and Gates. Auto-ratic choos and alternatic gates shall comply with 404.2, 111. Automatic and Pour-Assand Doors and Gates. Auto-ratic choos and alternatic gates shall comply with 404.2, 111. Automatic and Pour-Assand alternatic door shall comply with 404.2, 111. Automatic and Pour-Assand Doors and Gates. Auto-ratic choos and alternatic gates shall comply with 404.2, 111. Automatic alternatic doors and Jones and Gates. Auto-ratic choos and alternatic gates shall comply with 404.2, 111. Automatic and Pour-Assand alternatic door systems in a convexity shall be based on the gates shall comply with 404.2, 111. Automatic and Pour-Assand alternatic gates in power-on extended by reference. See Referenced Standards¹¹ in extended at the gates and gates in the power and gates in some shall comply with 404.2, 4. Clari Watti 404.2, 4. Clari Watti 404.2, 4. Clari Watti 404.2, 4. Clari Watti 404.2, 4. Clari Matti 404.2, 4. Clari Ma	406.3 provide steepe
 rs and gates that ac not extend to within 10 inches (255 mm) of the final floor or ground shall not end to comply with 404.2.10. (1) Vision lupits. Doers, gates, and ade lights adjacent to doors or gates, containing one or index gates that permit weight out by such led parkets are carped. (1) Vision lupits. Doers, gates, and ade lights adjacent to doors or gates, containing one or index gates that permit weight on gates that not end is ball have the bottom of at least one glazed by such led parket star carped. (1) Vision lupits. Doers, gates, and ade lights adjacent to doors or gates, containing one or index gates (1050 mm) haven up above the finely floor. (2) Tul-provinced starting the parket shall comply with 404.2.110 provided that floaded to comply with 404.2.111. Low-energy and power-seaded doors and least one glazed by complex 10.1. Low-energy and power-seaded doors and care weight on the finely floor or sub-energy and power-seaded doors and care or integer provide by all exempts of 10.1. Low-energy of 32 inches (1015 mm) from the finely libor or sub-energy and power-seaded doors and gates in a doorway shall be based on the sub-energy frowded by all exempts of the automatic doors and gates in a doorway shall be based on the sub-energy frowded by all exempts of the automatic doors and gates in the power-assisted doors and gates are append with 404.2.4. (1) Clan With. Doorways shall nerve a gates remain open in the power-off conditor, compliance with 404.2.4. (2) Thresholds. Threetolds and charges in level at doorway shall comply with 404.2.5. (3) Thresholds. Threetolds and charges in level at doors and gates in seres shall comply with 404.2.4. (4) Cost with 404.2.4. (4) Cost with 404.2.4. (5) Controls. Manually operated controls shall comply with 309. The clear floor space adjacent to the final floor or sub-anding doors, neolyng doers, neolyng dots, and turnstiles. (5) Deak Out. Depeng. When doors an	406.1 405.1 406.2 curb ra
 rs and gates that do not extend to within 10 inches (255 mm) of the finish floor or ground shall not for an group with 404 2, 10. ring doors and gates without smooth surfaces within 10 inches (255 mm) of the finish floor or small not be required to provide smooth surfaces complying with 404.2, 10 provided that if added real are are installed, cavites created by such kick pates are capred. 11 Vision lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more pareds that permit viewing through the parels shall how. 123 inches (1030 mm) maxima alove the finish floor. 130 inches (1020 mm) maxima alove the finish floor. 143 inches (1030 mm) rakema floor shall alove the finish floor. 144 inches (1030 mm) rakema floor (1 chapter 12, 11. 150 Nutsion lights with the lowest part more than 66 inches (1 675 mm) from the finish floor or size. 141 inches (1020 mm) rakema floor (1 chapter 12, 11. 150 Nutsion lights with the lowest part more than 66 inches (1 675 mm) from the finish floor or use of the finish floor or 2002 edition) (incorporated by reierence, see "Reference. 150 Nutsion lights with the lowest part in chapter 11. Incerentry and power-assisted doors shall comply with addites. 160 Nutsion provided by all leaves in the open position. 17 Caar Midth: Doorway shall provid a clear open in the power-off condition, compliance with 404.2.4. 19 Thresholds. Thresholds and changes in level at door ways shall comply with 404.2.5. 40 Doers in Sense and Gates in Sense. Doors in series and gates in series shall comply with 404.2.6. 40 Sontrols. Manually operated controls shall comply with 309. The clear floor space adjacent to the shall on the required. 40 Sontrols. Manually operated controls shall comply with 309. The clear floor space adjacent to the shall on the required. 40 Sontrols. Manually operated controls shall comply with 309. The	405.1 of wat 406 C
 rs and gates that do not extend to within 10 inches (255 mm) of the finish floor or ground shall not and gates without smooth surfaces within 10 inches (255 mm) of the finish floor or shall not be required to provide smooth surfaces complying with 404.2.10 provided that if added respect 11 Vision lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more shall not be required to comply with 404.2.11. Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.2.11. Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.2.11. Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.2.11. Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.2.11. Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.2.11. Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.2.11. Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.2.12. Automatic and Power-Assisted Doors and Gates. Automatic door systems in a doonway shall be based on the since or respective automatic doors and gates without standby power and sets in seres and gates in the open prosition. Clear Width: Doonways shall provide a clear opening of 32 inches (015 mm) minimum in power and automatic doors and gates without standby power and sets in seres shall comply with 404.2.4. Clear Width: Doonways and gates remain open in the power-off condition, compliance with 405.2. Clear Width: Assist and changes in level at doorways shall comply with 404.2.5. A Doors in Senes and Gates in Senes. Doors in seres and gates in seres shall comply with 404.2.5. S Ontrols. Manualy operated cont	
 rs and gates that do not extend to within 10 inches (255 mm) of the finish floor or ground shall not comply with 404.2.10. fing doors and gates without smooth surfaces within 10 inches (255 mm) of the finish floor or ground shall not gain in the required to provide smooth surfaces complying with 404.2.10 provided that if added that if added that if added that if added sinches (1000 mm) maximum above the finish floor. 11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more parels that permit weight the parels shall not be required to comply with 404.2.11. Autonatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.2.11. Autonatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.2.11. Autonatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.2.11. Autonatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with side information of a least one glazed by such that a solution of an equival automatic doors shall comply with 404.2.11. Autonatic and Power-Assisted Doors and Gates. Automatic door systems in a doorway shall comply with side in a provide a clear opening of 32 inches (15 mm) minimum in power-on errors and gates without standby power and serving an accessible means of egress shall not be required. 2. Maneuvening Clearance. Clearances at power-assisted doors and gates in a doorway shall be based on the stan senies and ones and gates in the open position. 3. Thresholds. Thresholds and changes in level at doorway shall comply with 404.2.5. 4. Doors in Senies and Gates in Senies. Doors in series and gates in series shall comply with 404.2.5. 4. Doors in Senies and Gates in Senies. Doors in series and gates in series shall comply with 405.2.5. 	
 rs and gates that do not extend to within 10 inches (255 mm) of the finish floor or ground shall not ing doors and gates without smooth surfaces within 10 inches (255 mm) of the finish floor or ground shall not be required to provide smooth surfaces complying with 404.2.10 provided that if added requires are installed, cavities created by such kick plates are capped 11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more planels that permit viewing through the panels shall have the bottom of at least one glazed panel [405 inches (1090 mm) maximum above the finish floor. 10N: Vision lights with the lowest part more than 66 inches (1675 mm) from the finish floor or shall not be required to comply with 404.2.11. Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply when the lowest part more than 66 inches (1675 mm) from the finish floor or subject shall not be required to comply with 404.2.11. Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.2.10 (incorporated by incorporated by incorporated by reference, see "Referenced Standards" in Chapter 1). Low-energy and power-assisted doors shall comply with side times finder. The minimum clear width for automatic door systems in a doorway shall be based on the site in a site open position. 1 Clear Width. Doorways shall provide a clear opening of 32 inches (815 mm) minimum in power-on exception. 2. Zi Manewering Clearance. Clearances at power-assisted doors and gates shall comply with 404.2.4. 10N: Where automatic doors and gates remain open in the power-off condition, compliance with 404.2.4. 10N: Where automatic doors and gates remain open in the power-off condition, compliance with extend standards. 405 	mm) ar ground
 rs and gates that do not extend to within 10 inches (255 mm) of the finish floor or ground shall not 60 m find oors and gates without smooth surfaces within 10 inches (255 mm) of the finish floor or shall not be required to provide smooth surfaces complying with 404.2.10 provided that if added tes are installed, cavities created by such kick plates are capped 11 Vision Lights. Doors, gates, and side lights adjacent to doors or gates, containing one or more panels that permit viewing through the panels shall have the bottom of at least one glazed panel 143 inches (1090 mm) maximum above the finish floor. 100. 'Vision lights with the lowest part more than 66 inches (1675 mm) from the finish floor or shall not be required to comply with 404.2.11. Automatic and Power-Assisted Doors and Gates. Automatic doors and automatic gates shall comply with 404.2.11. Automatic and Powered standards' in Chapter 1). Low-energy and power-assisted doors shall comply with side wither in core 2002 edition) (incorporated by reference, see "Referenced Standards' in Chapter 1). Low-energy and power-assisted doors shall comply with side in the print power-on shall provide a clear opening of 32 inches (815 mm) minimum in power-on complement ground by all leaves in the open position. 1. Clear Width. Doorways shall provide a clear opening of 32 inches (815 mm) with 404.2.4. 1. Clear Width. Coorways shall provide a clear opening of 32 inches (815 mm) with 404.2.4. 2. Extension and gates without standby power and serving an accessible means of egress and site as a power-assisted doors and gates shall comply with 404.2.4. 3. Extension and gates without standby power and serving an accessible means of egress and serving an accessible means of egress 405 	extend 405.0
 hat do not extend to within 10 inches (255 mm) of the finish floor or ground shall not gates without smooth surfaces within 10 inches (255 mm) of the finish floor or go in the gates without smooth surfaces complying with 404.2.10 provided that if added gates, cavities created by such kick plates are capped hat of the finish floor or gates, and side lights adjacent to doors or gates, containing one or more singlying with the panels shall have the bottom of at least one glazed panel (090 mm) maximum above the finish floor. hat boors and Gates. Automatic doors and automatic gates shall comply with 404.2.11. hat boors and Gates. Automatic doors and automatic gates shall comply with side group or 2002 edition) (incorporated by reference, see "Referenced Standards" in EXCE 1. Ece 	2. Edd stairwy 3. Edd (13 mi
und shall not 405. oor or 405. hat if added requir one or more 505. ed panel EXCE floor or use c subje	405.9 side of EXCEPT
und shall not 405. oor or 405. hat if added requir	505. EXCEPT use circ subject when ha
	יבָּיּ בּיּ



505.10 Handrail Extensions. Handrail gripping surfaces shall extend flights and ramp runs in accordance with 505.10.
EXCEPTIONS:
I. Extensions shall not be required for continuous handrails at the ins and ramps.
2. In assembly areas, extensions shall not be required for ramp handi handrails are discontinuous to provide access to seating and to perrist.
3. In alterations, full extensions of handrails shall not be required what due to plan configuration. mm) minimum below the bottom of the handrall gripping surface.
EXCEPTIONS:
I. Where handrails are provided along walking surfaces with slopes in handrail gripping surfaces shall be permitted to be obstructed along to crash rails or bumper guards.
2. The distance between horizontal projections and the bottom of the be reduced by 1/8 inch (3.2 mm) for each 1/2 inch (1.3 mm) of addit exceeds 4 inches (100 mm). 504.5 Nosings. The radius of curvature at of the tread shall be 1/2 inch (13 mm) may that project beyond risers shall have the L leading edge curved or beveled. Risers sh to slope under the tread at an angle of 30 maximum from vertical. The permitted provi-505 Handrails 505.1 General. Handrails p with 405, and required at s maximum from vertical. The p nosing shall extend 1 1/2 in tread below. 505.10.1 Top and Bottom Ext 12 inches (305 mm) minimum be guard, or the landing surface, c 505.6 Gripping Surface. obstructed along their top more than 20 percent of 505.7.1 Circular Cross Sectio surfaces with a circular cross si outside diameter of 1 1/4 inchi inches (51 mm) maximum. 505.5 Clearan (38 mm) minimi 504.7 Wet Con accumulation of v 503.5 Vertical Clears entrance to the passe a vertical clearance of 505.4 Height. (965 mm) maxir consistent heig 504.6 Han 505.10.2 Top Extension at Stairs. At the top of a stair flight, ha landing for 12 inches (305 mm) minimum beginning directly above return to a wall, guard, or the landing surface, or shall be continu-flight. 505.9 Fittings. Handrails shall 505.8 Surfaces. Handrall gripping surfaces and . abrasive elements and shall have rounded edges. 505.7.2 Non-Circular Cross Sections. Handrail gripping surfaces with a non-circular cross section shall have a perimeter dimension of 4 inches (100 mm) minimum and 6 1/4 inches (160 mm) maximum, and a cross-section dimension of 2 1/4 inches (57 mm) maximum. 505.7 Cro 505.7.2. EXC 505.2 Where Required. Handrails shall be provided on both side: EXCEPTION: In assembly areas, handrails shall not be required on is provided at either side or within the aisle width. 504 Stairways 504.1 General. Stairs shall comply with 504. 504.3 Open Risers. Open 504.2 Treads and Risers. All steps on a flight of stairs shall have depths. Risers shall be 4 inches (100 mm) high minimum and 7 in 1 inches (280 mm) deep minimum. 05.3 Continuity. Handrails shall be continuous within the full leng andrails on switchback or dogleg stairs and ramps shall be contir XCEPTION: In assembly areas, handrails on ramps shall not be re 04.4 Tread Surface. Stair treads shall comply with 302. Jhanges in level are not permitted. XCEPTION: Treads shall be permitted to have a slope not teeper than 1:48. Figu) perc nce. Cle; 'um. S Top lls. Stairs 505 nditions. ⁻ water. earance. Vehicle pull-up spac issenger loading zone, and fr e of 1.14 inches (2895 mm) cent / the of gripping vertically ab ΰ Ц Handrall gripping surfaces s tops or sides. The bottoms o of their length. Where provide bottom of the handrall gripping St S π^{ω} 34-38 📐 ord Dud . Extension at Ramps. Ramp handrails s in beyond the top and bottom of ramp ie, or shall be continuous to the handr ttion. Handrail gripping 5 section shall have an 1ches (32 mm) minimum a Ы angle nitted 5 (38 t not rotate within th $\overline{\Box}$ gripp led are tted to have a slope not ture at the leading edge im) maximum. Nosings e the underside of the sers shall be permitted e of 30 degrees d projection of the 8 mm) maximum over the , at , maxir , maxir not pe jure 505.4 Ha N BU گ 5 of handrails shall be 34 in King surfaces, stair nosings, is, stair nosings, and ramp : with 504 rail gripping su 8 aces, access . I from the pass n) minimum 34-38 nitted. g amps any s shall be , 5 of handra 1ded, horiz 1pling surfac ing with 505. and 2 rfaces 4 shall fittings ict to Figure ! Below (8 8 cont 'ail gr adj

(=

copyright 2022		
10.11	Figure 604.3.1 Size of Clearance at Water Closets	
553-10-10	, <u>56 mm</u>	ous to the handrail of an adjacent stair
	or obstructions shall be located within the required water closet clearance.	shall extend horizontally above the landing for pruns. Extensions shall return to a wall, ail of an adjacent ramp run. andrails shall extend horizontally above the
	wall. 604.3.2 Overlap. The required clearance around the water closet shall be p closet, associated grab bars, dispensers, sanitary napkin disposal units, coa routes, clear floor space and clearances required at other fixtures, and the t	where such extensions would be hazardous
12-16-2022	604.3 Clearance. Clearances around water closets and in toilet compartments shall comply with 604.3. 604.3.1 Size. Clearance around a water closet shall be 60 inches (1525 mm) minimum measured perpendicular from the side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear	Inside turn of switchback or dogleg stairs
	Incres (433 mm) maximum from the side wall or partition,wheelchairambulatoryexcept that the water closet shall be 17 inches (430 mm)accessibleaccessibleaccessibleminimum and 19 inches (485 mm)maximum from the side wallaccessibleaccessibleaccessibleor partition in the ambulatory accessible toilet compartmentspecified in 604.8.2. Water closets shall be arranged for aFigure 604.2 Water Closet Location	ind beyond and in the same direction of stair
	604.2 Location. The water closet shall be positioned with a up 1.5 minimum to 1.8 (a) (b) $17-19$	Figure 505.7.2 Handrall Non-Circular Cross Section Cross Section
	604.1 General. Water closets and toilet compartments shall comply with 604.2 through 604.8. EXCEPTION: Water closets and toilet compartments for children's use shall be permitted to comply with 604.9.	
	603.4 Coat Hooks and Shelves. Coat hooks shall be located within one of the reach ranges specified in 308. Shelves shall be located 40 inches (1015 mm) minimum and 48 inches (1220 mm) maximum above the finish floor. 604 Water Closets and Toilet Compartments	4-61/4 perimeter
RVIC um dr	603.3 Mirrors. Mirrors located above lavatories or countertops shall be installed with the bottom the reflecting surface 40 inches (1015 mm) maximum above the finish floor or ground. Mirrors not above lavatories or countertops shall be installed with the bottom edge of the reflecting surface 39 (890 mm) maximum above the finish floor or ground.	505.6 Porizontal Projections Sripping Surface ss section complying with 505.7.1 or
	not for common use or public use shall be permitted to swing into the clear floor space or clearance provided the swing of the door can be reversed to comply with 603.2.3. 2. Where the toilet room or bathing room is for individual use and a clear floor space complying with 305.3 is provided within the room beyond the arc of the door swing, doors shall be permitted to swing into the clear floor space or clearance is provided within the room beyond the arc of the door swing.	
	603.2.3 Door Swing. Doors shall not swing into the clear floc Doors shall be permitted to swing into the required turning sp EXCEPTIONS: L. Doors to a tollet room or bathing room for a single occupar	
	603.2.2 Overlap. Required clear floor spaces, clearance at fixtures, and turning space shall be permitted to overlap.	ong their entire length where they are integral of the gripping surface shall be permitted to dditional handrail perimeter dimension that
	603.2.1 Turning Space. Turning space complying with 304 shall be provided within the room.	2
	603 Toilet and Bathing Rooms 603.1 General. Toilet and bathing rooms shall comply with 603. 603.2 Clearances. Clearances shall comply with 603.2.	inuous along their length and shall not be ipping surfaces shall not be obstructed for I projections shall occur 1 1/2 inches (38
	602.7 Drinking Fountains for Standing Persons. Spout outlets of drinking fountains for standing persons shall be 38 inches (965 mm) minimum and 43 inches (1090 mm) maximum above the finish floor or ground.	t and adjacent surfaces shall be 1-1/2 inches
	maximum maximum	(c) alking surfaces
	maximum. Where spouts are located between 3 inches (75 mm) and 5 inches (125 mm) maximum from the front of the front of the Figure 602.5 Drinking	<u>34</u>
	A inches (100 mm) high minimum and shall be located 5 inches (125 mm) maximum from the front of the unit. The angle of the water stream shall be measured horizontally relative to the front face of the unit. Where spouts are located less than 3 inches (75 mm) of the front of the unit	
25 Gr Abiler	5 inches (125 mm) maximum from the front edge of the unit, including bumpers.	nches (865 mm) minimum and 38 inches 5, and ramp surfaces. Handrails shall be at a 9 surfaces.
CATH een Bay ne,Texa mccathi	602.4 Spout Height. Spout outlets shall be 36 inches (915 mm) maximum above the finish floor or ground. 602.5 Spout Location. The spout shall be located 15 inches (380 mm) minimum from the vertical support and	nuous between flights or runs. guired to be continuous in aisles serving
y Circle is 7960	602.3 Operable Parts. Operable parts shall comply with 309.	Jth of each stair flight or ramp run. Inside
I ARCHI	602.2 Clear Floor Space. Units shall have a clear floor or ground space complying with 305 positioned for a forward approach and centered on the unit. Knee and toe clearance complying with 306 shall be provided. EXCEPTION: A parallel approach complying with 305 shall be permitted at units for children's use where the spout is 30 inches (760 mm) maximum above the finish floor or ground and is 3 1/2 inches (90 mm) maximum from the front the fort be unit, including bumpers.	ring with 403, required at ramps complying with 505. S of stairs and ramps.
	602 Drinking Fountains 602.1 General. Drinking fountains shall comply with 307 and 602.	conditions shall be designed to prevent the
S, LLC 669-2584 thren.com	601 General 601.1 Scope. The provisions of Chapter 6 shall apply where required by Chapter 2 or where referenced by a requirement in this document.	curved beveled nosing nosing Figure 504.5 Stair Nosings
4	CHAPTER 6: PLUMBING ELEMENTS AND FACILITES	(c) (d)
	505.10.3 Bottom Extension at Stairs. At the bottom of a stair flight, handrails shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extension shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.	(a) (b) radius of tread edge angled (typical for all profiles) riser
ALCONTRACTOR	Figure 505.10.1 Top and Bottom Figure 505.10.2 Top Handrail Figure 505.10.3 Handrail Extension at Ramps Extension at Stairs Extension at Stairs Extension at Stairs	30° max
	Note: X = tread	e uniform riser heights and uniform tread ches (180 mm) high maximum. Treads shall be
		serving them, and a vehicular route from an loading zone to a vehicular exit shall provide
	3	(12)

		og de construction of the		en and sha barron con barron con	$ \begin{array}{c} \bullet \\ \bullet $
	.8.1.3 Approa nand or right-ha nand or right-ha partition shall p minimum above sive of partition licen's use shall p minimum above spriloN: Toe clain compartment give mounted water of required in a wide. Toe clean mpartment for of 50 mm) deep.	.8.1.2 Doors. approach is to t sartment and ar tion or in the si door opening si door opening si door opening si so f the door n. so f the door n.	.8 Toilet Comp. .8.1 and 604.: ulatory accessib .8.1.1 Wheelchau .8.1.1 Size. W sured perpendic sured perpendic sured perpendic the rear wall. Wh nor rear wall. Wh nor measured pate	.6 Flush Contro comply with 30 latory accessib .7 Dispensers. .9 vith 309.4 minimum and 9 cof the water c erline of the dis erline of the dis erline of the dis erline of the dis erline of the dis nothes (122 48 inches (122 48 inche	d position. EPTIONS: water closet in mon use or pub 1.5 Grab Bars. I rab bars shall in pugh a private or ungh a private or ough a private or shall bars shall in that are speci that are speci 5 mm) maximum 5 mm) maximum 5 mm) maximum 5 none side num and extend ie water closet num on one side 2 PTIONS: EPTIONS: e rear grab bar e 24 inches (6 num, centered of here an adminis here an adminis
ACCE	ch. Compartme and approach tr arance. The from provide a toe of the finish floor compartment reater than 62 loset or 65 incompartment compartment of compartment of children's use t	Toilet compart the latch side c ny obstruction nde wall or part hall be 4 inches ed in the side the latch. 1	partments. Whe .8.3. Compartment Ible compartment In Accessible C. In Accessible C. In Accessible SId Icular to the SId	ols. Flush controls 29. Flush controls and shall be 7 and shall be 7 inches (230 m loset measure loset measure 20 mm) maximu not be locate iall not be of a that does not ow.	1 a toilet room a toilet room Slic use shall no Grab bars for v the water clos the side and not fill correction facili- correction facili- correction facili- correction facili- correction facili- ies (915 mm) long 1 2 inches (30 From the centu- ies (915 mm) long 1 2 inches (30 in the rear wall si is and 24 inche on the other si on the other si on the water close strative authont side of the to side of the to
SSIBIL	nts shall be arr o the water clo and partition an ilearance of 9 i side face of th bers. Compart bers. Compart bers. Compart learance of 12 Inches (1575 inches (1575 inches (1575 inches (1575 inches (1575) hat is greater than 66 ont partition is hat is greater t	nun hung set Figure 604 Accessible Accessible Accessible ition farthest fi (100 mm) mai (100 mm) mai self-closing oilet compartition	elchair accessib ents containing nts shall comply suble compartn deep minimum deep minimum able compartm o the side wall, o the side mall,	rols shall be har rols shall be loc rols shall be loc the loc inches shall inches shall inches (180 inn) maximum in d to the d to the utlet of the outlet of the utlet of the bove the type that sallow	incontraction of a single och to be required to to be installed or common use in the installed in the installed tres, grab bars thes, grab bars the bar shall b arline 5 mm) 5
ITY ST,	anged for set. set. 150 mm) deep 150 mm) deep e partition, nents for inches (305 inches (305 inches (305 inches (1675 inches (1675 han 65 inches) han 65 inches	adul adul adul Toilet Companient door, clea nent door, clea nent door pull cc annum from the door pull cc shall	ile toilet compa 3 more than one 4 with 604.8.2 Wheelchair acce Wheelchair acce Inches (1420 inches (1420 inches (1420 inches (1420 inches for childre and 59 inches for childre and 59 inches	ated on the op nth 604.8.2.	ncheck of the second provided of the second point accesse o comply with a comply with a comply with a control of grab bars on of grab bars on public use point of grab bars ons for public use point of grab bars inches (9 I 5 m inches (9 I 5 m incher for for fi
ANDAF	Figure 60	(b) Ind children's with an and children's with an and children's with an	artments shall n e plumbing fixtu sssible compart SO inches (152 SO inches (152 mm) deep minin mm) deep minin ted water close sn's use shall be (1500 mm) de (1500 mm) de r wall.	automatic. Hai sen side of the 7-9	ed only through 604.4. min for a single of provided that is scomplying wit sees of suicide p i 065 mm) long (1 370 mm) min (1 370 mm) min (1 370 mm) min ter Closets Side Wall ter Closets flush valves to t flush valves to t
RDS AF	4.8.1.2 Wheeler the transmission of transmission of the transmission of transmissi	min min d water closet ater closet ater closet the door side ocated in the focation ocated in the focation of the minimum r	neet the requir re shall comply ments shall co num for wall hui ets measured p ecp minimum fo	nd operated flu water closet e	a private offic ars shall be pro sufforcement ha h 604.5. h 604.5. revention. installed in hous revention. figure 604.5. Bar at Water (bar (bar at water (bar (ba
PLICA	ors elchair Access 42 min	- - - - - - - - - - - - - - - - - - -	ements of / with 603. / mply with ng water ng water 525 mm) wide 525 mm) wide or wall hung and	ser Outlet Loca	and not for seed only as been installe as been installe rear wall. <u>min</u> 2 Rear Wall Gr. Closets on of a recesse
BLE TO	shall of 606. 606. 606. 606. 606. 800 2. Al and n and an and n and an and an and an and an and an and an and an an an an an an an an an an an an an a	app face 600 000 000 000 000 000 000 000 000 00	604.9. The cent from the inches (specifice closet. 604.9.2 mm) max shall con floor. Fl	604.9 Childre for child Gra Dis	604.8.1.5 604.8.1.5 be provided complying v 604.8.2 A 604.8.2 A 604.8.2.1 604.8.2.2 the approad compartmen door pull co compartmen 604.8.2.3 604.8.2.3 604.8.2.3 604.8.2.3 604.8.2.3 604.8.2.3 604.8.2.3 604.8.2.3 604.8.2.3 604.8.2.3 604.8.2.3 604.8.2.3 604.8.2.3 604.8.2.3
ALL T	oly with 309. tories and Sin ear Floor Spa toe clearance NS: intional range is or common us clearance of and sinks use 85 mm) maxim liel approach of years and yo of the overfil of the overfil re than one bo with 306. y with 306. y with 306. y with 306.	ients complyin Dispensers. T. and 9 inches (2 7. The outlet or above the finisi ensers shall no Toilet Compar als eneral. Urinals or the wall-hu 30 mm) maximu d. Urinals shall or minimum meas ne urinal nim to lear Floor Spa- lear Floor Spa- lush Controls.	Location. The siline of the wa side wall or pa 85 mm) maximu in 604.8.2. Cle Clearance. Cle Clearance. Cle Height. The he num measured num measured sh controls she sh controls she	Water Closets a dren's Use. Water o Advisory Spec Advisory Spec ter Closet Cer let Seat Height penser Height	ele Figure 6 Grab Bars 4 and shall with 604.5 Doors. Tc Ch is to the th and any mbulatory, mbulatory, mbulatory, mbulatory, mbulatory, mbulatory, mbulatory, mbulatory, mbulatory, mbulatory, mbulatory, mbulatory, crab Bars c-wall grab c-wall grab c-wall grab c-wall grab c-wall grab c-wall grab
RADES	and sinks A clear fic plying with provided in or bath public use inarity by bove the sr. shall not b shall not b	n 604.8 paper d paper d dispens of a type of a type of a type with pe with pe with rinals sh pe with ack of t vack of t	ater closet er closet sh ition, except i from the si mpartments mpartments rance aroun flush contro flush contro flush contro be located	and Toilet Com closets and toi comply with 60 nterline Ag nterline I	rm s s s ult located on cessible Com cessible Com cessible Com compartme atch side of t st compartme atch side of the rac complying in li not swing in li not swing in costruction sha atch side of the shall bars sha the sides of the cace of the
	$r_{\rm c}$	shall b shall b shall b that c compa	shall be locate nall be 12 inch to that the wall or par s shall be arran id a water close t and shall be hal of shall be hal on the open s	iompartments for tollet compartme 604.9 or Water Closets Ages 3 and 4 I 2" I 2" I 8" to 12" I 8" to 20" I 4"	(b) elevation children eelchair Accessil ovided. in the wall closess ovided. inminimum and 37 into the minimum function the minimum function the minimum hall be placed o into the minimum hall comply with a with 604.5.1 the compartment coat hooks shal ranges specified inches (1015 minimum maximum above -

itted to lavato

s shall not be exce oplied at any point

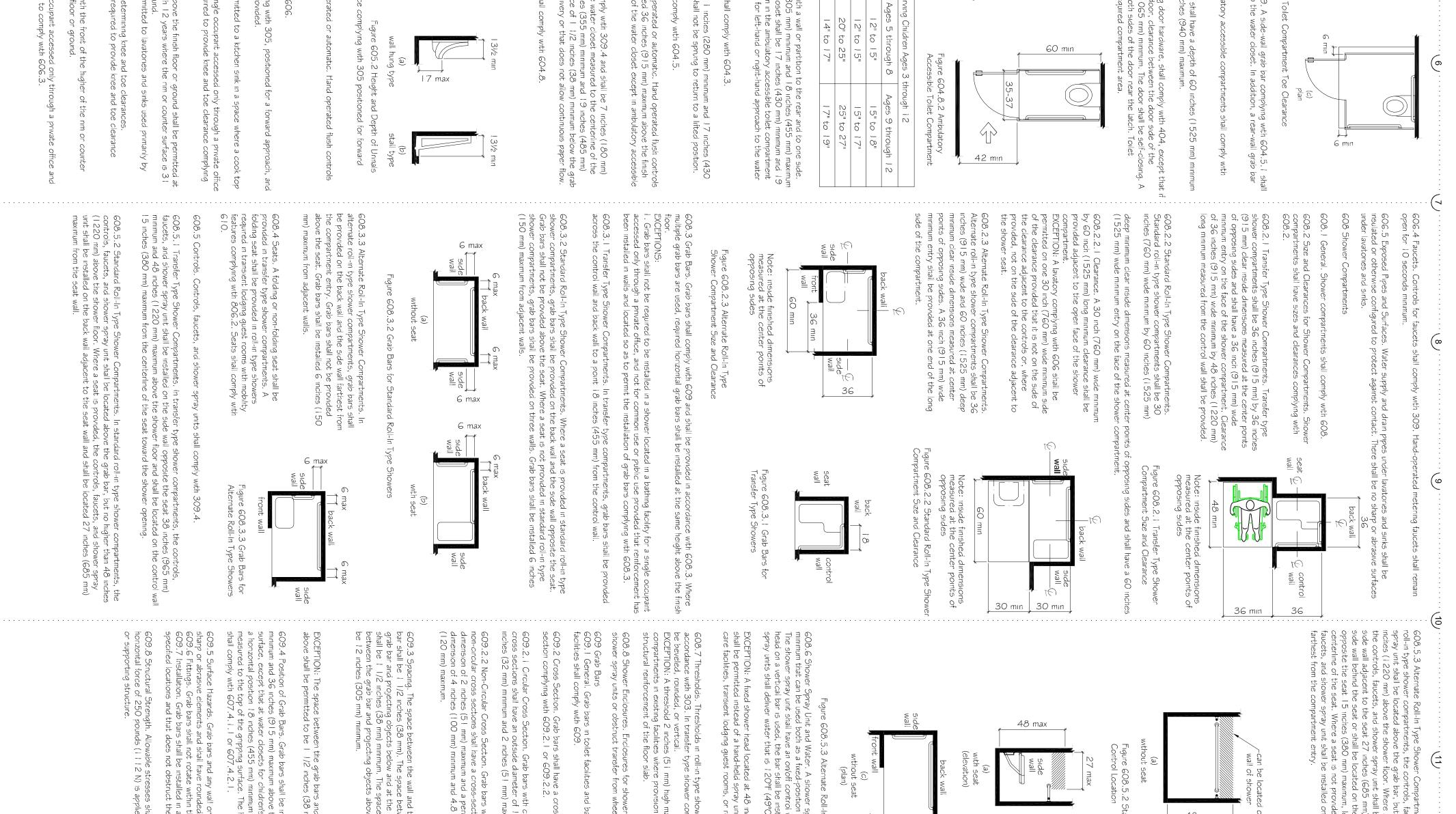
N.T.S.

ove the finish flu 12 years wher nd

igle occupant ac ired to provide

tted to a kitc

ng with 305, ovided.



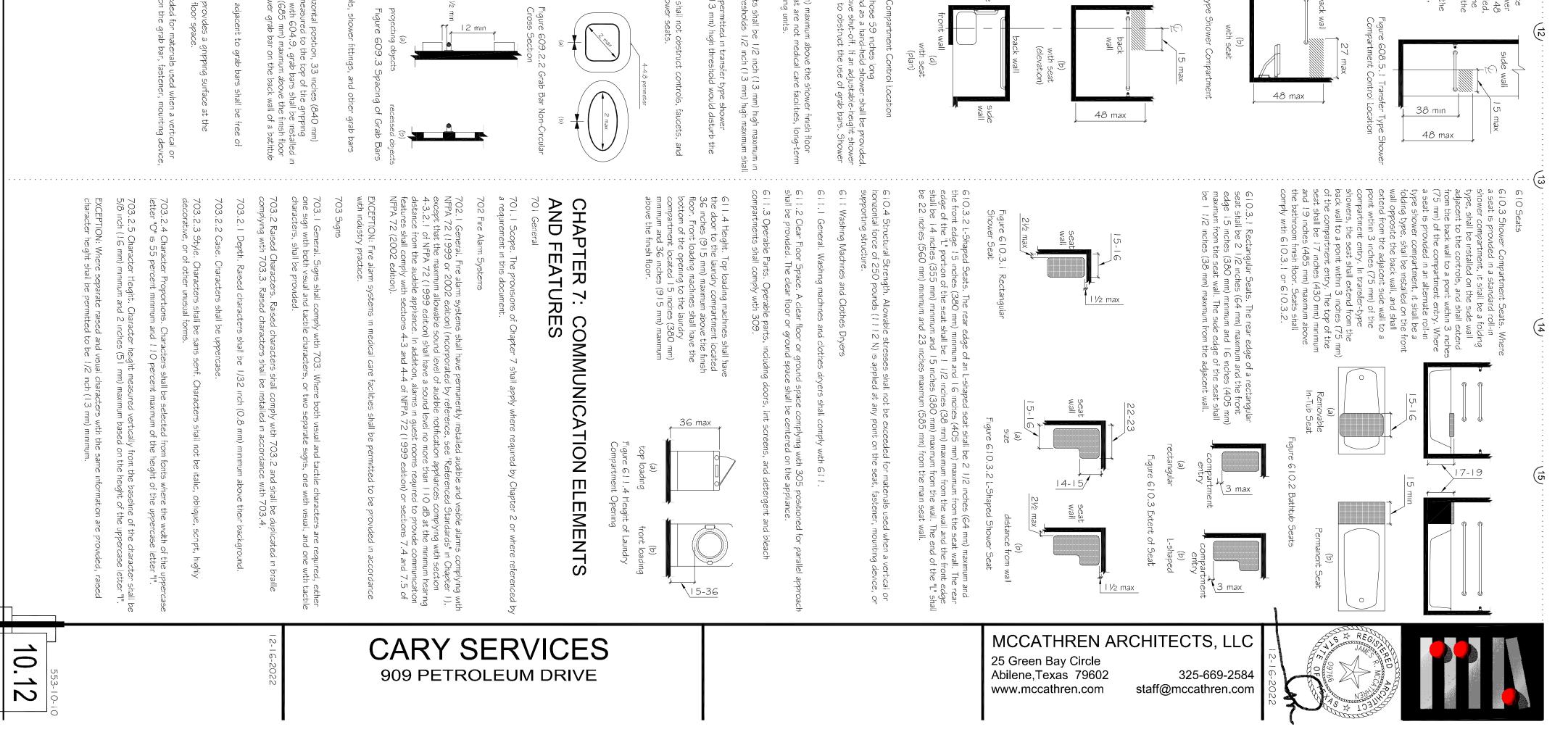
 $(\exists$

vall of s

48 max

e a

609.4 Position of Grab Bars. Grab bars shall be minimum and 36 inches (915 mm) maximum above surface, except that at water closets for childred a horizontal position 18 inches (455 mm) minimum measured to the top of the gripping surface. The shall comply with 607.4.1.1 or 607.4.2.1. 608.7 Thresholds. Thresholds in noll-in type show accordance with 303. In transfer type shower cor be beveled, rounded, or vertical. EXCEPTION: A threshold 2 inches (5 i mm) high ma compartments in existing facilities where provision structural reinforcement of the floor slab. 608.8 Shower Enclosures. Enclosures for sh shower spray units or obstruct transfer from 609.2.2 Non-Circular Cross Section. Grab bars with ion-circular cross sections shall have a cross-section dimension of 2 inches (51 mm) maximum and a perimeter dimension of 4 inches (100 mm) minimum and 4.8 inches 120 mm) maximum. 609.2 Cross Section. Grab bars shall have a cr section complying with 609.2.1 or 609.2.2. 509 Grab Bars 509. I General. Grab bars in toilet facilities acilities shall comply with 609. 509.3 Spacing. The space between the wall and the grab ar shall be 1–1/2 inches (38 mm). The space between the grab bar and projecting objects below and at the ends hall be 1–1/2 inches (38 mm) minimum. The space etween the grab bar and projecting objects above shall retween the (305 mm) minimum. 09.2.1 Circular Cross Section. Grab bars with circular cross sections shall have an outside diameter of 1 1/4 iches (32 mm) minimum and 2 inches (51 mm) maximum. XCEPTION: A fixed shower head located at 48 inches (1220 mm) hall be permitted instead of a hand-held spray unit in facilities that are facilities, transient lodging guest rooms, or residential dwellin (CEPTION: The space between the grab bars and shower control ove shall be permitted to be 1-1/2 inches (38 mm) minimum. Grab bars a ts and shall 's shall not bars shall b hars shall b ave an on/off control with a r d, the bar shall be installed s r that is 120°F (49°C) maxim not instr t obe це indren's use complying wit innimum and 27 inches (68 2. The height of the lower above the and bath d in any i be Ç ≓ iaximum shall i of a 1/2 inc fittings. manner that pro mured clear flo Q ed its, thre be pe

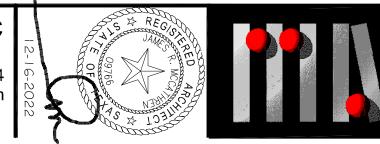


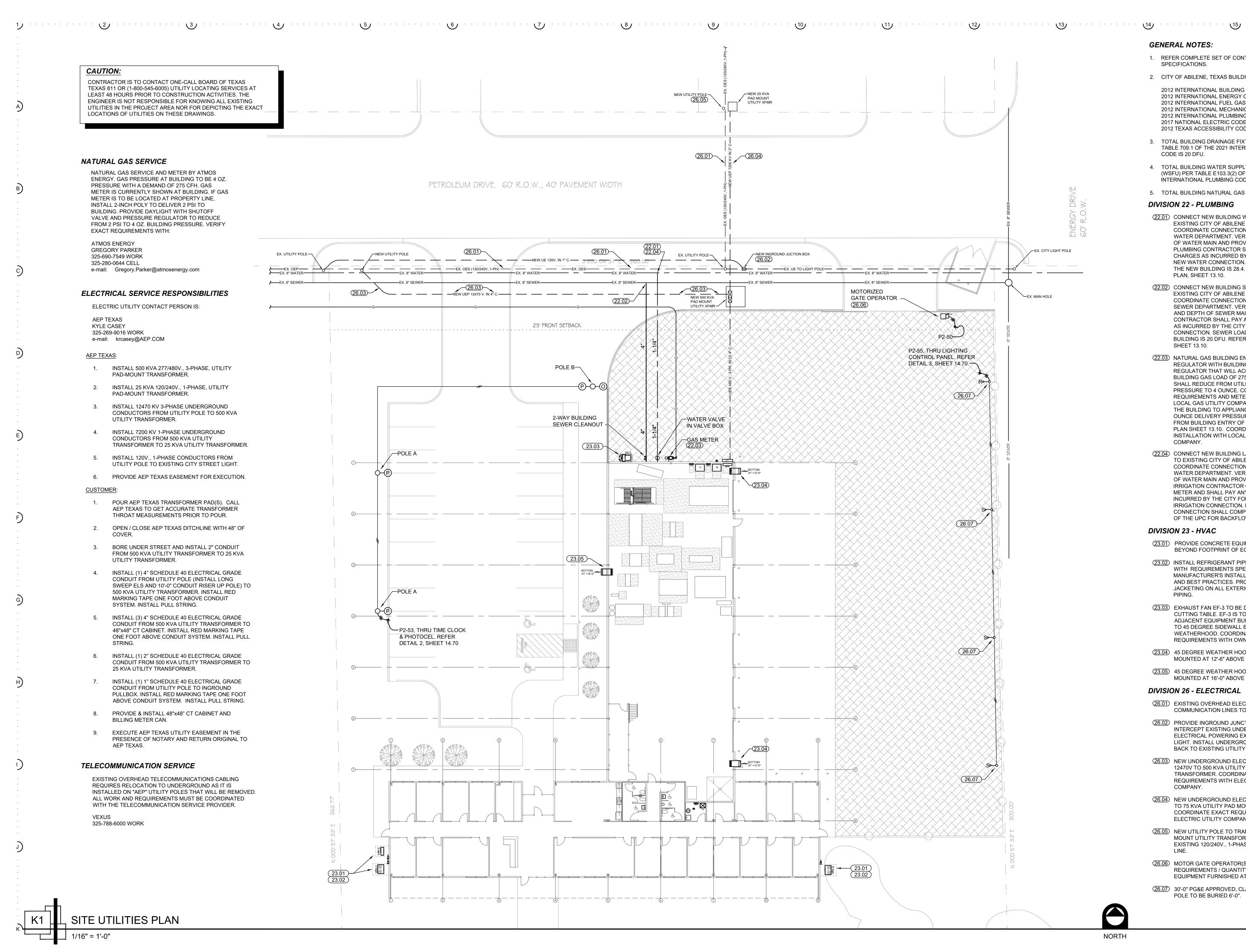
		· · · · · ·
e thickness of the ricent maximum of	703.5.5 Visual Character Height Homzontal Viewing Distance Minimum Character Height Iess than 72 inches 5/8 inch	
	72 inches and greater 5/8 inch, plus 1/8 inch per foot of viewing distance above 72 inches	
A Figure 703.2.5 Height of Raised Characters	Greater than 70 inches to less less than 180 inches 2 inch than or equal to 120 inches 180 inches and greater 2 inches, plus 1/8 inch per foot of viewing distance above 180 inches	
2003.2.7 Character Spacing. Character spacing shall be measured between the two closest points or adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated	Greater than 120 inches less than 20 feet 3 inch 21 feet and greater 3 inches, plus 1/8 inch per foot of viewing distance above 21 feet	
From raised borders and decorative elements 3/8 inch (9.5 mm) minimum.	703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.	
ω ü	EXCEPTION: Visual characters indicating elevator car controls shall not be required to comply with 703.5.6. 703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.	
703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.	703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent innimum and 35 percent maximum of character height.	
Table 703.3.1 Braille Dimensions Measurement Range	703.5.9 Line Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.	
C Distance between two 0.059 (1.5 mm) to 0.063 (1.6 mm) measured center to	703.6 Pictograms shall comply with 703.6.	
nter 1.241 (6.1 mm) to 0.300 (7.6 mm)measured center enter	703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.	
Dot height0.025 (0.6 mm) to 0.037 (0.9 mm)Distance between corresponding dotsfrom one cell directly below0.395 (10 mm) to 0.400 (10.2 mm)measured center to center	703.6.2 Finish and Contrast. Pictograms and their field shall have a non-glare finish. Pictograms shall contrast with their field with either a light pictogram on a dark field or a dark pictogram on a light field.	
 703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements. 	located directly below the pictogram field. Text descriptors shall comply with 703.2, 703.3 and 703.4.	
EXCEPTION: Braille provided on elevator car controls shall be separated 3/16 inch (4.8 mm) minimum and shall be located either directly below or adjacent to the corresponding raised characters or symbols.	703.7 Symbols of Accessibility. Symbols of accessibility shall comply with 703.7. 703.7.1 Finish and Contrast. Symbols of accessibility and their background shall have a non-glare finish. Symbols of accessibility shall contrast with their background with either a light symbol on a dark backaround	
	or a dark sympol of a right background. 703.7.2 Symbols. 703.7.2 Junternational Symbol of Accessibility. The International Symbol of Accessibility shall comply with	
	Figure 703.7.2.1.	
3/8 mm		
 Figure 703.3.2 Position of Braille Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground FO3.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4. 	Figure 703.7.2.1 Figure 703.7.2.2 Figure 703.7.2.3 VolumeFigure 703.7.2.4 International Symbol of International Symbol of Control Telephone International Symbol of Accessibility TTY Access for Hearing Loss	
703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.	705 Detectable Warnings 705. I General. Detectable warnings shall consist of a surface of truncated domes and shall comply with	
EXCEPTION: Tactile characters for elevator car controls shall not be required to comply with 703.4.1.	703. 705.1.1 Dome Size. Truncated domes in a detectable warning surface shall have a base diameter of 0.9 inch (23 mm) minimum and 1.4 inches (36 mm) maximum, a top diameter of 50 percent of the base diameter minimum to 65 percent of the base diameter maximum, and a height of 0.2 inch (5.1 mm).	
G latch side. Where a tactile sign is provided at double doors with one active leafs, the sign is provided at double doors with two active leafs, the sign is provided at double doors with two active leafs, the sign shall be located to the doors with two active leafs, the sign shall be located to the	705.1.2 Dome Spacing. Truncated domes in a detectable warning surface shall have a center-to-center spacing of 1.6 inches (4 l mm) minimum and 2.4 inches (6 l mm) maximum, and a base-to-base spacing of 0.65 inch (17 mm) minimum, measured between the most adjacent domes on a square grid.	
right of the right hand door. Where there is no wall space <u>18 min</u> at the latch side of a single door or at the right side of Figure 703.4.2 Location of double doors, signs shall be located on the nearest Tactile Signs at Doors	705.1.3 Contrast. Detectable warning surfaces shall contrast visually with adjacent walking surfaces either light-on-dark, or dark-on-light.	
Adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position. EXCEPTION: Signs with tactile characters shall be permitted on the push side of doors with closers and without hold-open devices.	top diameter of 50%-G5% of the base diameter of base diameter of 0.9-1.4 (a) (b) (c) (c) (c) (c) (c) (c) (c) (c	
703.5 Visual Characters. Visual characters shall comply with 703.5. EXCEPTION: Where visual characters comply with 703.2 and are accompanied by braille complying with 703.3, they shall not be required to comply with 703.5.2 through 703.5.9.	Figure 705.1 Size and Spacing of Truncated Domes 705.2 Platform Edges. Detectable warning surfaces at platform boarding edges shall be 24 inches (610 mm) wide and shall extend the full length of the public use areas of the platform.	
703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a ligh background.		
 703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both. 703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms. 		
703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "0" is 55 percent minimum and 110 percent maximum of the height of the uppercase letter "I". 703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance sha be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign Character height shall be based on the impercase letter "I"		
K1 ACCESSIBILITY STANDARDS APPLICAE	LE TO ALL TRADES.	
N.T.S.		

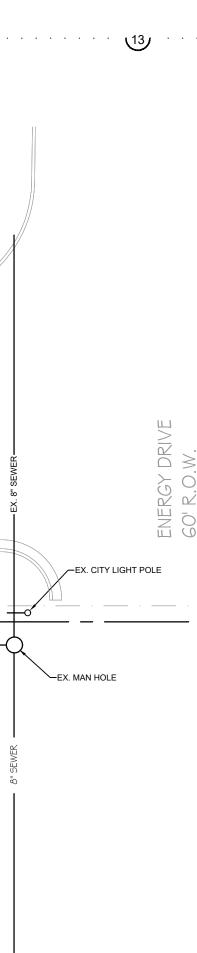
CARY SERVICES 909 PETROLEUM DRIVE	MCCATHREN ARCHITECTS, LLC 25 Green Bay Circle Abilene,Texas 79602 325-669-2584 www.mccathren.com staff@mccathren.com	19-16-2022

10.

 $\overleftarrow{\omega}$







RGY N.O

GENERAL NOTES:

1. REFER COMPLETE SET OF CONTRACT DRAWINGS AND SPECIFICATIONS.

- 2. CITY OF ABILENE, TEXAS BUILDING CODES:
- 2012 INTERNATIONAL BUILDING CODE, 2012 INTERNATIONAL ENERGY CONSERVATION CODE, 2012 INTERNATIONAL FUEL GAS CODE, 2012 INTERNATIONAL MECHANICAL CODE, 2012 INTERNATIONAL PLUMBING CODE, 2017 NATIONAL ELECTRIC CODE, 2012 TEXAS ACCESSIBILITY CODE (TAS).
- TOTAL BUILDING DRAINAGE FIXTURE UNITS (DFU) PER TABLE 709.1 OF THE 2021 INTERNATIONAL PLUMBING CODE IS 20 DFU.
- 4. TOTAL BUILDING WATER SUPPLY FIXTURE UNITS (WSFU) PER TABLE E103.3(2) OF THE 2021 INTERNATIONAL PLUMBING CODE IS 28.4 WSFU.
- 5. TOTAL BUILDING NATURAL GAS DEMAND IS 275 CFH.

DIVISION 22 - PLUMBING

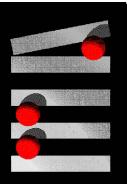
- (22.01) CONNECT NEW BUILDING WATER LINE TO EXISTING CITY OF ABILENE WATER MAIN. COORDINATE CONNECTION WITH CITY OF ABILENE WATER DEPARTMENT. VERIFY EXACT LOCATION OF WATER MAIN AND PROVIDE NEW METER. PLUMBING CONTRACTOR SHALL PAY ANY AND ALL CHARGES AS INCURRED BY THE CITY FOR THE NEW WATER CONNECTION. WATER DEMAND FOR THE NEW BUILDING IS 28.4. REFER PLUMBING PLAN, SHEET 13.10.
- (22.02) CONNECT NEW BUILDING SEWER LINE TO EXISTING CITY OF ABILENE SEWER MAIN. COORDINATE CONNECTION WITH CITY OF ABILENE SEWER DEPARTMENT. VERIFY EXACT LOCATION AND DEPTH OF SEWER MAIN. PLUMBING CONTRACTOR SHALL PAY ANY AND ALL CHARGES AS INCURRED BY THE CITY FOR THE NEW SEWER CONNECTION. SEWER LOAD FOR THE NEW BUILDING IS 20 DFU. REFER PLUMBING PLAN, SHEET 13.10.
- (22.03) NATURAL GAS BUILDING ENTRY, METER AND REGULATOR WITH BUILDING STOP VALVE AND REGULATOR THAT WILL ACCOMMODATE A TOTAL BUILDING GAS LOAD OF 275 CFH. REGULATOR SHALL REDUCE FROM UTILITY DELIVERY PRESSURE TO 4 OUNCE. COORDINATE EXACT REQUIREMENTS AND METER LOCATION WITH LOCAL GAS UTILITY COMPANY. GAS PIPING INSIDE THE BUILDING TO APPLIANCES IS BASED UPON A 4 OUNCE DELIVERY PRESSURE AND A TOTAL RUN FROM BUILDING ENTRY OF 125'. REFER PLUMBING PLAN SHEET 13.10. COORDINATE METER INSTALLATION WITH LOCAL GAS UTILITY COMPANY.
- (22.04) CONNECT NEW BUILDING LAWN IRRIGATION LINE TO EXISTING CITY OF ABILENE WATER MAIN. COORDINATE CONNECTION WITH CITY OF ABILENE WATER DEPARTMENT. VERIFY EXACT LOCATION OF WATER MAIN AND PROVIDE NEW METER. IRRIGATION CONTRACTOR COORDINATE SIZE OF METER AND SHALL PAY ANY AND ALL CHARGES AS INCURRED BY THE CITY FOR THE NEW LAWN IRRIGATION CONNECTION. LAWN IRRIGATION CONNECTION SHALL COMPLY WITH ARTICLE 608 OF THE UPC FOR BACKFLOW PROTECTION.

DIVISION 23 - HVAC

- (23.01) PROVIDE CONCRETE EQUIPMENT PAD, 6-INCHES BEYOND FOOTPRINT OF EQUIPMENT FURNISHED.
- (23.02) INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH REQUIREMENTS SPECIFIC TO EQUIPMENT MANUFACTURER'S INSTALLATION GUIDELINES AND BEST PRACTICES. PROVIDE ALUMINUM JACKETING ON ALL EXTERIOR REFRIGERANT PIPING.
- 23.03) EXHAUST FAN EF-3 TO BE DUCTED TO PLASMA CUTTING TABLE. EF-3 IS TO BE LOCATED IN ADJACENT EQUIPMENT BUILDING. AND DUCTED TO 45 DEGREE SIDEWALL EXHAUST WEATHERHOOD. COORDINATE EXACT REQUIREMENTS WITH OWNER AT JOBSITE.
- (23.04) 45 DEGREE WEATHER HOOD INTAKE. BOTTOM MOUNTED AT 12'-6" ABOVE FINISHED FLOOR.
- (23.05) 45 DEGREE WEATHER HOOD EXHAUST. BOTTOM MOUNTED AT 16'-0" ABOVE FINISHED FLOOR.

DIVISION 26 - ELECTRICAL

- (26.01) EXISTING OVERHEAD ELECTRICAL AND COMMUNICATION LINES TO BE REMOVED.
- (26.02) PROVIDE INGROUND JUNCTION / PULL BOX TO INTERCEPT EXISTING UNDERGROUND ELECTRICAL POWERING EXISTING CITY STREET LIGHT. INSTALL UNDERGROUND 1-INCH CONDUIT BACK TO EXISTING UTILITY POLE.
- (26.03) NEW UNDERGROUND ELECTRICAL PRIMARY 12470V TO 500 KVA UTILITY PAD MOUNT TRANSFORMER. COORDINATE EXACT REQUIREMENTS WITH ELECTRIC UTILITY COMPANY.
- (26.04) NEW UNDERGROUND ELECTRICAL PRIMARY 7200V TO 75 KVA UTILITY PAD MOUNT TRANSFORMER. COORDINATE EXACT REQUIREMENTS WITH ELECTRIC UTILITY COMPANY.
- (26.05) NEW UTILITY POLE TO TRANSITION FROM PAD MOUNT UTILITY TRANSFORMER AND INTERCEPT EXISTING 120/240V., 1-PHASE OVERHEAD POWER LINE.
- (26.06) MOTOR GATE OPERATOR(S). COORDINATE EXACT REQUIREMENTS / QUANTITY WITH OWNER AND EQUIPMENT FURNISHED AT JOBSITE.
- (26.07) 30'-0" PG&E APPROVED, CLASS 5 WOODEN LIGHT POLE TO BE BURIED 6'-0".







03-29-2023



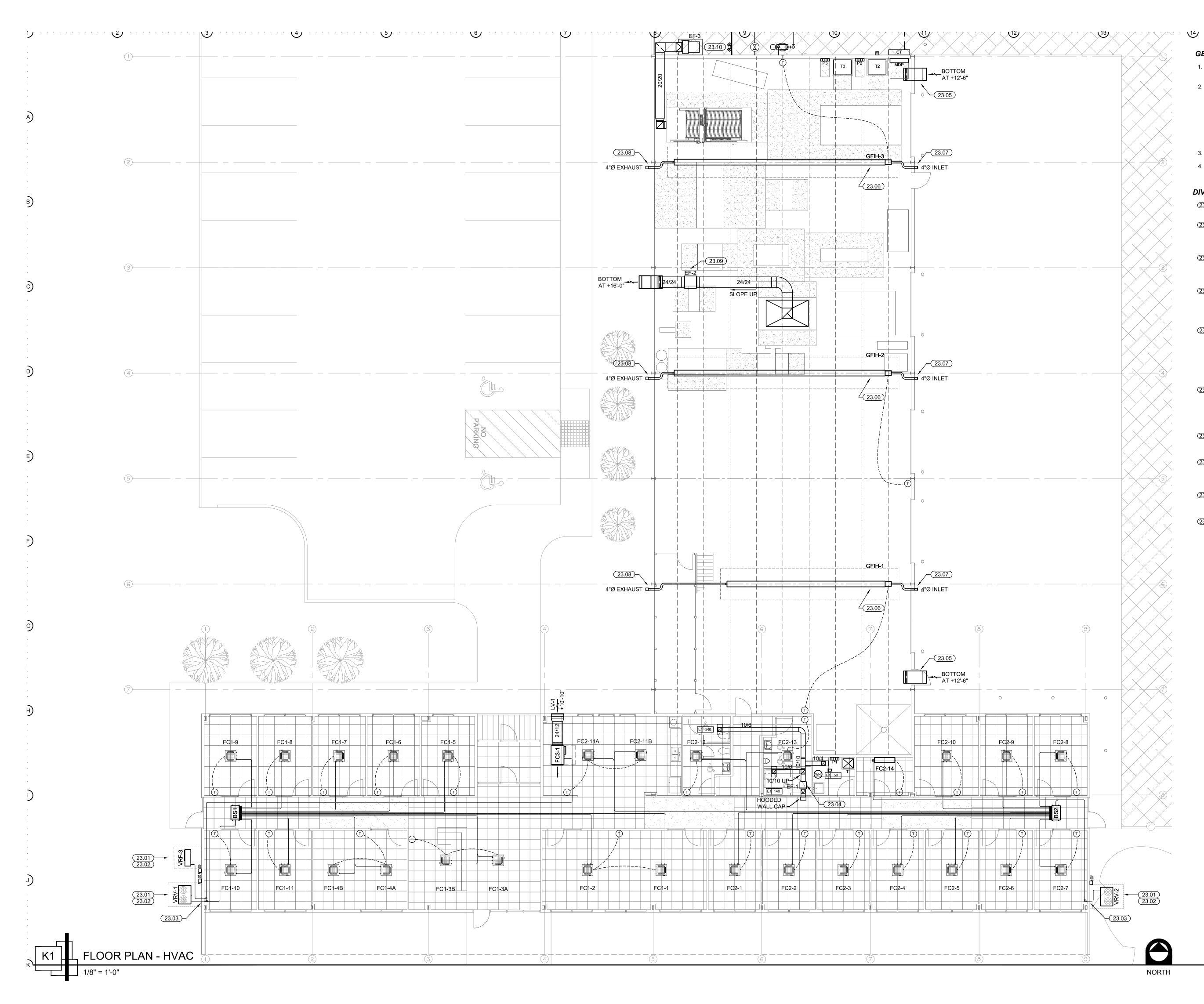


ဟ Ш RVICI \square Σ ш S AR တ S

03-29-2023

1553-11-10 DW





15

- 1. REFER COMPLETE SET OF CONTRACT DRAWINGS AND SPECIFICATIONS.
- 2. CITY OF ABILENE, TEXAS BUILDING CODES:
- 2012 INTERNATIONAL BUILDING CODE, 2012 INTERNATIONAL ENERGY CONSERVATION CODE, 2012 INTERNATIONAL FUEL GAS CODE, 2012 INTERNATIONAL MECHANICAL CODE, 2012 INTERNATIONAL PLUMBING CODE, 2017 NATIONAL ELECTRIC CODE, 2012 TEXAS ACCESSIBILITY CODE (TAS).
- 3. REFER M12.20 SERIES FOR EQUIPMENT SCHEDULES.
- REFER M12.30 SERIES FOR GENERAL NOTES, LEGENDS, AND DETAILS.

DIVISION 23 - HVAC

- (23.01) PROVIDE CONCRETE EQUIPMENT PAD 6-INCHES BEYOND FOOTPRINT OF EQUIPMENT FURNISHED.
- (23.02) INSTALL REFRIGERANT PIPING IN ACCORDANCE WITH REQUIREMENTS SPECIFIC TO EQUIPMENT MANUFACTURER'S INSTALLATION GUIDELINES AND BEST PRACTICES.
- (23.03) COORDINATE INSTALLATION OF REFRIGERANT PIPING WITH WALL FRAMING SO THAT REFRIGERANT PIPING IS LOCATED IN A WALL CHASE / FURR-OUT.
- (23.04) EXHAUST FAN, EF-1, LOCATED IN STORAGE AREA ABOVE AND SERVES BOTH WOMEN'S AND MEN'S RESTROOMS. EXHAUST FAN SHALL BE INTERLOCKED WITH LIGHTS. REFER DETAIL 1, WIRING DIAGRAM, SHEET 14.70.
- (23.05) SIDEWALL WEATHERHOOD EQUAL TO "GREENHECK" MODEL WTHD WITH 45 DEGREE TURN DOWN AND WIRE MESH BIRDSCREEN. PROVIDE ALL MOUNTING HARDWARE AND WALL SLEEVE FOR MOUNTING 28x28" INTAKE BACKDRAFT DAMPER EQUAL TO "GREENHECK" MODEL WD400 (OPEN BY AIR PRESSURE DIFFERENTIAL AND CLOSED BY SPRINGS).
- (23.06) GAS FIRED INFRARED HEATER TO BE MOUNTED AT 15'-0" ABOVE FLOOR SUPPORTED FROM STRUCTURE ABOVE. PROVIDE ALL REQUIRED HARDWARE, BRACKETS, CHAINS / CABLES. REFER TO EQUIPMENT SCHEDULE FOR REQUIRED MINIMUM CLEARANCES TO COMBUSTIBLES.
- (23.07) PROVIDE WITH SIDEWALL COMBUSTION AIR KIT. FOLLOW MANUFACTURER'S INSTALLATION REQUIREMENTS.
- (23.08) PROVIDE WITH SIDEWALL FLUE VENT CAP. FLUE VENT OUTLET SHALL NOT BE LESS THAN 1 FOOT ABOVE ANY DOOR OR WINDOW. FOLLOW MANUFACTURER'S INSTALLATION REQUIREMENTS.
- (23.09) EXHAUST FAN EF-2 FOR DUCT INSULATION GLUE STATION / HOOD BY OWNER. COORDINATE SWITCHING REQUIREMENTS WITH OWNER.
- (23.10) EXHAUST FAN EF-3 TO BE DUCTED TO PLASMA CUTTING TABLE. EF-3 IS TO BE LOCATED IN ADJACENT EQUIPMENT BUILDING. AND DUCTED TO 45 DEGREE SIDEWALL EXHAUST WEATHERHOOD. COORDINATE EXACT REQUIREMENTS WITH OWNER AT JOBSITE.



553-12-10.DWG

2.10

TDOOR	BRANCH	INDOOR			C	UTDOOR UNIT					INDOOR UNIT						EL	ECTRICAL			WEIGHT		MO	DEL	1
UNIT	SELECTOR	UNIT	DESCRIPTION	NOMINAL	CONNECTION	COOLING @ 105°F	HEATING @ 32°F	AIRFLOW		CC	DOLING		HEA	ATING		DU	117	RLA	MCA	МОР		MFG.	OUTDOOR	INDOOR	NOTES
TAG	TAG	TAG		TONS	RATIO	BTU/h	BTU/h	H-M-L / CFM	DB / WB /°F	EVAP °F	TOTAL BTU/h	SENSIBLE BTU/h	DB °F	BTU/h	VOLTS	PH	HZ	RLA	MCA	MOP	LBS.		UNIT	UNIT	1
/RV-1	-	-	OUTDOOR HEAT RECOVERY	10	135.4	110,987.0	110,907.0	-	-	-	-	-	-	-	460	3	60	12.8	21.1	25	727	DAIKIN	REYQ120XAYDB	-	1,2,3,4,5
		FC1-1	2x2 CASSETTE 4-WAY	-	-	-	-	511 / 441 / 353	75 / 63	42.8	15,467	11,298	68.0	20,814	208	1	60	-	0.6	15	41.9	DAIKIN	-	FXZQ18TBVJU	6
		FC1-2	2x2 CASSETTE 4-WAY	-	-	-	-	511 / 441 / 353	75 / 63	42.8	15,467	11,298	68.0	20,814	208	1	60	-	0.6	15	41.9	DAIKIN	-	FXZQ18TBVJU	6
		FC1-3A	2x2 CASSETTE 4-WAY	-	-	-	-	511 / 441 / 353	75 / 63	42.8	15,467	11,298	68.0	20,814	208	1	60	-	0.6	15	41.9	DAIKIN	-	FXZQ18TBVJU	6
		FC1-3B	2x2 CASSETTE 4-WAY	-	-	-	-	511 / 441 / 353	75 / 63	42.8	15,467	11,298	68.0	20,814	208	1	60	-	0.6	15	41.9	DAIKIN	-	FXZQ18TBVJU	6
		FC1-4A	2x2 CASSETTE 4-WAY	-	-	-	-	307 / 264 / 229	75 / 63	42.8	6,596	5,133	68.0	8,872	208	1	60	-	0.3	15	35.3	DAIKIN	-	FXZQ07TBVJU	6
		FC1-4B	2x2 CASSETTE 4-WAY	-	-	-	-	307 / 264 / 229	75 / 63	42.8	6,596	5,133	68.0	8,872	208	1	60	-	0.3	15	35.3	DAIKIN	-	FXZQ07TBVJU	6
	BS1	FC1-5	2x2 CASSETTE 4-WAY	-	-	-	-	307 / 264 / 229	75 / 63	42.8	6,596	5,133	68.0	8,872	208	1	60	-	0.3	15	35.3	DAIKIN	-	FXZQ07TBVJU	6
		FC1-6	2x2 CASSETTE 4-WAY	-	-	-	-	317 / 282 / 229	75 / 63	42.8	8,188	5,824	68.0	10,919	208	1	60	-	0.3	15	35.3	DAIKIN	-	FXZQ09TBVJU	6
		FC1-7	2x2 CASSETTE 4-WAY	-	-	-	-	317 / 282 / 229	75 / 63	42.8	8,188	5,824	68.0	10,919	208	1	60	-	0.3	15	35.3	DAIKIN	-	FXZQ09TBVJU	6
		FC1-8	2x2 CASSETTE 4-WAY	-	-	-	-	317 / 282 / 229	75 / 63	42.8	8,188	5,824	68.0	10,919	208	1	60	-	0.3	15	35.3	DAIKIN	-	FXZQ09TBVJU	6
		FC1-9	2x2 CASSETTE 4-WAY	-	-	-	-	317 / 282 / 229	75 / 63	42.8	8,188	5,824	68.0	10,919	208	1	60	-	0.3	15	35.3	DAIKIN	-	FXZQ09TBVJU	6
		FC1-10	2x2 CASSETTE 4-WAY	-	-	-	-	405 / 335 / 282	75 / 63	42.8	13,079	9,333	68.0	17,743	208	1	60	-	0.4	15	36.4	DAIKIN	-	FXZQ15TBVJU	6
	-	FC1-11	2x2 CASSETTE 4-WAY	-	-	-	-	405 / 335 / 282	75 / 63	42.8	13,079	9,333	68.0	17,743	208	1	60	-	0.4	15	36.4	DAIKIN	-	FXZQ15TBVJU	F

NOTES:

1) REFRIGERANT LINES SHALL BE SIZED AS REQUIRED BY EQUIPMENT MANUFACTURER.

2) ALL INSULATION EXPOSED TO SUN LIGHT SHALL HAVE ALUMINUM JACKETING SECURED WITH 1/2" STAINLESS BANDS 9" O.C.

3) PROVIDE ALL PIPING, CONNECTORS, Y-BRANCH, BRANCH SELECTOR UNITS, CONTROLS, HEAT RECOVERY UNITS, ETC. AS REQUIRED FOR A COMPLETE OPERATING SYSTEM. 4) PROVIDE WITH SAFETY DEVICES: HIGH PRESSURE SWITCH, FAN DRIVER OVERLOAD PROTECTOR, OVERCURRENT FUSE, INVERTER OVERLOAD PROTECTOR, AND LEAK DETECTION DEVICE.

5) PROVIDE THREE-PHASE VOLTAGE MONITOR EQUAL TO ICM CONTROLS MODEL ICM455.

OUTDOOR	BRANCH	INDOOR			C	UTDOOR UNIT					INDOOR UNIT						ELEC	CTRICAL			WEIGHT		МО	DEL	1
UNIT	SELECTOR	UNIT	DESCRIPTION	NOMINAL	CONNECTION	COOLING @ 105°F	HEATING @ 32°F	AIRFLOW		COC	DLING		HE	ATING		DU	HZ	RLA		МОР	1.00	MFG.	OUTDOOR	INDOOR	NOTES
TAG	TAG	TAG		TONS	RATIO	BTU/h	BTU/h	H / M / L CFM	DB / WB /°F	EVAP °F	TOTAL BTU/h	SENSIBLE BTU/h	DB °F	BTU/h	VOLTS	PH	ΠZ	RLA	MCA	MOP	LBS.		UNIT	UNIT	1
VRV-2	124.4	-	OUTDOOR HEAT RECOVERY	12		125,916	138,696	-	-	-	-	-	-	-	460	3	60	19.3	27.9	40	793	DAIKIN	REYQ144XAYDB	-	1,2,3,4,5
		FC2-1	2x2 CASSETTE 4-WAY	-	-	-	-	405 / 335 / 282	75 / 63	42.8	13,079	9,333	68.0	17,743	208	1	60	-	0.4	15	36.4	DAIKIN	-	FXZQ15TBVJU	6
		FC2-2	2x2 CASSETTE 4-WAY	-	-	-	-	404 / 335 / 282	75 / 63	42.8	13,079	9,333	68.0	17,743	208	1	60	-	0.4	15	36.4	DAIKIN	-	FXZQ15TBVJU	6
		FC2-3	2x2 CASSETTE 4-WAY	-	-	-	-	404 / 335 / 282	75 / 63	42.8	13,079	9,333	68.0	17,743	208	1	60	-	0.4	15	36.4	DAIKIN	-	FXZQ15TBVJU	6
		FC2-4	2x2 CASSETTE 4-WAY	-	-	-	-	404 / 335 / 282	75 / 63	42.8	13,079	9,333	68.0	17,743	208	1	60	-	0.4	15	3.64	DAIKIN	-	FXZQ15TBVJU	6
		FC2-5	2x2 CASSETTE 4-WAY	-	-	-	-	404 / 335 / 282	75 / 63	42.8	13,079	9,333	68.0	17,743	208	1	60	-	0.4	15	36.4	DAIKIN	-	FXZQ15TBVJU	6
		FC2-6	2x2 CASSETTE 4-WAY	-	-	-	-	404 / 335 / 282	75 / 63	42.8	13,079	9,333	68.0	17,743	208	1	60	-	0.4	15	36.4	DAIKIN	-	FXZQ15TBVJU	6
	DOO	FC2-7	2x2 CASSETTE 4-WAY	-	-	-	-	404 / 335 / 282	75 / 63	42.8	13,079	9,333	68.0	17,743	208	1	60	-	0.4	15	36.4	DAIKIN	-	FXZQ15TBVJU	6
	BS2	FC2-8	2x2 CASSETTE 4-WAY	-	-	-	-	317 / 282 / 229	75 / 63	42.8	8,188	5,824	68.0	10,919	208	1	60	-	0.3	15	36.3	DAIKIN	-	FXZQ09TBVJU	6
		FC2-9	2x2 CASSETTE 4-WAY	-	-	-	-	317 / 282 / 229	75 / 63	42.8	8,188	5,824	68.0	10,919	208	1	60	-	0.3	15	36.3	DAIKIN	-	FXZQ09TBVJU	6
		FC2-10	2x2 CASSETTE 4-WAY	-	-	-	-	353 / 300 / 247	75 / 63	42.8	10,463	7,037	68.0	13,990	208	1	60	-	0.4	15	36.4	DAIKIN	-	FXZQ12TBVJU	6
		FC2-11A	2x2 CASSETTE 4-WAY	-	-	-	-	353 / 300 / 247	75 / 63	42.8	10,463	7,037	68.0	13,990	208	1	60	-	0.4	15	36.4	DAIKIN	-	FXZQ12TBVJU	6
		FC2-11B	2x2 CASSETTE 4-WAY	-	-	-	-	353 / 300 / 247	75 / 63	42.8	10,463	7,037	68.0	13,990	208	1	60	-	0.4	15	36.4	DAIKIN	-	FXZQ12TBVJU	6
		FC2-12	2x2 CASSETTE 4-WAY	-	-	-	-	300 / 247 / 229	75 / 63	42.8	5,004	4,265	68.0	6,824	208	1	60	-	0.3	15	35.3	DAIKIN	-	FXZQ05TBVJU	6
		FC2-13	2x2 CASSETTE 4-WAY	-	-	-	-	300 / 247 / 229	75 / 63	42.8	5,004	4,265	68.0	6,824	208	1	60	-	0.3	15	35.3	DAIKIN	-	FXZQ05TBVJU	6
		FC2-14	WALL MOUNT	-	-	-	-	260 / - / 160	75 / 63	42.8	6,433	5,441	-	-	208	1	60	-	0.3	15	26.5	DAIKIN	-	FXAQ07PVJU	7,8

NOTES:

1) REFRIGERANT LINES SHALL BE SIZED AS REQUIRED BY EQUIPMENT MANUFACTURER.

2) ALL INSULATION EXPOSED TO SUN LIGHT SHALL HAVE ALUMINUM JACKETING SECURED WITH 1/2" STAINLESS BANDS 9" O.C.

3) PROVIDE ALL PIPING, CONNECTORS, Y-BRANCH, BRANCH SELECTOR UNITS, CONTROLS, HEAT RECOVERY UNITS, ETC. AS REQUIRED FOR A COMPLETE OPERATING SYSTEM.

4) PROVIDE WITH SAFETY DEVICES: HIGH PRESSURE SWITCH, FAN DRIVER OVERLOAD PROTECTOR, OVERCURRENT FUSE, INVERTER OVERLOAD PROTECTOR, AND LEAK DETECTION DEVICE.

5) PROVIDE THREE-PHASE VOLTAGE MONITOR EQUAL TO ICM CONTROLS MODEL ICM455.

6) FOUR-WAY 2'x2' CEILING CASSETTE, WITH STANDARD WHITE DECORATION PANEL, RESIN NET FILTER, WIRED NAVIGATION REMOTE CONTROLLER, (GROUP PER DRAWINGS), ELECTRONIC EXPANSION VALVE, INTEGRAL CONDENSATE LIFT PUMP AND CHECK VALVE, 15A MOCP. 7) WALL MOUNT TYPE, WITH RESIN NET FILTER, WIRED NAVIGATION REMOTE CONTROLLER, ELECTRONIC EXPANSION VALVE, 15 MOCP.

8) PROVIDE CONDENSATE PUMP EQUAL TO "ASPEN" MINI WHITE.

VRV BRANCH SELECTOR UNIT SCHEDULE

OUTDOOR	HR		MAX UNIT CAPACITY	MAX PORT CAPACITY	NUMBER OF			SYSTEM		PC)RT			ELECTRICAL			WEIGHT			
UNIT	BOX	DESCRIPTION	SUM OF PORTS	EACH PORT	INDOOR	REFRIGERANT	LIQUID LINE	SUCTION LINE	HP/LP GAS	LIQUID LINE	VAPOR LINE	VOLTS	рн нz	RLA	MCA	MOP	LBS	MFG.	MODEL	NOTES
TAG	TAG		BTUH	BTUH	UNIT PORTS		(INCHES, OD)	VOLIS		RLA	MCA	MOF	LDO							
VRV-1	BS1	HEAT RECOVERY UNIT	290,000	54,000	12	R-410A	5/8	1-1/8	1-1/8	1/4	1/2	208	1 60	-	1.2	15	106	DAIKIN	BS12Q54TVJ	1,2,3
VRV-2	BS2	HEAT RECOVERY UNIT	290,000	54,000	12	R-410A	5/8	1-1/8	1-1/8	1/4	1/2	208	1 60	-	1.2	15	106	DAIKIN	BS12Q54TVJ	1,2,3
NOTES																				
1) ALLOWS CONNECTED INDOOR UNITS TO BE IN COOLING OR HEATING MODE SIMULTANEOUSLY.																				

2) SOUND ABSORBING THERMAL INSULATION: URETHANE FOAM , POLYETHYLENE FOAM.

3) EQUIPPED WITH CONTROLS, ACCESS PANELS, ELECTRONIC EXPANSION VALVES (HP/LP GAS, SUCTION), FILTERS, CONNECTION PORTS.

VARI	ARIABLE REFRIGERANT VOLUME (HEAT PUMP) EQUIPMENT SCHEDULE																						
OUTDOC	R BRANCH	I INDOOR			OUTDOOR UN	IT				INDOOR UNIT						ELECTRIC	CAL		WEIGHT		MO	DEL	
UNIT	SELECTO	DR UNIT	DESCRIPTION	NOMINAL	COOLING @ 105°F	HEATING @ 32°F	AIRFLOW		CC	OLING		HEA	TING		рц		A MCA	MOP	LBS.	MFG.	OUTDOOR	INDOOR	NOTES
TAG	TAG	TAG		TONS	BTU/h	BTU/h	H / M / L CFM	DB / WB /°F	EVAP °F	TOTAL BTU/h	SENSIBLE BTU/h	DB °F	BTU/h	- VOLTS	Pn	HZ RLA		MOP	LDO.		UNIT	UNIT	
VRV-3	-	-	OUTDOOR HEAT PUMP	5	48,000	50,637	-	-	-	-	-	-	-	208	3	60 23.2	2 29.1	35	225	DAIKIN	RXTQ60TAVJUA	-	1,2,3,4
	N/A	FC3-1	OUTSIDE AIR PROCESSING UNIT	-	-	-	635	101/ 71	42.8	48,000	-	15.0	30,000	208	1	60 -	2.1	15	190	DAIKIN	-	FXMQ48MFVJU	5

NOTES:

1) REFRIGERANT LINES SHALL BE SIZED AS REQUIRED BY EQUIPMENT MANUFACTURER.

2) ALL INSULATION EXPOSED TO SUN LIGHT SHALL HAVE ALUMINUM JACKETING SECURED WITH 1/2" STAINLESS BANDS 9" O.C.

3) PROVIDE ALL PIPING, CONNECTORS, CONTROLS, UNITS, ETC. AS REQUIRED FOR A COMPLETE OPERATING SYSTEM.

4) PROVIDE WITH SAFETY DEVICES: HIGH PRESSURE SWITCH, FAN DRIVER OVERLOAD PROTECTOR, OVERCURRENT FUSE, INVERTER OVERLOAD PROTECTOR, FUSIBLE PLUG.

5) DUCTED OUTSIDE AIR PROCESSING UNIT, WITH DISCHARGE AIR TEMPERATURE CONTROL, MERV 13 FILTERS.

NO SCALE

A)

.

B

-

•

•

्रे

• •

. -•

D

-. •

Ð

F)

9

Ð

)

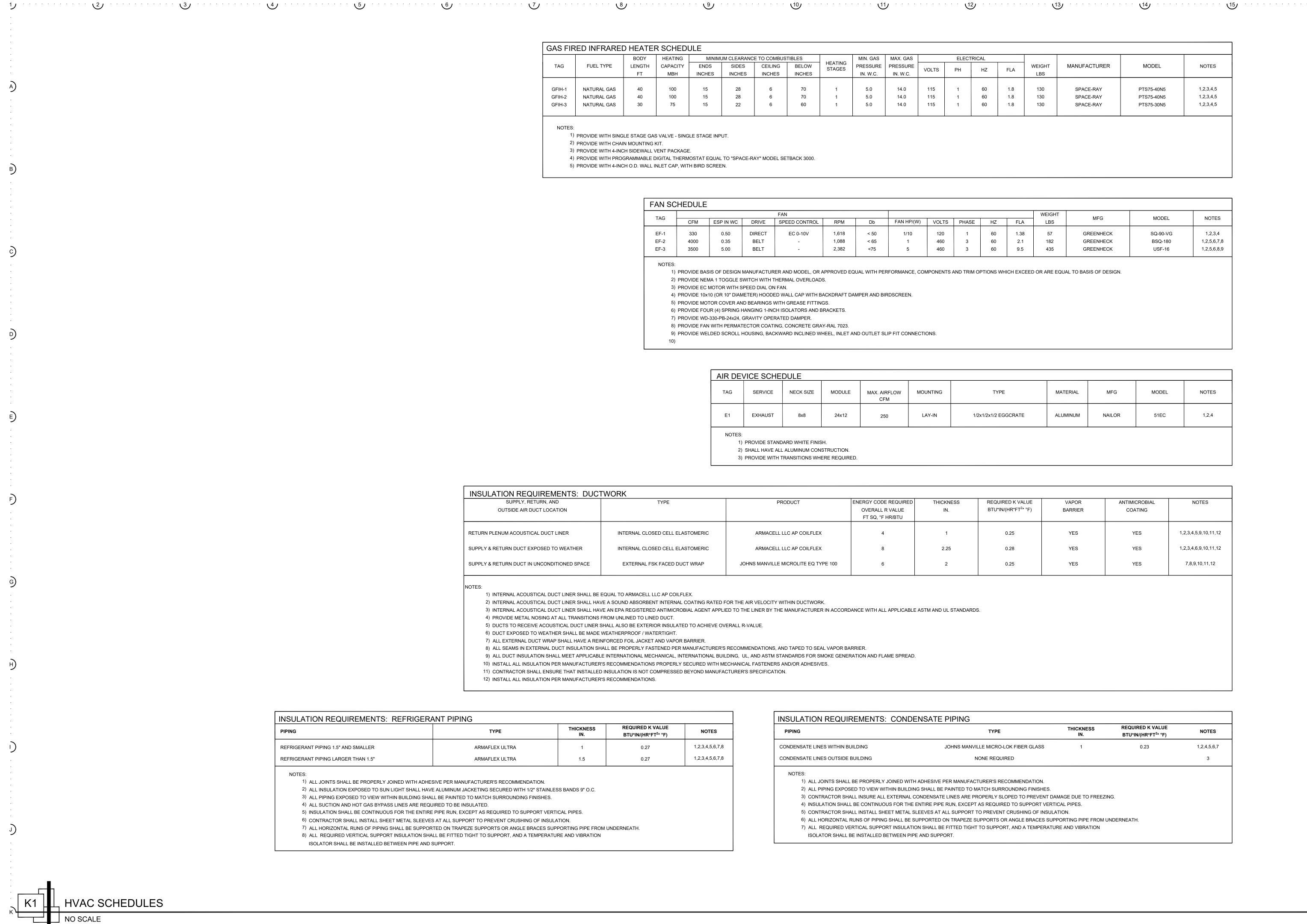
J)

K1

6) FOUR-WAY 2'x2' CEILING CASSETTE, WITH STANDARD WHITE DECORATION PANEL, RESIN NET FILTER, WIRED NAVIGATION REMOTE CONTROLLER, (GROUP PER DRAWINGS), ELECTRONIC EXPANSION VALVE, INTEGRAL CONDENSATE LIFT PUMP AND CHECK VALVE, 15A MOCP.

		13	<u>14</u> · · · · · · · · · · · ·	15
--	--	----	-----------------------------------	----

MCCATHREN ARCHITECTS, LLC	375-660-7587	staff@mccathren.com	
MCCATHREN A	25 Green Bay Circle	www.mccathren.com	
RIC	CHARD 10 555000 03-25	7179 ENSEC	RYAN
BUFFALO GAP ROAD	0, < 1	FX:(325) 232-7551 4400	F-13562
	Bryan Parks &	Absolutates, 1	TEXAS REGISTERED ENGINEERING FIRM # F-13562
ý	0)	TEXAS R
		909 PETROLEUM DRIVE	ABILENE, TEXAS
03-2	29-20	23	
	53-12	20 5	



		BODY	HEATING	MINIMU	JM CLEARANC	E TO COMBUST	TIBLES		MIN. GAS	MAX. GAS		ELECT	RICAL					
TAG	FUEL TYPE	LENGTH	CAPACITY	ENDS	SIDES	CEILING	BELOW	HEATING STAGES	PRESSURE	PRESSURE	VOLTS	PH	HZ	FLA	WEIGHT	MANUFACTURER	MODEL	NOTES
		FT	MBH	INCHES	INCHES	INCHES	INCHES		IN. W.C.	IN. W.C.	VOLIO		112	1 2/ (LBS			<u> </u>
		10	100						5.0						100			10015
GFIH-1	NATURAL GAS	40	100	15	28	6	70	1	5.0	14.0	115	1	60	1.8	130	SPACE-RAY	PTS75-40N5	1,2,3,4,5
GFIH-2	NATURAL GAS	40	100	15	28	6	70	1	5.0	14.0	115	1	60	1.8	130	SPACE-RAY	PTS75-40N5	1,2,3,4,5
GFIH-3	NATURAL GAS	30	75	15	22	6	60	1	5.0	14.0	115	1	60	1.8	130	SPACE-RAY	PTS75-30N5	1,2,3,4,5

1) PROVIDE WITH SINGLE STAGE GAS VALVE - SINGLE STAGE INPUT.

2) PROVIDE WITH CHAIN MOUNTING KIT.

 PROVIDE WITH 4-INCH SIDEWALL VENT PACKAGE. 4) PROVIDE WITH PROGRAMMABLE DIGITAL THERMOSTAT EQUAL TO "SPACE-RAY" MODEL SETBACK 3000.

5) PROVIDE WITH 4-INCH O.D. WALL INLET CAP, WITH BIRD SCREEN.

FAN SCHEDULE

17.100															
TAG				FAN								WEIGHT	MFG	MODEL	NOTES
TAG	CFM	ESP IN WC	DRIVE	SPEED CONTROL	RPM	Db	FAN HP/(W)	VOLTS	PHASE	HZ	FLA	LBS	MFG	MODEL	NOTES
EF-1	330	0.50	DIRECT	EC 0-10V	1,618	< 50	1/10	120	1	60	1.38	57	GREENHECK	SQ-90-VG	1,2,3,4
EF-2	4000	0.35	BELT	-	1,088	< 65	1	460	3	60	2.1	182	GREENHECK	BSQ-180	1,2,5,6,7,8
EF-3	3500	5.00	BELT	-	2,382	<75	5	460	3	60	9.5	435	GREENHECK	USF-16	1,2,5,6,8,9

NOTES:

10)

1) PROVIDE BASIS OF DESIGN MANUFACTURER AND MODEL, OR APPROVED EQUAL WITH PERFORMANCE, COMPONENTS AND TRIM OPTIONS WHICH EXCEED OR ARE EQUAL TO BASIS OF DESIGN. 2) PROVIDE NEMA 1 TOGGLE SWITCH WITH THERMAL OVERLOADS.

3) PROVIDE EC MOTOR WITH SPEED DIAL ON FAN.

4) PROVIDE 10x10 (OR 10" DIAMETER) HOODED WALL CAP WITH BACKDRAFT DAMPER AND BIRDSCREEN.

5) PROVIDE MOTOR COVER AND BEARINGS WITH GREASE FITTINGS.

6) PROVIDE FOUR (4) SPRING HANGING 1-INCH ISOLATORS AND BRACKETS.

7) PROVIDE WD-330-PB-24x24, GRAVITY OPERATED DAMPER.

8) PROVIDE FAN WITH PERMATECTOR COATING, CONCRETE GRAY-RAL 7023.

9) PROVIDE WELDED SCROLL HOUSING, BACKWARD INCLINED WHEEL, INLET AND OUTLET SLIP FIT CONNECTIONS.

AIR DE	/ICE SCHE	DULE			
TAG	SERVICE	NECK SIZE	MODULE	MAX. AIRFLOW CFM	MOUNTING
E1	EXHAUST	8x8	24x12	250	LAY-IN

NOTES:

1) PROVIDE STANDARD WHITE FINISH.

2) SHALL HAVE ALL ALUMINUM CONSTRUCTION.

3) PROVIDE WITH TRANSITIONS WHERE REQUIRED.

NSULATION REQUIREMENTS: DUCTWORK													
SUPPLY, RETURN, AND	TYPE	PRODUCT	ENERGY CODE REQUIRED	THICKNESS		VAPOR	ANTIMICROBIAL	NOTES					
OUTSIDE AIR DUCT LOCATION			OVERALL R VALUE FT SQ, °F HR/BTU	IN.	BTU*IN/(HR*FT ² * °F)	BARRIER	COATING						
RETURN PLENUM ACOUSTICAL DUCT LINER	INTERNAL CLOSED CELL ELASTOMERIC	ARMACELL LLC AP COILFLEX	4	1	0.25	YES	YES	1,2,3,4,5,9,10,11,12					
SUPPLY & RETURN DUCT EXPOSED TO WEATHER	INTERNAL CLOSED CELL ELASTOMERIC	ARMACELL LLC AP COILFLEX	8	2.25	0.28	YES	YES	1,2,3,4,6,9,10,11,12					
SUPPLY & RETURN DUCT IN UNCONDITIONED SPACE	EXTERNAL FSK FACED DUCT WRAP	JOHNS MANVILLE MICROLITE EQ TYPE 100	6	2	0.25	YES	YES	7,8,9,10,11,12					

1) INTERNAL ACOUSTICAL DUCT LINER SHALL BE EQUAL TO ARMACELL LLC AP COILFLEX.

2) INTERNAL ACOUSTICAL DUCT LINER SHALL HAVE A SOUND ABSORBENT INTERNAL COATING RATED FOR THE AIR VELOCITY WITHIN DUCTWORK.

3) INTERNAL ACOUSTICAL DUCT LINER SHALL HAVE AN EPA REGISTERED ANTIMICROBIAL AGENT APPLIED TO THE LINER BY THE MANUFACTURER IN ACCORDANCE WITH ALL APPLICABLE ASTM AND UL STANDARDS. 4) PROVIDE METAL NOSING AT ALL TRANSITIONS FROM UNLINED TO LINED DUCT.

5) DUCTS TO RECEIVE ACOUSTICAL DUCT LINER SHALL ALSO BE EXTERIOR INSULATED TO ACHIEVE OVERALL R-VALUE.

6) DUCT EXPOSED TO WEATHER SHALL BE MADE WEATHERPROOF / WATERTIGHT.

7) ALL EXTERNAL DUCT WRAP SHALL HAVE A REINFORCED FOIL JACKET AND VAPOR BARRIER.

8) ALL SEAMS IN EXTERNAL DUCT INSULATION SHALL BE PROPERLY FASTENED PER MANUFACTURER'S RECOMMENDATIONS, AND TAPED TO SEAL VAPOR BARRIER.

9) ALL DUCT INSULATION SHALL MEET APPLICABLE INTERNATIONAL MECHANICAL, INTERNATIONAL BUILDING, UL, AND ASTM STANDARDS FOR SMOKE GENERATION AND FLAME SPREAD.

10) INSTALL ALL INSULATION PER MANUFACTURER'S RECOMMENDATIONS PROPERLY SECURED WITH MECHANICAL FASTENERS AND/OR ADHESIVES.

11) CONTRACTOR SHALL ENSURE THAT INSTALLED INSULATION IS NOT COMPRESSED BEYOND MANUFACTURER'S SPECIFICATION. 12) INSTALL ALL INSULATION PER MANUFACTURER'S RECOMMENDATIONS.

ТҮРЕ	THICKNESS IN.	REQUIRED K VALUE BTU*IN/(HR*FT ² * °F)	NOTES
ARMAFLEX ULTRA	1	0.27	1,2,3,4,5,6,7,8
ARMAFLEX ULTRA	1.5	0.27	1,2,3,4,5,6,7,8

INSULATION REQUIREMENTS: CONDENSATE PIPING

PIPING	ТҮРЕ	THICKNESS IN.	REQUIRED K VALUE BTU*IN/(HR*FT ² * °F)	NOTES
CONDENSATE LINES WITHIN BUILDING	JOHNS MANVILLE MICRO-LOK FIBER GLASS	1	0.23	1,2,4,5,6,
CONDENSATE LINES OUTSIDE BUILDING	NONE REQUIRED			3
2) ALL PIPING EXPOSED TO VIEW WITHIN BUIL	ITH ADHESIVE PER MANUFACTURER'S RECOMMENDATION. DING SHALL BE PAINTED TO MATCH SURROUNDING FINISHES. L CONDENSATE LINES ARE PROPERLY SLOPED TO PREVENT DA		NG	
			NC	
4) INSULATION SHALL BE CONTINUOUS FOR TH	E ENTIRE PIPE RUN, EXCEPT AS REQUIRED TO SUPPORT VERT	ICAL PIPES.		
5) CONTRACTOR SHALL INSTALL SHEET META	_ SLEEVES AT ALL SUPPORT TO PREVENT CRUSHING OF INSUL/	ATION.		
6) ALL HORIZONTAL RUNS OF PIPING SHALL BI	E SUPPORTED ON TRAPEZE SUPPORTS OR ANGLE BRACES SUP	PORTING PIPE FROM L	INDERNEATH.	
ALL REQUIRED VERTICAL SUPPORT INSULA	TION SHALL BE FITTED TIGHT TO SUPPORT, AND A TEMPERATU	JRE AND VIBRATION		

ISOLATOR SHALL BE INSTALLED BETWEEN PIPE AND SUPPORT.

TYPE	MATERIAL	MFG	MODEL	NOTES
1/2x1/2x1/2 EGGCRATE	ALUMINUM	NAILOR	51EC	1,2,4

	MCCATHREN ARCHITECTS, LLC 25 Green Bay Circle	as 79602 325-669-2584 hren.com staff@mccathren.com		
	MCCATHREN 25 Green Bay Circle	Abilene,Texas 79602 www.mccathren.com		
	RICHA RICHA ROSSISS 03-1	RD S. E 107179 /cense 0NAL	RYAN	
	BUFFALO GAP ROAD SUITE 0800 A DIL ENIE TEXAS 70606		13562	
	Bryan Parks &	Associates, Inc.	TEXAS REGISTERED ENGINEERING FIRM # F-13562	
	CARY SERVICES	909 PETROLEUM DRIVE	ABILENE, TEXAS	
	03-29-2	2023		
F	553-	12-21.0	DWG	

MECHANICAL SYMBOLS		7	GENERAL MECHANICAL NOTES:
DOUBLE LINE DESCRIPTION	SINGLE LINE ON -20×16	SUPPORT SADDLE FROM STRUCTURE USE RIGID ELBOWS	1. MECHANICAL EQUIPMENT AND MATERIALS FOR THE PROJECT SHALL BE NEW AND SHALL BE APPROVED, IDENTIFIE LABELED, AND LISTED FOR USE BY A TESTING LABORATORY RECOGNIZED BY THE BUILDING OFFICIAL. LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED AND USED IN ACCORDANCE WITH INSTRUCTIONS INCLUDED IN THE LIS
		FOR CHANGE OF DIRECTION GREATER THAN 45°.	OR LABELING. 2. DUCT SIZES SHOWN ARE CLEAR AIR STREAM DIMENSIONS, ADJUST SIZES TO ACCOMMODATE INSULATION (AS
MITERED ELBOW W/ TURNING VANES		FLEXIBLE DUCT SIZE	SPECIFIED). 3. DUCTWORK SHALL BE EXTERIOR INSULATED UNLESS OTHERWISE NOTED.
RADIUS ELBOW W/ VANE(S) [1.5=R/D STANDARD]	f ^{+s} s	SAME AS DIFFUSER	 PROVIDE A FLEXIBLE CONNECTION AT THE INTAKE AND DISCHARGE OF ALL MOTOR DRIVEN EQUIPMENT.
SUPPLY DUCT SECTION, POSITIVE PRESSURE		LENGTH.	5. FLEXIBLE DUCTWORK SHALL HAVE A MAXIMUM LENGTH OF 5'-0".
RETURN DUCT SECTION, NEGATIVE PRESSURE		SHEET METAL SADDLE	 PROVIDE FIRE DAMPERS, FIRE/SMOKE DAMPERS, AND FIRE STOP AS REQUIRED BY CODE AUTHORITIES FOR DUCT PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS, AND SMOKE COMPARTMENTS. REFER ARCHITECTURAL DRAWINGS.
EXHAUST DUCT SECTION, NEGATIVE PRESSURE		TYPICAL DIFFUSER OR REGISTER IN	7. LOCATE MECHANICAL EQUIPMENT FOR UNOBSTRUCTED ACCESS TO ALL UNIT ACCESS PANELS, CONTROLS, AND VALVES.
SUPPLY DUCT & AIRFLOW UP(LEFT), POSITIVE PRESSURE SUPPLY DUCT & AIRFLOW DOWN (RIGHT), POSITIVE PRESSURE		LAY-IN CLG.	8. CONTRACTOR SHALL PROVIDE AND INSTALL CONDENSATE LINES PER INTERNATIONAL MECHANICAL CODE.
		<u>NOTE:</u> THE USE OF FLEXIBLE AIR DUCT CONNECTORS ARE NOT PERMITTED ABOVE GYPSUM BOARD CEILINGS, SECURITY CEILINGS, OR ANY PLACE WHERE FLEXIBLE CONNECTORS ARE NOT ACCESSIBLE FOR INSPECTION AND/OR REPAIR.	 PROVIDE BALANCING DAMPERS, SPLITTER DAMPERS, OR AIR EXTRACTORS WITH LOCKING HANDLES IN ALL BRANCH DUCTS AND ALL TAKEOFFS.
SUPPLY DUCT & AIRFLOW UP(LEFT), NEGATIVE PRESSURE SUPPLY DUCT & AIRFLOW DOWN (RIGHT), NEGATIVE PRESSURE			10. CONSTRUCT ALL DUCTWORK IN ACCORDANCE WITH S.M.A.C.N.A. STANDARDS.
DUCT & AIRFLOW UP(LEFT), NEGATIVE PRESSURE DUCT & AIRFLOW DOWN (RIGHT), NEGATIVE PRESSURE	$\mathbb{O} \longrightarrow \mathbb{C}$		11. MECHANICAL EQUIPMENT SUPPORTS, AIR DUCTS, OR FITTINGS NOT SHOWN ON PLAN BUT IMPLIED FOR PROPER INSTALLATION, OPERATION OF SYSTEMS, OR CODE COMPLIANCE SHALL BE CONSIDERED AS PART OF THE MECHANI CONTRACTOR'S RESPONSIBILITY. MECHANICAL CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL ELECTRICAL
CHANGE OF ELEVATION = RISE (R), DROP (D)	<u>,</u>	1 FLEXIBLE AIR DUCT CONNECTOR DETAIL	EQUIPMENT REQUIRED FOR THE PROPER OPERATION OF THE MECHANICAL EQUIPMENT IS PROVIDED AND PROPERI CONNECTED BY THE ELECTRICAL CONTRACTOR.
	۶−−−۰۶	SCALE: NO SCALE	
	5		#3 BARS @ 12" 0.C.
FIRE DAMPER (FD), SMOKE DAMPER (SD), FIRE/SMOKE DAMPER (FSD)	, FSD →		L+6"
MANUAL VOLUME DAMPER (NO LABEL) OPPOSED BLADED DAMPER (OBD) PARALLEL BLADE DAMPER (PBD)	(TYPE	WHEN W<=18 IN., TYPE: RE1 R=1.5 × WWHEN W>18 IN., TYPE: RE2 MITERED WITH TURNING VANESWHEN W<=18 IN., TYPE: RE3 R=1.0 × W VANE1(V1)@0.72 × W VANE2(V2)@1.06 × W	
MOTORIZED DAMPER OR ZONE CONTROL DAMPER	, , , , , , , , , , , , , , , , , , ,		4" SAND 4" SAN
BRANCH TAP W/ 45° ENTRY	\$\$		PLAN VIEW SECTION 1. L IS OVERALL LENGTH OF EQUIPMENT.
20/10 10/10 TRANSITION	20/10-10/10		 2. WIDTH OF FOUNDATION SHALL BE OVERALL WIDTH OF EQUIPMENT + 1'-0". CONCRETE SHALL BE 2800 PSI AT 28 DAYS.
			 HORIZONTAL SURFACES SHALL BE TAMPED AND SCREEDED TO A TRUE SURFACE (NO ALL LOW SPOTS) AND STEEL TROWLED TO A HARD SLATELIKE SURFACE . THE PAD SHALL NOT BE MARKED OFF OR SCORED BUT SHALL BE ONE CONTINUOUS SURFACE. ALL VERTICAL EDGES SHALL HAVE A RUBBED FINISH.
EXISTING DUCTWORK SHOWN CROSSHATCHED TO BE DEMOLISHED			 CHAMFER ALL EDGES 1". COVER ALL CONCRETE WITH NO LESS THAN 1-1/2" OF CONCRETE
SUPPLY AIR DEVICE - CEILING		2 DUCT 90° ELBOW DETAILS	- 4 EQUIPMENT PAD DETAILS
RETURN AIR DEVICE - CEILING		NTS	
EXHAUST AIR DEVICE - CEILING			
SUPPLY AIR DEVICE - SIDEWALL	-		CLIPS (TYP)

RETURN / EXHAUST AIR DEVICE - SIDEWALL

-/-

- REGISTER TAG -BALANCED AIRFLOW REQUIRED AT REGISTER X CF SIZE - REQUIRED AT REGISTER T THERMOSTAT Т TEMPERATURE SENSOR H HUMIDISTAT Н HUMIDITY SENSOR C CARBON MONOXIDE SENSOR

CONNECT TO EXISTING

HV K1

Ð

. .

•

D

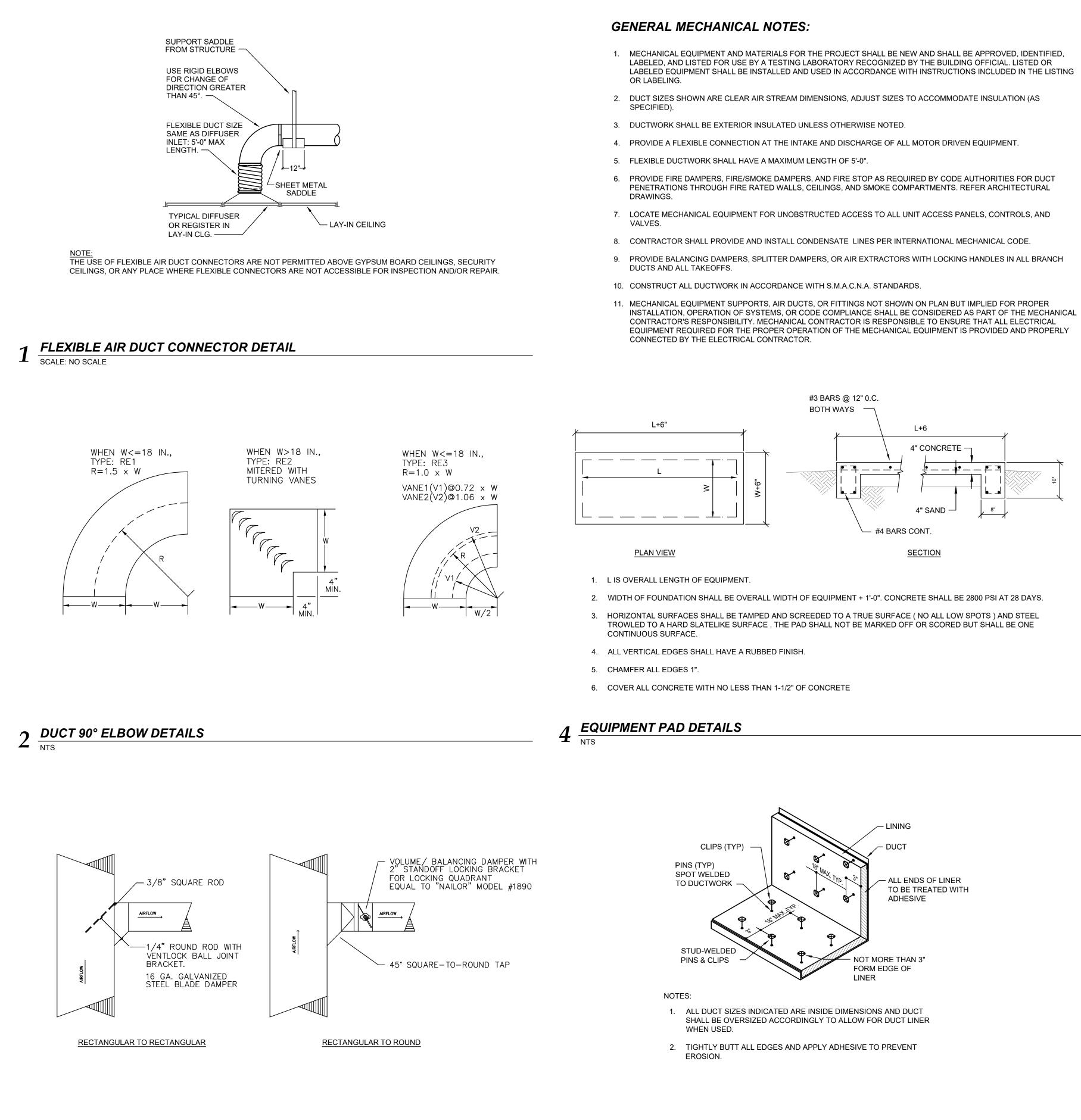
.

•

. .

Ŋ

GENERAL NOTES LEGENDS AND DETAILS



DUCT TAP DETAILS J NTS

-/-

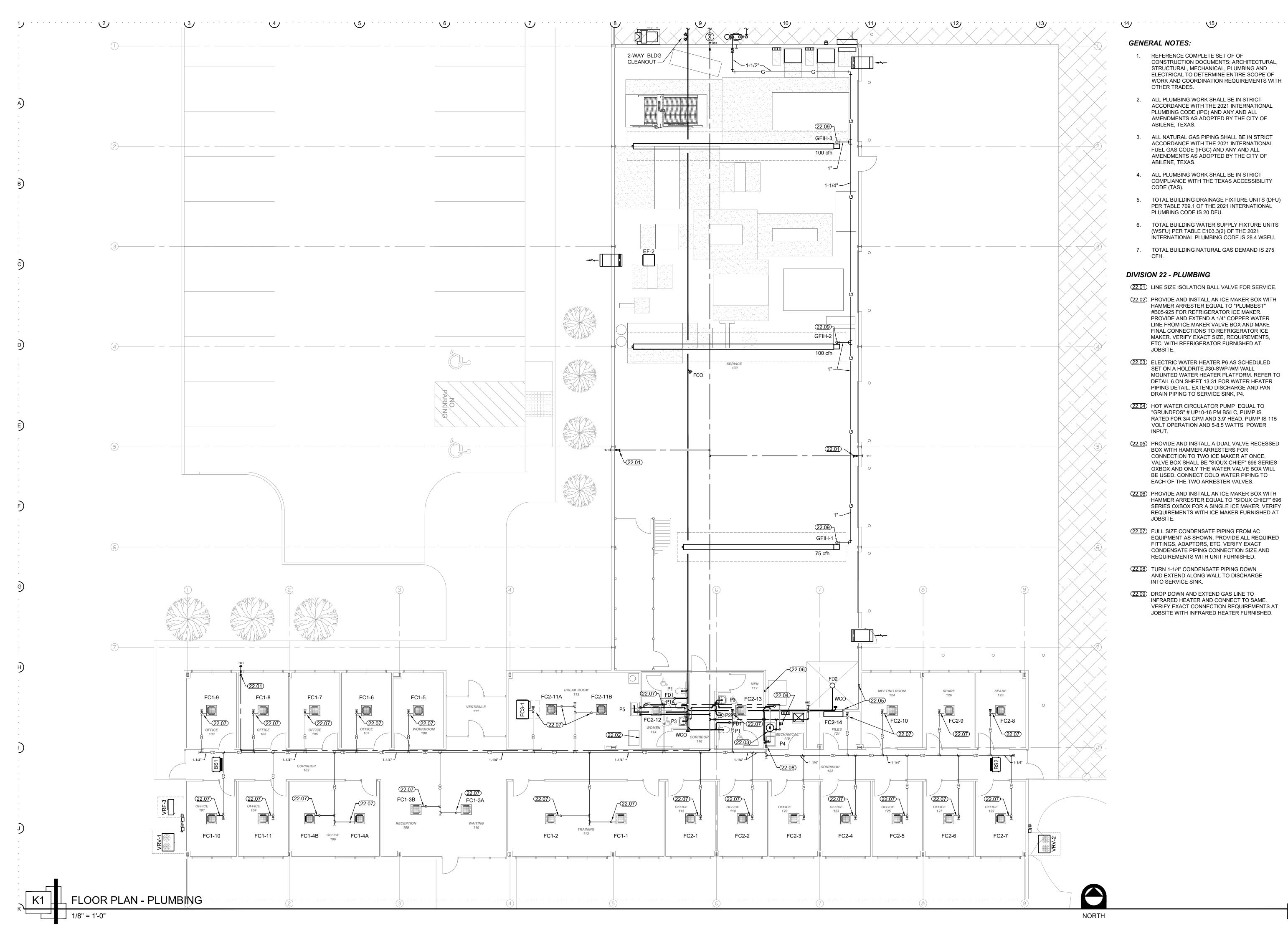
5 ACOUSTICAL DUCT TREATMENT DETAIL

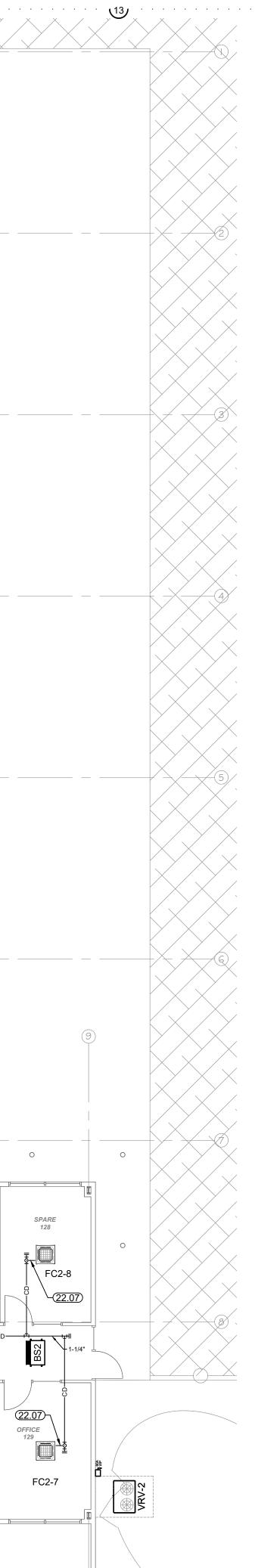
MCCATHREN ARCHITECTS, LLC 25 Green Bay Circle	325-669-2584 staff@mccathren.com	
MCCATHREN AF 25 Green Bay Circle	Abilene,Texas 79602 www.mccathren.com	
03-2	07179 CENSE WAL	RYAN
BUFFALO GAP ROAD SUITE 0800 ABILENE, TEXAS 79606		RM # F-13562
Bryan Parks &	Associates, Inc.	TEXAS REGISTERED ENGINEERING FIRM # F-13562
CARY SERVICES	909 PETROLEUM DRIVE	ABILENE, TEXAS
03-29-2	023	

553-12-30.DW

2.30

.

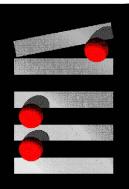




- REFERENCE COMPLETE SET OF OF CONSTRUCTION DOCUMENTS: ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL TO DETERMINE ENTIRE SCOPE OF WORK AND COORDINATION REQUIREMENTS WITH OTHER TRADES.
- 2. ALL PLUMBING WORK SHALL BE IN STRICT ACCORDANCE WITH THE 2021 INTERNATIONAL PLUMBING CODE (IPC) AND ANY AND ALL AMENDMENTS AS ADOPTED BY THE CITY OF ABILENE, TEXAS.
- 3. ALL NATURAL GAS PIPING SHALL BE IN STRICT ACCORDANCE WITH THE 2021 INTERNATIONAL FUEL GAS CODE (IFGC) AND ANY AND ALL AMENDMENTS AS ADOPTED BY THE CITY OF ABILENE, TEXAS.
- 4. ALL PLUMBING WORK SHALL BE IN STRICT COMPLIANCE WITH THE TEXAS ACCESSIBILITY CODE (TAS).
- 5. TOTAL BUILDING DRAINAGE FIXTURE UNITS (DFU) PER TABLE 709.1 OF THE 2021 INTERNATIONAL PLUMBING CODE IS 20 DFU.
- 6. TOTAL BUILDING WATER SUPPLY FIXTURE UNITS (WSFU) PER TABLE E103.3(2) OF THE 2021 INTERNATIONAL PLUMBING CODE IS 28.4 WSFU.
- 7. TOTAL BUILDING NATURAL GAS DEMAND IS 275 CFH.

DIVISION 22 - PLUMBING

- (22.01) LINE SIZE ISOLATION BALL VALVE FOR SERVICE.
- (22.02) PROVIDE AND INSTALL AN ICE MAKER BOX WITH HAMMER ARRESTER EQUAL TO "PLUMBEST" #B05-925 FOR REFRIGERATOR ICE MAKER. PROVIDE AND EXTEND A 1/4" COPPER WATER LINE FROM ICE MAKER VALVE BOX AND MAKE FINAL CONNECTIONS TO REFRIGERATOR ICE MAKER. VERIFY EXACT SIZE, REQUIREMENTS, ETC. WITH REFRIGERATOR FURNISHED AT JOBSITE.
- (22.03) ELECTRIC WATER HEATER P6 AS SCHEDULED SET ON A HOLDRITE #30-SWP-WM WALL MOUNTED WATER HEATER PLATFORM. REFER TO DETAIL 6 ON SHEET 13.31 FOR WATER HEATER PIPING DETAIL. EXTEND DISCHARGE AND PAN DRAIN PIPING TO SERVICE SINK, P4.
- (22.04) HOT WATER CIRCULATOR PUMP EQUAL TO "GRUNDFOS" # UP10-16 PM B5/LC, PUMP IS RATED FOR 3/4 GPM AND 3.9' HEAD. PUMP IS 115 VOLT OPERATION AND 5-8.5 WATTS POWER INPUT.
- (22.05) PROVIDE AND INSTALL A DUAL VALVE RECESSED BOX WITH HAMMER ARRESTERS FOR CONNECTION TO TWO ICE MAKER AT ONCE. VALVE BOX SHALL BE "SIOUX CHIEF" 696 SERIES OXBOX AND ONLY THE WATER VALVE BOX WILL BE USED. CONNECT COLD WATER PIPING TO EACH OF THE TWO ARRESTER VALVES.
- (22.06) PROVIDE AND INSTALL AN ICE MAKER BOX WITH HAMMER ARRESTER EQUAL TO "SIOUX CHIEF" 696 SERIES OXBOX FOR A SINGLE ICE MAKER. VERIFY REQUIREMENTS WITH ICE MAKER FURNISHED AT JOBSITE.
- (22.07) FULL SIZE CONDENSATE PIPING FROM AC EQUIPMENT AS SHOWN. PROVIDE ALL REQUIRED FITTINGS, ADAPTORS, ETC. VERIFY EXACT CONDENSATE PIPING CONNECTION SIZE AND REQUIREMENTS WITH UNIT FURNISHED.
- (22.08) TURN 1-1/4" CONDENSATE PIPING DOWN AND EXTEND ALONG WALL TO DISCHARGE INTO SERVICE SINK.
- (22.09) DROP DOWN AND EXTEND GAS LINE TO INFRARED HEATER AND CONNECT TO SAME. VERIFY EXACT CONNECTION REQUIREMENTS AT JOBSITE WITH INFRARED HEATER FURNISHED.

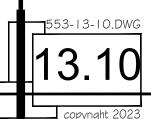




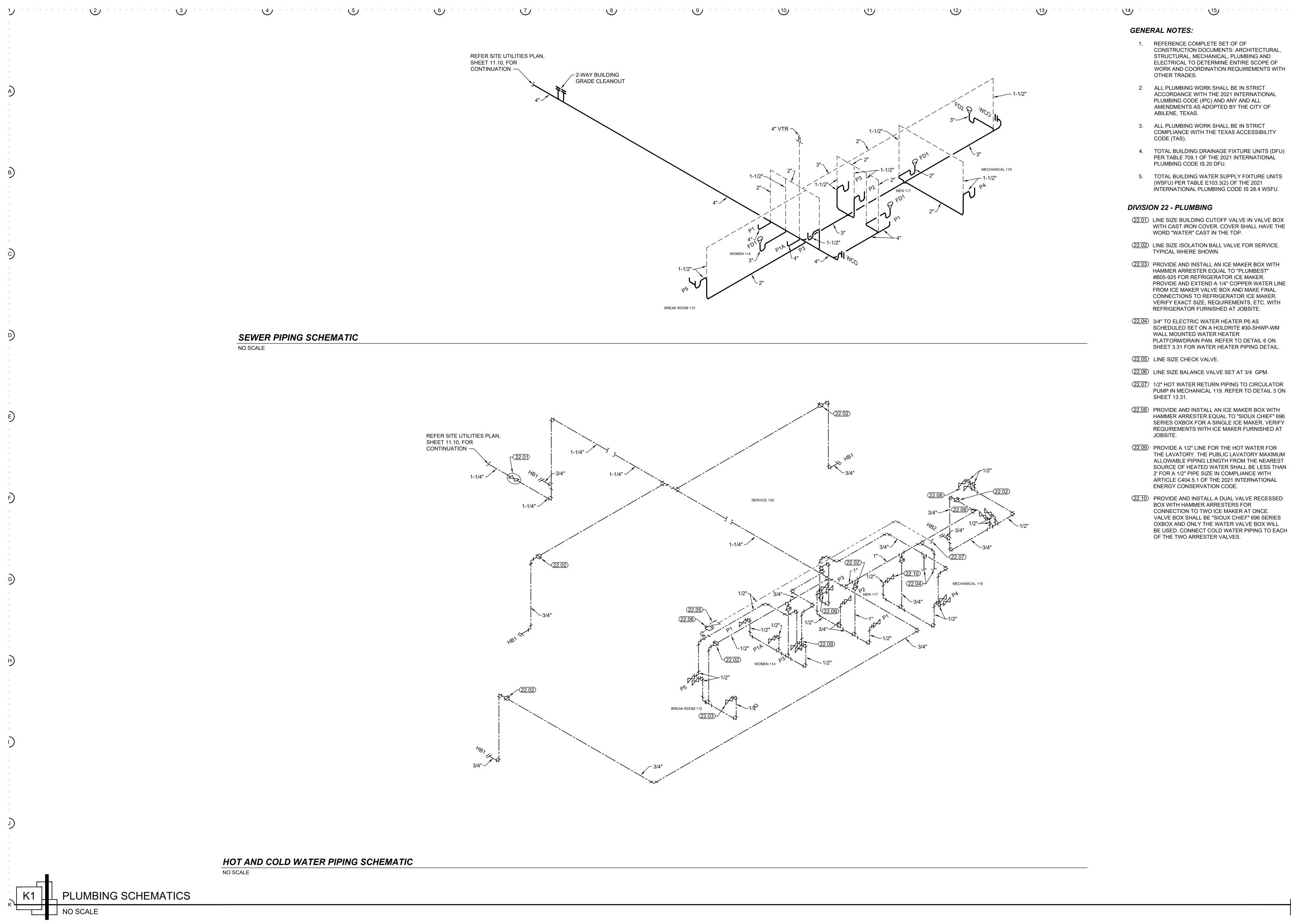


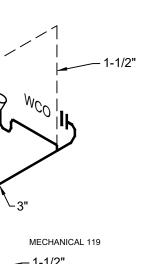






NORTH

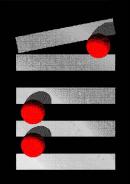




- 1. REFERENCE COMPLETE SET OF OF CONSTRUCTION DOCUMENTS: ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL TO DETERMINE ENTIRE SCOPE OF WORK AND COORDINATION REQUIREMENTS WITH OTHER TRADES.
- 2. ALL PLUMBING WORK SHALL BE IN STRICT ACCORDANCE WITH THE 2021 INTERNATIONAL PLUMBING CODE (IPC) AND ANY AND ALL AMENDMENTS AS ADOPTED BY THE CITY OF ABILENE, TEXAS.
- 3. ALL PLUMBING WORK SHALL BE IN STRICT COMPLIANCE WITH THE TEXAS ACCESSIBILITY CODE (TAS).
- 4. TOTAL BUILDING DRAINAGE FIXTURE UNITS (DFU) PER TABLE 709.1 OF THE 2021 INTERNATIONAL PLUMBING CODE IS 20 DFU.
- 5. TOTAL BUILDING WATER SUPPLY FIXTURE UNITS (WSFU) PER TABLE E103.3(2) OF THE 2021 INTERNATIONAL PLUMBING CODE IS 28.4 WSFU.

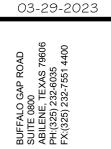
DIVISION 22 - PLUMBING

- (22.01) LINE SIZE BUILDING CUTOFF VALVE IN VALVE BOX WITH CAST IRON COVER. COVER SHALL HAVE THE WORD "WATER" CAST IN THE TOP.
- (22.02) LINE SIZE ISOLATION BALL VALVE FOR SERVICE. TYPICAL WHERE SHOWN.
- (22.03) PROVIDE AND INSTALL AN ICE MAKER BOX WITH HAMMER ARRESTER EQUAL TO "PLUMBEST" #B05-925 FOR REFRIGERATOR ICE MAKER. PROVIDE AND EXTEND A 1/4" COPPER WATER LINE FROM ICE MAKER VALVE BOX AND MAKE FINAL CONNECTIONS TO REFRIGERATOR ICE MAKER. VERIFY EXACT SIZE, REQUIREMENTS, ETC. WITH REFRIGERATOR FURNISHED AT JOBSITE.
- (22.04) 3/4" TO ELECTRIC WATER HEATER P6 AS SCHEDULED SET ON A HOLDRITE #30-SHWP-WM WALL MOUNTED WATER HEATER PLATFORM/DRAIN PAN. REFER TO DETAIL 6 ON SHEET 3.31 FOR WATER HEATER PIPING DETAIL.
- (22.05) LINE SIZE CHECK VALVE.
- (22.06) LINE SIZE BALANCE VALVE SET AT 3/4 GPM.
- (22.07) 1/2" HOT WATER RETURN PIPING TO CIRCULATOR PUMP IN MECHANICAL 119. REFER TO DETAIL 3 ON SHEET 13.31.
- (22.08) PROVIDE AND INSTALL AN ICE MAKER BOX WITH HAMMER ARRESTER EQUAL TO "SIOUX CHIEF" 696 SERIES OXBOX FOR A SINGLE ICE MAKER. VERIFY REQUIREMENTS WITH ICE MAKER FURNISHED AT JOBSITE.
- (22.09) PROVIDE A 1/2" LINE FOR THE HOT WATER FOR THE LAVATORY. THE PUBLIC LAVATORY MAXIMUM ALLOWABLE PIPING LENGTH FROM THE NEAREST SOURCE OF HEATED WATER SHALL BE LESS THAN 2' FOR A 1/2" PIPE SIZE IN COMPLIANCE WITH ARTICLE C404.5.1 OF THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE.
- (22.10) PROVIDE AND INSTALL A DUAL VALVE RECESSED BOX WITH HAMMER ARRESTERS FOR CONNECTION TO TWO ICE MAKER AT ONCE. VALVE BOX SHALL BE "SIOUX CHIEF" 696 SERIES OXBOX AND ONLY THE WATER VALVE BOX WILL BE USED. CONNECT COLD WATER PIPING TO EACH OF THE TWO ARRESTER VALVES.



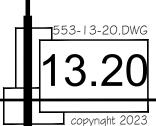








SERVICES \square Ш CARY BIL 606

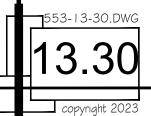


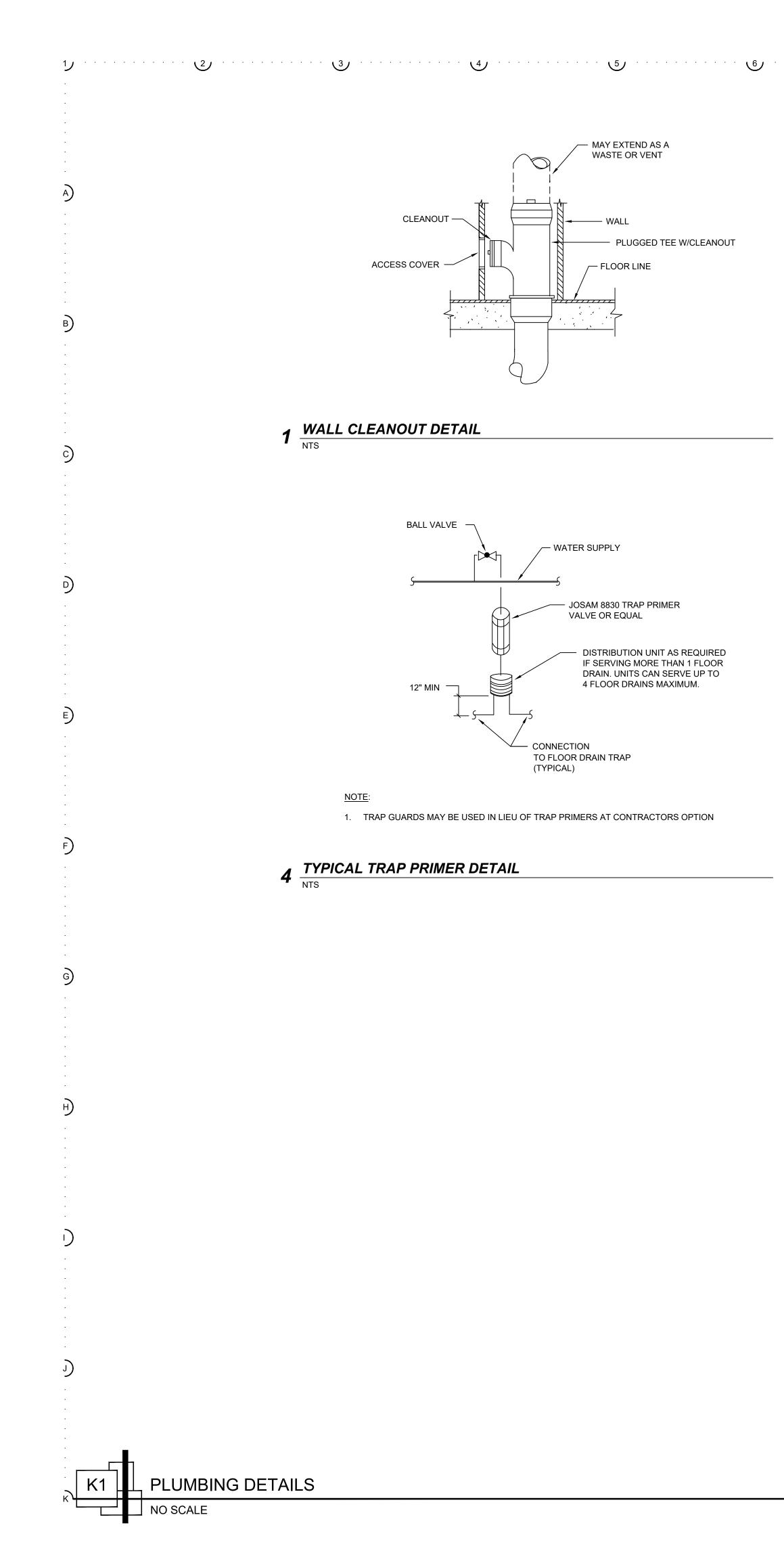
03-29-2023

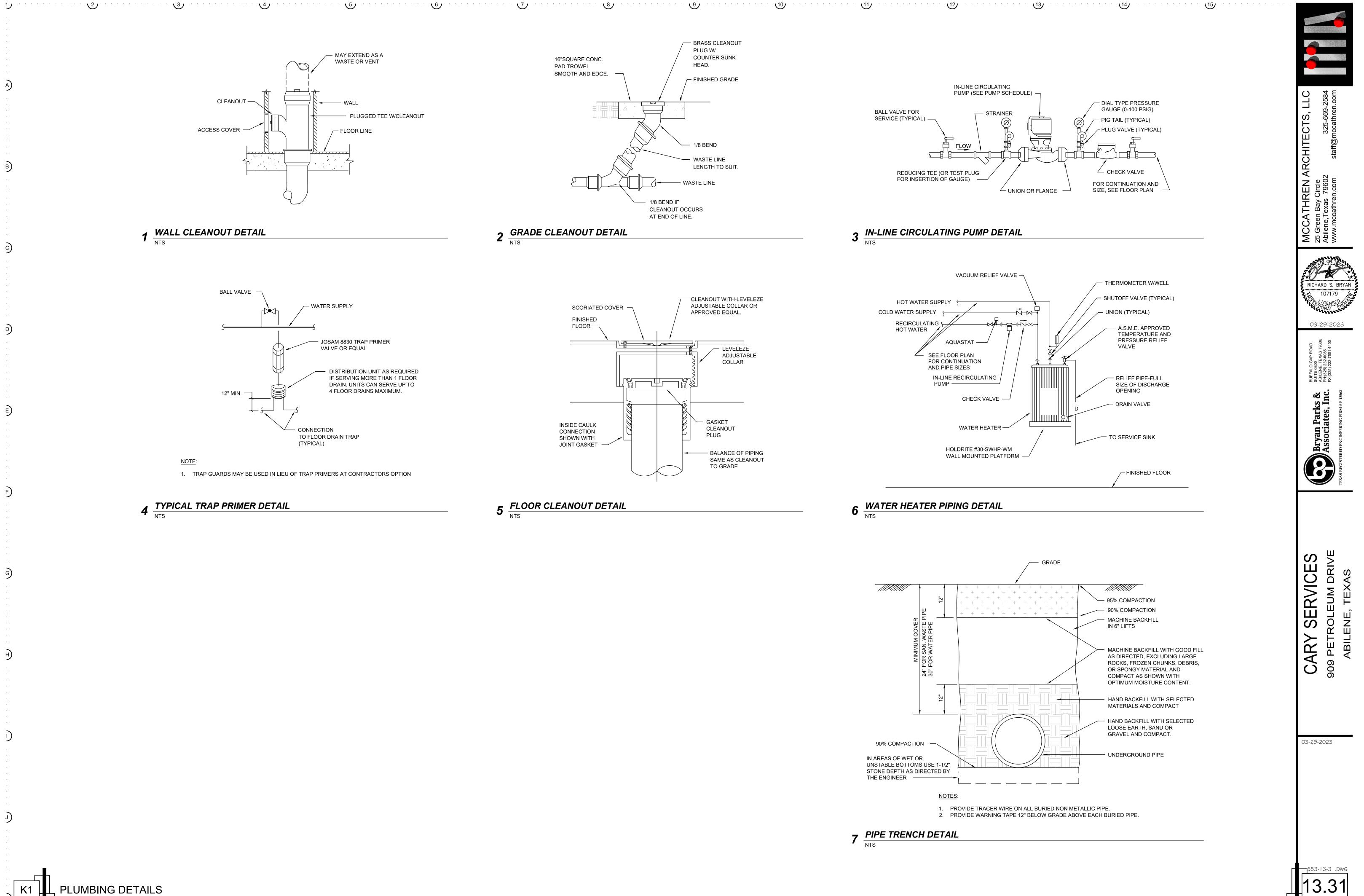
BIAL DAL CONSTRUCT NO FUNCTION DAL MARCHER RECEIVED MINING SUPE LINE OF THE ADDRESS AND SECTION THE ADDR		2				6	,				$\underbrace{10}$
			PLUMBING FIXTU	RE SCHEDULE							
			TAG FIXTURE	TYPE MANUFACTUR	ER MODEL NUMBER	TRAP	WASTE \	ENT CW	HW	DESC	RIPTION TRIM AND NOTES
			P1 WATER C	LOSET KOHLER	K-3999	4"	4"	2" 1/2"	-	COORDINATE WITH SUPPLIER AND PROVIDE TANK WITH RIGHT OR LEFT HAND FLU	JSH LEVER AS REQUIRED AND WHITE OPEN FRONT PLASTIC SEAT.
)				K-25087	4"	4"	2" 1/2"		COORDINATE WITH SUPPLIER AND PROVIDE TANK WITH RIGHT OR LEFT HAND FLU	JSH LEVER AS REQUIRED AND WHITE OPEN FRONT PLASTIC SEAT.
			P2 URIN	AL KOHLER	K-4991-ET	2"	2" 1	-1/2" 3/4"		PROVIDE SLOAN ROYAL 186-0.125 POLISHED CHROME FINISH FLUSH VALVE WITH 0	
			P3 LAVATO	DRY KOHLER	K-2005	1-1/2"	1-1/2" 1	-1/2" 1/2"	1/2"	PROVIDE KOHLER "TRITON BOWE" K-400T20-4ANA, 0.5 GPM FLOW RATE AT 60 PSI C	CHROME PLATED FAUCET FOR 4" CENTERS AND WITH WRISTBLADE HANDLES.
N Instrum Inst					MS2620-DF1	1-1/2"	1-1/2" 1	-1/2" 1/2"	1/2"		
No. No. <td></td> <td></td> <td>P5 COUNTER M</td> <td>OUNTED ELKAY</td> <td>LRAD332265</td> <td>1-1/2"</td> <td>1-1/2" 1</td> <td>-1/2" 1/2"</td> <td>1/2"</td> <td>STOPS, RISERS, AND CENTERED REAR DRAINS. TRUEBRO GUARD KIT WHERE REC</td> <td></td>			P5 COUNTER M	OUNTED ELKAY	LRAD332265	1-1/2"	1-1/2" 1	-1/2" 1/2"	1/2"	STOPS, RISERS, AND CENTERED REAR DRAINS. TRUEBRO GUARD KIT WHERE REC	
Image: Control of the contro			P6 10 GAL	LON A.O. SMITH	DEL-10			3/4"	3/4"	WATER HEATER SHALL BE 10 GALLON CAPACITY AND RATED FOR 150 PSI OPERAT THE STANDBY LOSS REQUIREMENTS OF THE U.S. DEPARTMENT OF ENERGY AND O SINGLE PHASE OPERATION AND HAVE A RECOVERY RATE OF 12 GALLONS PER HO	TION AND EQUIPPED WITH HIGH DENSITY ANODE ROD. HEATER SHALL MEET CURRENT EDITION OF ASHRAE/IES 90.1. HEATER SHALL BE FOR 208 VOLT,
			FD1 FLOOR I	DRAIN JOSAM	3000-A SERIES	-	-		-	CAST IRON BODY FLOOR DRAIN WITH CHROME PLATED NIKALOY SUPER-FLO STRA	
III Augency Big III III III IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII			FD2 FLOOR I	DRAIN JOSAM	3220-SD						
 Provide the state of t					B65			3/4"			
 1 NAME CONTRACT FUNCTIONAL ALL TRADUCTIONAL PRODUCTIONAL OF ADD ADD ADD ADD ADD ADD ADD ADD ADD AD			HB2 WALL HYI	DRANT WOODFORE	MODEL 24P			3/4"		WALL FAUCET FOR NON-FREEZING AREAS WITH ANTI-SIPHON VACUUM BREAKER.	ASSE STANDARD 1011 APPROVED. 3/4" HOSE CONNECTION.
 Hendrack, Handbook, and Looki united Recurstice Hower, Lookin Loo Hendrack, Handbook, and Looki united Recurstice Hower, Recurstic		G	ENERAL PLUMBIN	IG NOTES:							
Description Controlled of the Perturbation Line Xub TC Not OF the Back BE Controlled of the Perturbation Source Series Beneficiants Suck BE Controlled O			REGULATIONS,	STANDARDS, AND LOC	AL AUTHORITIES HAVING LAWFUL						20. PROVIDE ALL PLUMBING FIXTURES WITH ACCESSIBLE STOPS.
 NAMES OF THESE, WITCHESE WITCHESE AND PORTAGE OF THE ACCOUNT WITCHESE TO PORT OF THE ACCOUNT WITCHESE AND PORTAGE OF THE ACCO			CONDITIONS OF TERMS OR PRO\	SERVICES OF THE ELECTR	RICAL UTILITY, AND ETC. NONE OF THE TION DOCUMENTS OR SPECIFICATIONS		JO	BSITE BEFO	RE COMM	ENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT	22. INSTALL CODE APPROVED WATER HAMMER ARRESTORS WHERE QUICK CLOSIN
constructions constructions where the constructions where head a wart of the constructions is not			STANDARDS OF	THESE AUTHORITIES.			TH	E JOB SITE	DAILY AN	D REMOVE FROM THE PREMISES ANY DIRT AND DEBRIS	
Image: Construction DOCUMENTS WOLDER AND INCLUE PULL DRUMENDS, AND ELECTRICAL DRUMINGS AND SECTIONS PORTICION OF PROPERTY ACANAGE THE THET, AND ENVIRONMENTAL CONSTRUCTS ICOLOTION WITH RUMENDS AND CHEERENCES ICOLOTION WITH RUMENDS AND CHEERENCES Image: Construction of property acanage them to the construction of property acanage them to them them to them thanks to instruct them to them them them them them to them them them them them them them to them them them to them them them them them them them to them them them them them them them them			COMPLETE SET	OF DRAWINGS AND SPECIF	CATIONS WHICH FORM A PART OF THE						24. ALL LAVATORY AND SINK WASTE AND TRAPS SHALL BE 17 GAUGE BRAS DEARBORN BRASS OR EQUAL.
 PROR TO RIDONG, THE CONTRACTOR SHALL VISIT THE SITE TO VERIEV EXISTING CONDITIONS AND FEASILINGS HALL VISIT THE SITE TO VERIEV EXISTING CONDITIONS AND FEASILINGS HALL VISIT THE SITE TO VERIEV EXISTING CONDITIONS AND FEASILINGS HALL VISIT THE SITE TO VERIEV EXISTING CONDITIONS AND FEASILINGS HALL LEAD RUMENS. ALL PLUMING COURS HALL AND READ FEASILIE WITH THE SITE TO VERIEV EXISTING CONDITIONS AND FEASILINGS HALL LEAD RUMENS. ALL PLUMING COURS HALL AND RUMENS HALL AND RUMENS HALL BE DEFINED EXISTING CONDITIONS HALL READ FEASILIE WITH E CONTRACTOR SHALL EXISTING THE CONTRACTOR SHALL EXISTING PARTICLE ON RUMENS, SPECIFICATIONS, HE ZARE, PARTICLE AND SITE TO FEASILIE AND SITE TO FEASILIE AND RUMENS HALL EXISTING THE REQUERT HALL HE MAINTER SHALLE AND RUMENS, SPECIFICATIONS, HE ZARE, PARTICLE AND RUMENS AND RUMENS HALL AND RUMENS HAL			CONSTRUCTION ARCHITECTURAL	DOCUMENTS WHICH , STRUCTURAL, MECHAN	INCLUDE BUT NOT LIMITED TO		PR	OTECTION			25. PLUMBING CONTRACTOR AND GENERAL CONTRACTOR SHALL COORDINATE VEI LOCATION WITH BUILDING ROOF FRESH AIR INLETS TO MAINTAIN REQUIRI CLEARANCES.
AND LOCAL REQUIREMENTS INVOLVED SUBJUST. ALL PLUMBING EQUIPMENT AND MATERNALS FOR THE PROJECT SHALL BE NEW AND SHALL BE DEFINED SHALL S			3. PRIOR TO BIDDI	IG, THE CONTRACTOR SHA			EA	CH TRADE	SHALL H	AVE SUFFICIENT SPACE TO INSTALL THEIR EQUIPMENT	27. FLUSH HANDLES ON ADA/TAS ACCESSIBLE WATER CLOSET SHALL BE MOUNTED (
CONSTRUCTION DOCUMENTS: SHOULD THE CONTRACTOR ONES SITE CONTRACTOR SO, SITE CONTROLOG AS,			EVIDENCE OF SU	CH VISIT.			SH	ALL BE APP	ROVED, II	ENTIFIED, LABELED, AND LISTED FOR USE BY A TESTING	28. PROVIDE INSULATION AND HEAT TRACE FOR ABOVE GRADE PIPING SUBJECT
MADE FOR WORK PERFORMED OUT OF COMPLIANCE AND SUCH DEFICIENCIES THAT AUTHORITIES FOR PIPE PENETRATIONIS THROUGH FIRE RATED FLOORS, WALLS, AND CELLINGS, REFER ARCHITECTURAL DRAWINGS. JUNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, BYAASES, AND IN LONG PIPING RUNS (100 FT OR MORE) TO PERMIT DISASEMENT, BYAASES, AND IN LONG PIPING RUNS (100 FT OR MORE) TO PERMIT DISASEMENT, BYAASES, AND IN LONG PIPING RUNS (100 FT OR MORE) TO PERMIT DISASEMENT, BYAASES, AND IN LONG PIPING RUNS (100 FT OR MORE) TO PERMIT DISASEMENT, STATED IN DETAIL BY THE SPECIFICATIONS OR DRAWINGS, BUT INCIDENTAL TO OR NECESSARY FOR THE COMPLETE INSTALLATION AND PROPER OPERATION OF ALL PHASES OF WORK DESCRIBED HEREIN, SHALL BE PROVIDED. IN ALL SANITARY SEWER PIPING UNDER SLAB SHALL BE 2" OR LARGER. IN ALL CONNECTIONS, MADE OF DISSIMILAR METALS SHALL UTILIZE CODE APPROV DIELECTRIC UNIONS. IN DEFINING SON THE COMPLETE INSTALLATION OF ALL MEAN "FURNISH & INSTALL". THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL THE OTHER TRADES PRIOR CONTRACTOR, SHALL COORDINATE HIS WORK WITH ALL THE OTHER TRADES PRIOR CONTRACTOR, SHALL COORDINATE HIS WORK WITH ALL THE OTHER TRADES PRIOR CONTRACTOR, SHALL COORDINATE HIS WORK WITH ALL THE OTHER TRADES PRIOR CONTRACTOR, SHALL COORDINATE HIS WORK WITH ALL THE OTHER TRADES PRIOR CONTRACTOR, SHALL COORDINATE HIS WORK WITH ALL THE OTHER TRADES PRIOR CONTRACTOR, SHALL COORDINATE HIS WORK WITH ALL THE OTHER TRADES PRIOR CONTRACTOR, SHALL COORDINATE HIS WORK WITH ALL THE OTHER TRADES PRIOR CONTRACTOR, SHALL COORDINATE HIS WORK WITH ALL THE OTHER TRADES PRIOR CONTRACTOR, SHALL COORDINATE, HIS WORK WITH ALL THE OTHER TRADES PRIOR CONTRACTOR, SHALL COORDINATE HIS WORK WITH ALL THE OTHER TRADES PRIOR CONTRACTOR, SHALL COORDINATE, HIS WORK WITH ALL THE OTHER TRADES PRIOR CONTRACTOR, SHALL COORDINATE, HIS WORK WITH ALL THE OTHER TRADES PRIOR ALL MODIEL NUMBERS INDICATED ARE PROVIDED T			CONSTRUCTION BETWEEN DRAW MANUFACTURER	DOCUMENTS. SHOULD TH INGS, SPECIFICATIONS, GO 'S DIRECTIONS, HE SHALL	E CONTRACTOR NOTE DISCREPANCIES /ERNING CODES, SITE CONDITIONS, OR PROMPTLY NOTIFY THE ENGINEER IN		EC INS	UIPMENT S STRUCTIONS	HALL BE INCLUDE	INSTALLED AND USED IN ACCORDANCE WITH ANY D IN THE LISTING OR LABELING.	29. ALL PIPING, VENTS, DUCTS, ECT. EXTENDING THROUGH WALLS AND ROOFS SHA BE FLASHED AND COUNTERFLASHED IN A WATERPROOF MANNER. SEAL A PENETRATIONS OF THE FLOOR/CEILING ASSEMBLY AND RATED WALLS WITH
RESPECT. ALL ITEMS OF LABOR, MATERIAL, OR EQUIPMENT NOT SPECIFICALLY STATED IN DETAIL BY THE SPECIFICATIONS OR DRAWINGS, BUT INCIDENTAL TO OR NECESSARY FOR THE COMPLETE INSTALLATION AND PROPER OPERATION OF ALL PHASES OF WORK DESCRIBED HEREIN, SHALL BE PROVIDED. WHERE THE TERM "PROVIDE" IS USED IT SHALL MEAN "FURNISH & INSTALL". THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL THE OTHER TRADES PRIOR TO FABRICATION, PURCHASE, AND/OR INSTALLATION OF ALL WORK. ALL MODEL NUMBERS INDICATED DARE PROVIDED TO ESTABLISH THE QUALITY LEVEL AND FEATURES REQUIRED. LISTED MANUFACTURERS AND OTHER PRIOR APPROVED EQUALS MAY BE SUBSTITUTED WHEN PROVIDED WITH EQUAL 19. WHERE DEVISION OF ALL WORK. APPROVED EQUALS MAY BE SUBSTITUTED WHEN PROVIDED WITH EQUAL			MADE FOR WORK	PERFORMED OUT OF COM			AL	THORITIES	FOR PIPE	PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS,	30. UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, BYPASSES, AND IN LONG PIPING RUNS (100 FT OR MORE) TO PERMIT DISASSEMBL
 Mere the term "provide" is used. it shall mean "furnish & install". The Contractor shall coordinate his work with all the other trades prior to fabrication, purchase, and/or installation of all work. Muldel numbers indicated are provided to establish the quality level AND features required. Listed Manufacturers and other Prior APProved equals May be substituted when provided with equal Where the substituted when provided with equal Where the term "provide quality level AND features required the substituted when provided with equal Where the substituted when the substituted when provided with equal Where the substituted when t			RESPECT. ALL STATED IN DETA NECESSARY FOF	ITEMS OF LABOR, MATERIA IL BY THE SPECIFICATIONS THE COMPLETE INSTALLA	AL, OR EQUIPMENT NOT SPECIFICALLY OR DRAWINGS, BUT INCIDENTAL TO OR TION AND PROPER OPERATION OF ALL		RU HC	NS, AT CHA RIZONTAL R	NGES IN E UNS AND	IRECTION NEAR THE BASE OF STACKS, EVERY 75 FEET IN ELSEWHERE AS INDICATED.	31. ALL CONNECTIONS MADE OF DISSIMILAR METALS SHALL UTILIZE CODE APPROVE
18. PROVIDE ACCESS DOORS IN INACCESSIBLE FINISHES FOR ALL VALVES, TRAP 7. ALL MODEL NUMBERS INDICATED ARE PROVIDED TO ESTABLISH THE QUALITY LEVEL PRIMERS, ETC. THAT REQUIRE PERIODIC ADJUSTMENTS OR MAINTENANCE. AND FEATURES REQUIRED. LISTED MANUFACTURERS AND OTHER PRIOR PRIMERS, ETC. THAT REQUIRE PERIODIC ADJUSTMENTS OR MAINTENANCE. APPROVED EQUALS MAY BE SUBSTITUTED WHEN PROVIDED WITH EQUAL 19. WHERE DOMESTIC COLD AND HOT WATER PIPING DROPS INTO A PIPE CHASE, THE			PHASES OF WOR				17. INS	STALL PIPIN	G SO TH/	AT VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND	32. PROVIDE MAINTENANCE AND/OR OTHER CLEARANCES AT EACH PIECE (EQUIPMENT AS REQUIRED OR RECOMMENDED BY THE EQUIPMEI MANUFACTURER. COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE AM
APPROVED EQUALS MAY BE SUBSTITUTED WHEN PROVIDED WITH EQUAL 19. WHERE DOMESTIC COLD AND HOT WATER PIPING DROPS INTO A PIPE CHASE, THE			-		K WITH ALL THE OTHER TRADES PRIOR						
			CONTRACTOR SET TO FABRICATION 7. ALL MODEL NUM	HALL COORDINATE HIS WOR , PURCHASE, AND/OR INSTA BERS INDICATED ARE PROV	LLATION OF ALL WORK. IDED TO ESTABLISH THE QUALITY LEVEL						ADDITIONAL SPACE REQUIRED FOR SUBMITTED EQUIPMENT.
			CONTRACTOR SET TO FABRICATION 7. ALL MODEL NUM AND FEATURES APPROVED EQU	HALL COORDINATE HIS WOR , PURCHASE, AND/OR INSTA BERS INDICATED ARE PROV 5 REQUIRED. LISTED MA JALS MAY BE SUBSTITU	LLATION OF ALL WORK. IDED TO ESTABLISH THE QUALITY LEVEL NUFACTURERS AND OTHER PRIOR TED WHEN PROVIDED WITH EQUAL		PR 19. Wł	IMERS, ETC. HERE DOMES	THAT REC	AND HOT WATER PIPING DROPS INTO A PIPE CHASE, THE	ADDITIONAL SPACE REQUIRED FOR SUBMITTED EQUIPMENT.

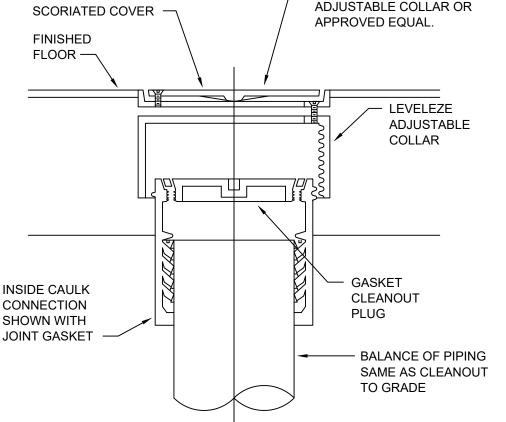
- K CLOSING
- JGE BRASS.
- INATE VENT I REQUIRED
- IOUNTED ON
- SUBJECT TO
- OOFS SHALL R. SEAL ALL LLS WITH A
- UIPMENT, IN SASSEMBLY
- APPROVED
- PIECE OF EQUIPMENT ROVIDE ANY

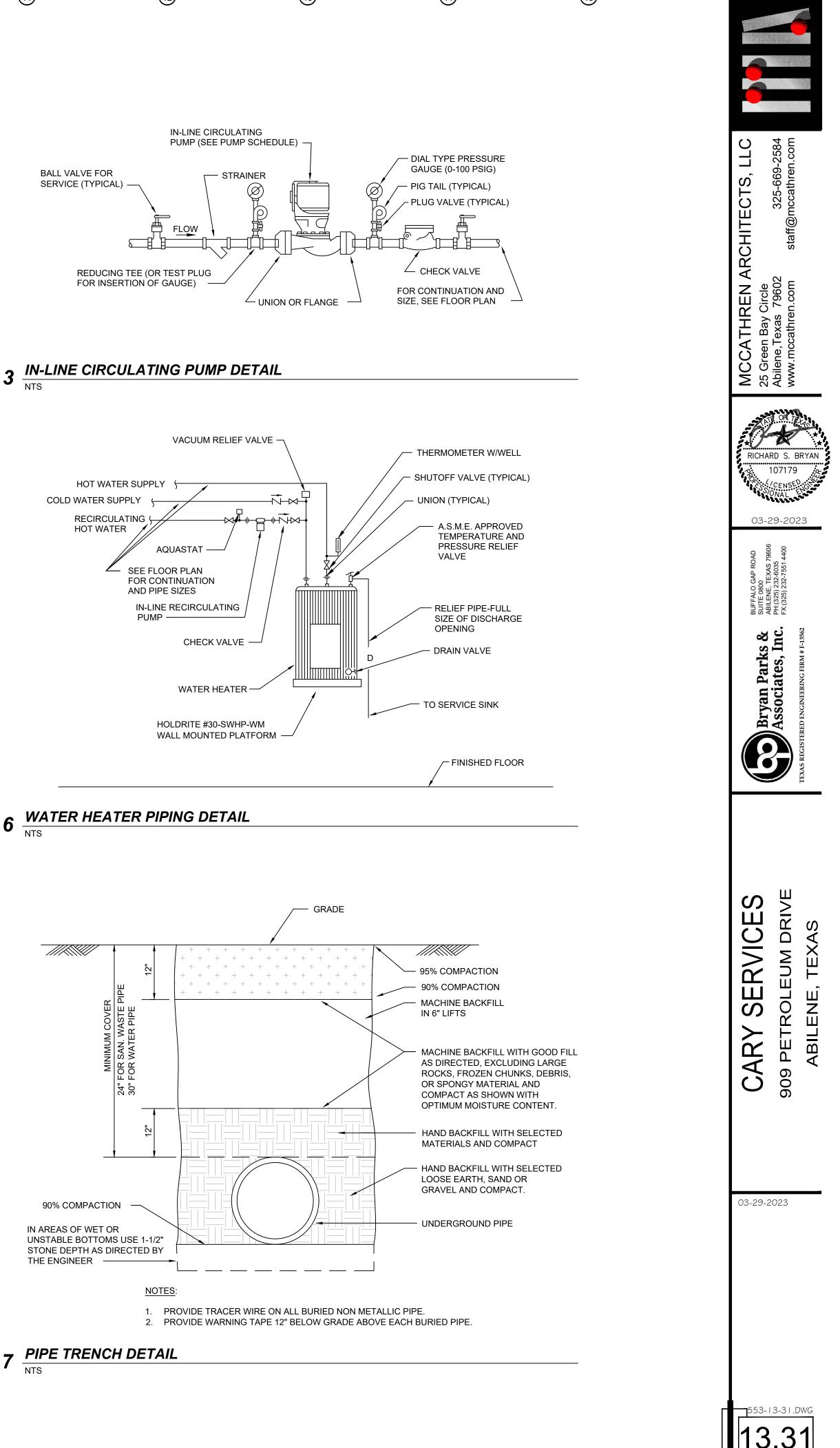
	PLUMBING SYMBO SINGLE LINES INDICATE NEW	OLS AND LINE TYPES	
	DOUBLE LINES INDICATE EXIS	TING	
		COLD WATER	
		HOT WATER	CTS, LLC 325-669-2584 nccathren.com
		HOT WATER RETURN	CTS, 25-669 cathre
	SS	SANITARY SEWER (UTILITY)	THREN ARCHITECTS, LLC Bay Circle 325-669-2584 exas 79602 325-669-2584 athren.com staff@mccathren.com
		SANITARY SEWER	Stat stat
		SEWER VENT	KEN AF Circle 79602 1.com
	CD	CONDENSATE	THREN Bay Circle exas 7960; athren.com
	G	NATURAL GAS	MCCATHREN 25 Green Bay Circle Abilene,Texas 79602 www.mccathren.com
	+0+	TEE TURNS UP	MCCA 25 Green Abilene, Te www.mcc
	+O	ELL TURNS UP	KTE OF T
		TEE TURNS DOWN	
		ELL TURNS DOWN	RICHARD S. BRYAN
			SSONAL ENGLISH
		UNION	03-29-2023
		FLANGED CONNECTION / BLIND FLANGE	BUFFALO GAP ROAD SUITE 0800 ABILENE, TEXAS 79606 PH:(325) 232-635 FX:(325) 232-7551 4400
]	PIPE CAP	UFFALO G UITE 0800 BILENE, TI H:(325) 233 X:(325) 233
		CONCENTRIC REDUCER	
	<u></u>	ECCENTRIC REDUCER	Parks ates, I1
		FLOW ARROW	ryan Par ssociates
	\	BALL VALVE	Bryan Parks & Associates, Inc. s registered engineering firm # F-1362
	——————————————————————————————————————	GATE VALVE	
		CHECK VALVE	TEXA
	ⁿ	BALANCE VALVE	
K CLOSING		HOSE BIBB	
	1	CLEANOUT (FLOOR, WALL, OR GRADE)	
GE BRASS.		VENT THRU ROOF	CARY SERVICES 909 PETROLEUM DRIVE ABILENE, TEXAS
IATE VENT REQUIRED			ARY SERVICES Petroleum drive Abilene, texas
REQUIRED	⊖ FD	FLOOR DRAIN	
DUNTED ON			
JBJECT TO			CARY 009 PETF
OFS SHALL SEAL ALL			
LS WITH A			
IPMENT, IN			
ASSEMBLY			03-29-2023
APPROVED			
PIECE OF			
EQUIPMENT DVIDE ANY			



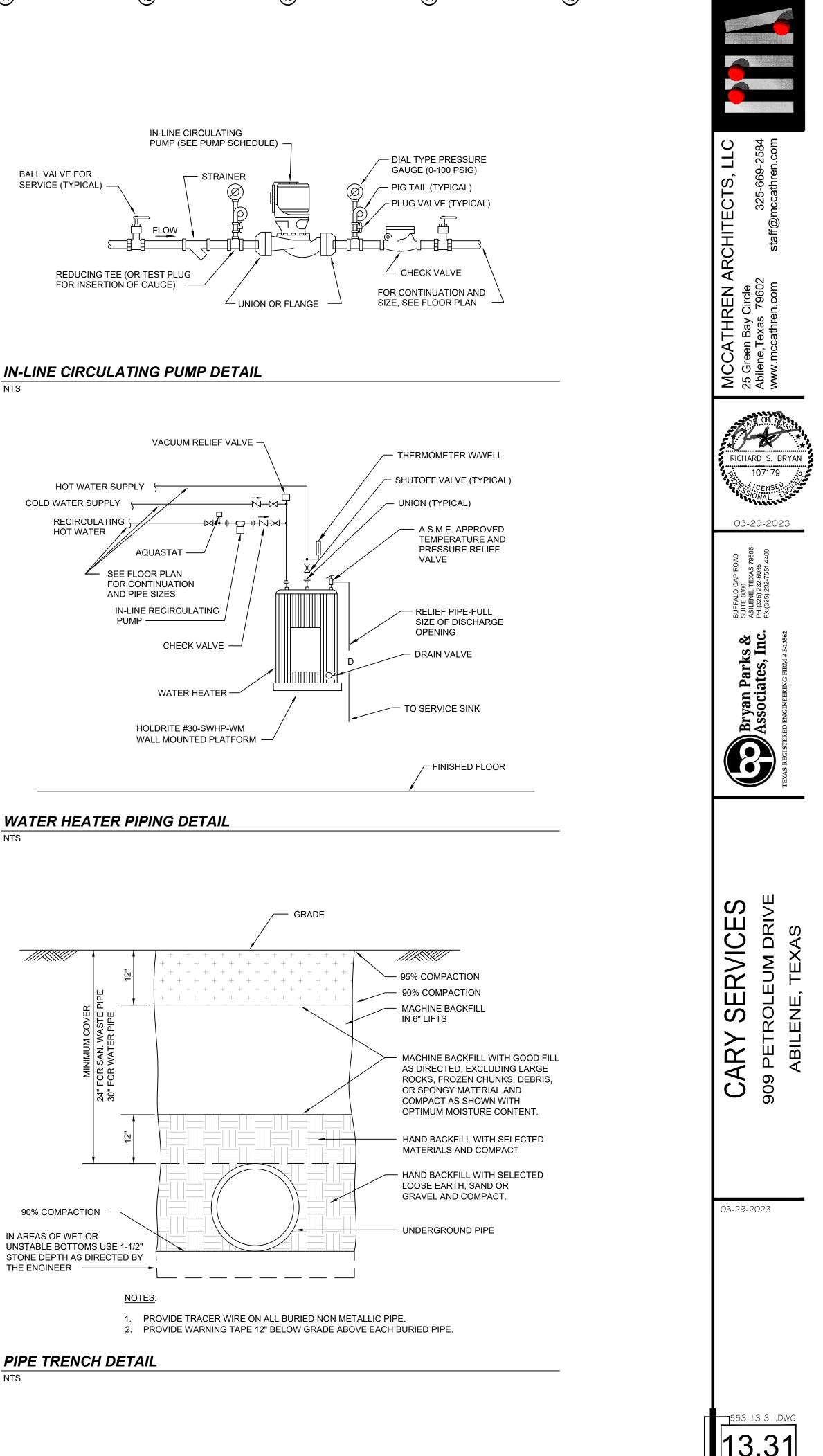


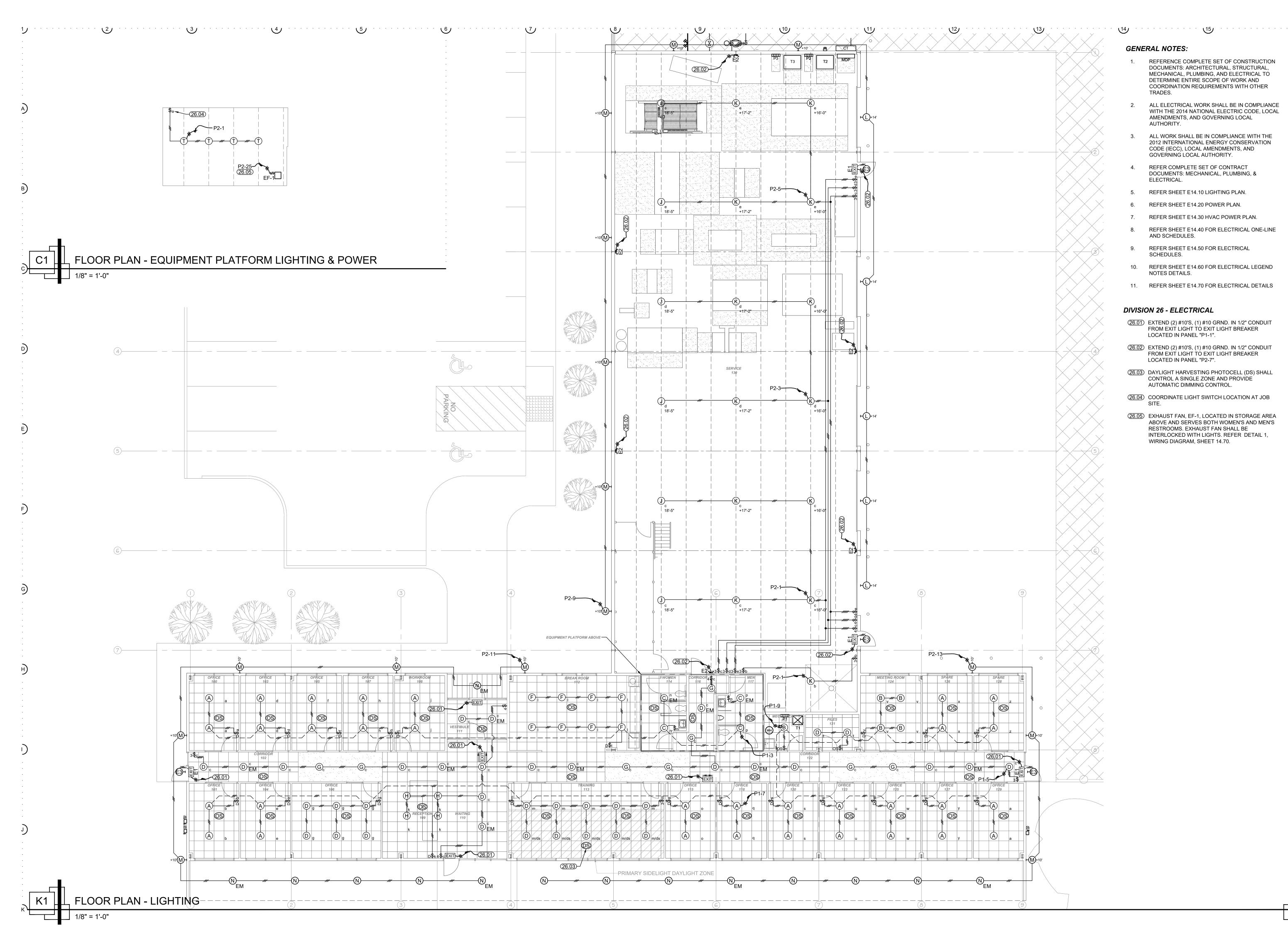












- REFERENCE COMPLETE SET OF CONSTRUCTION 1. DOCUMENTS: ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL TO DETERMINE ENTIRE SCOPE OF WORK AND COORDINATION REQUIREMENTS WITH OTHER TRADES.
- ALL ELECTRICAL WORK SHALL BE IN COMPLIANCE 2. WITH THE 2014 NATIONAL ELECTRIC CODE, LOCAL AMENDMENTS, AND GOVERNING LOCAL AUTHORITY.
- ALL WORK SHALL BE IN COMPLIANCE WITH THE 3. 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), LOCAL AMENDMENTS, AND GOVERNING LOCAL AUTHORITY.
- REFER COMPLETE SET OF CONTRACT 4. DOCUMENTS: MECHANICAL, PLUMBING, & ELECTRICAL.
- 5. REFER SHEET E14.10 LIGHTING PLAN.
- REFER SHEET E14.20 POWER PLAN. 6.
- REFER SHEET E14.30 HVAC POWER PLAN.
- REFER SHEET E14.40 FOR ELECTRICAL ONE-LINE 8. AND SCHEDULES.
- REFER SHEET E14.50 FOR ELECTRICAL 9. SCHEDULES.
- 10. REFER SHEET E14.60 FOR ELECTRICAL LEGEND NOTES DETAILS.
- 11. REFER SHEET E14.70 FOR ELECTRICAL DETAILS

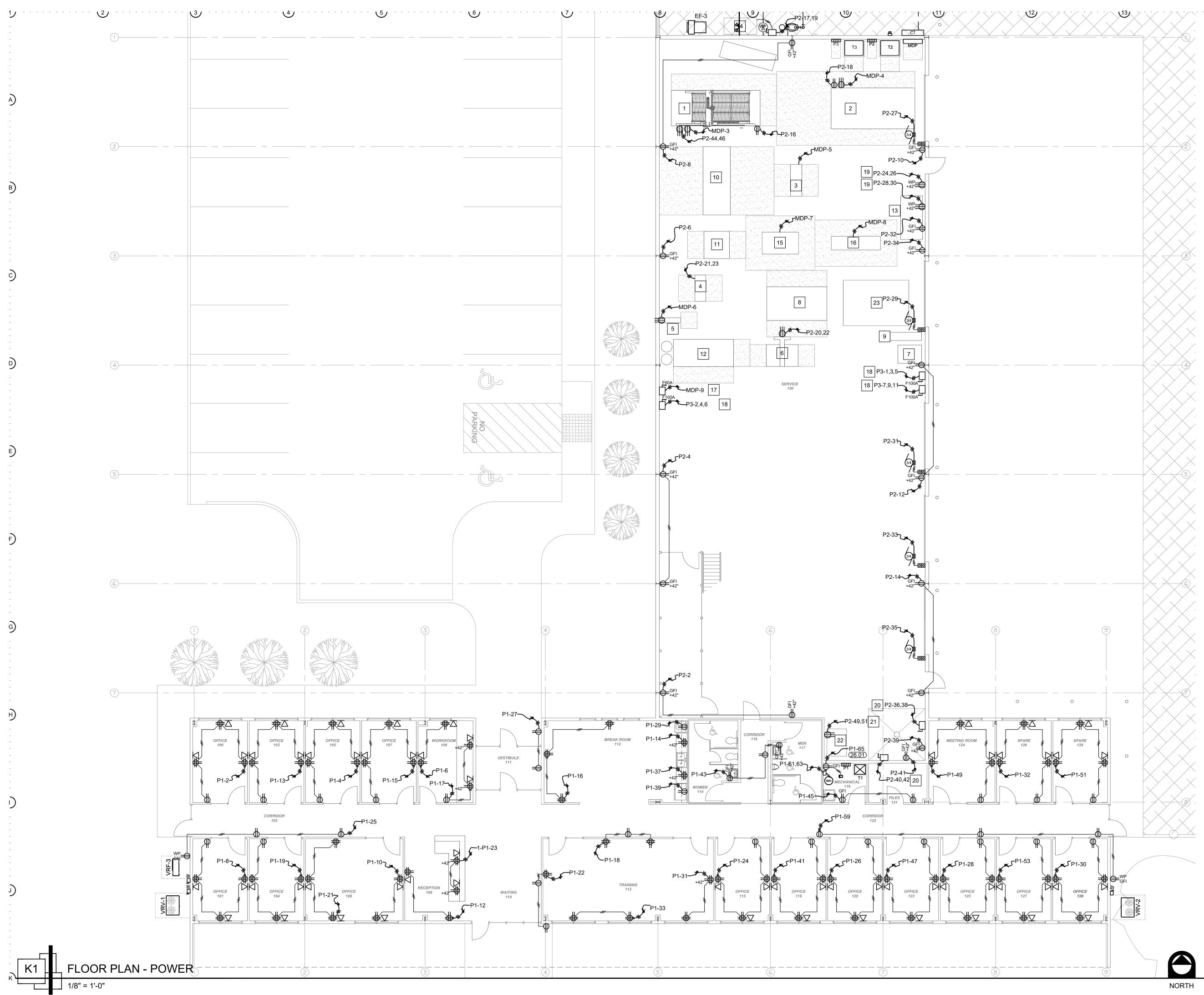
DIVISION 26 - ELECTRICAL

- (26.01) EXTEND (2) #10'S, (1) #10 GRND. IN 1/2" CONDUIT FROM EXIT LIGHT TO EXIT LIGHT BREAKER LOCATED IN PANEL "P1-1".
- (26.02) EXTEND (2) #10'S, (1) #10 GRND. IN 1/2" CONDUIT FROM EXIT LIGHT TO EXIT LIGHT BREAKER LOCATED IN PANEL "P2-7".
- (26.03) DAYLIGHT HARVESTING PHOTOCELL (DS) SHALL CONTROL A SINGLE ZONE AND PROVIDE AUTOMATIC DIMMING CONTROL.
- (26.04) COORDINATE LIGHT SWITCH LOCATION AT JOB SITE.
- (26.05) EXHAUST FAN, EF-1, LOCATED IN STORAGE AREA ABOVE AND SERVES BOTH WOMEN'S AND MEN'S RESTROOMS. EXHAUST FAN SHALL BE INTERLOCKED WITH LIGHTS. REFER DETAIL 1, WIRING DIAGRAM, SHEET 14.70.



553-14-10.DW

4.10



14

15

REFERENCE COMPLETE SET OF CONSTRUCTION DOCUMENTS: ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL TO DETERMINE ENTIRE SCOPE OF WORK AND COORDINATION REQUIREMENTS WITH OTHER TRADES.

.

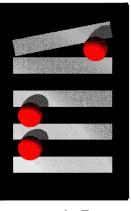
- ALL ELECTRICAL WORK SHALL BE IN COMPLIANCE 2. WITH THE 2014 NATIONAL ELECTRIC CODE, LOCAL AMENDMENTS, AND GOVERNING LOCAL AUTHORITY.
- ALL WORK SHALL BE IN COMPLIANCE WITH THE 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), LOCAL AMENDMENTS, AND GOVERNING LOCAL AUTHORITY.
- REFER COMPLETE SET OF CONTRACT DOCUMENTS: MECHANICAL, PLUMBING, & ELECTRICAL.
- REFER SHEET E14.10 LIGHTING PLAN. 5.
- REFER SHEET E14.20 POWER PLAN.
- REFER SHEET E14.30 HVAC POWER PLAN.
- REFER SHEET E14.40 FOR ELECTRICAL ONE-LINE 8. AND SCHEDULES.
- REFER SHEET E14.50 FOR ELECTRICAL 9. SCHEDULES.
- REFER SHEET E14.60 FOR ELECTRICAL LEGEND 10. NOTES & DETAILS.
- 11. REFER SHEET E14.70 FOR ELECTRICAL DETAILS. 12. HOME RUN CIRCUITS MORE THAN 75 FEET FROM
- PANEL SHALL BE SIZED AS REQUIRED TO LIMIT VOLTAGE DROP TO 2% MINIMUM.
- 13. COORDINATE ELECTRICAL TERMINATIONS WITH OWNER FURNISHED EQUIPMENT. PROVIDE CORDS, PLUGS, RESTRAINTS, ETC.
- 14. COORDINATE EXACT EQUIPMENT LOCATIONS WITH OWNER FURNISHED EQUIPMENT BLDG.

DIVISION 26 - ELECTRICAL

(26.01) RECEPTACLE FOR CIRCULATOR PLUMP. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH PLUMBING CONTRACTOR AT JOBSITE.

EQUIPMENT:

- 1 PLASMA TABLE: 16'X7' 460V, 3PH, 30 AMP.
- 2 COIL LINE AND AUTO FOLD: 15'-4"X7'-6" 415V, 3PH., 35 AMPS
- JDUCT FORMER PITSBUAG, MALE S/D: 5'-10"X2'-1"480V, 3PH., 15 AMPS
- 4 LOCK FORMEIL: 4'-10"X-2'-0" 240V, 1PH., 30 AMPS
- SPOT WELD: 2'-11"X11", 440V, 1PH., 82 AMPS
- 6 PIN SPOTTER: 75"X70", 240V, 1PH., 30 AMPS
- DRIVE CLEAT FOLDER: 52"X40" AIR
- INSULATION TABLE: 52"X40"
- 9 SLIP ROLLER: 69"X18"
- 10 LG DUCT BREAK / BENDER: 150"X60"
- 11 SMALL DUCT BENDER: 5'-0"X4'-8"
- 12 SPRAY BOOTH / CUTTING TABLE: 11'X5'
- 13 METAL WELDING TABLE: 8'X4'
- 14 AIR COMPRESSOR: 5'-6"X2'-0"
- 15 TDF BREAKER: 80'X48', 460V 3PH. 15 AMPS
- 16 TDF FORMER: 30"X9'-0", 460V 3PH. 15AMPS
- 480V 3PH. 60 AMP BREAKER, FOR TRAINING 17
- 18 208V 3PH. 100 AMP BREAKER, FOR TRAINING
- 208V 1PH. 60 AMP BREAKER, FOR WELDER
- 208V 1PH. 30 AMP BREAKER, FOR ICE MACHINE 20
- REPAIR
- 21 208V 1PH. 30 AMP BREAKER, FOR ICE MACHINE
- 22 ICE MACHINE: 5'-0"X3'-7" 208V, 1PH, 30 AMP.
- 23 STAGING AREA FOR DUCT: 8'-4"X12'-0"





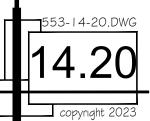


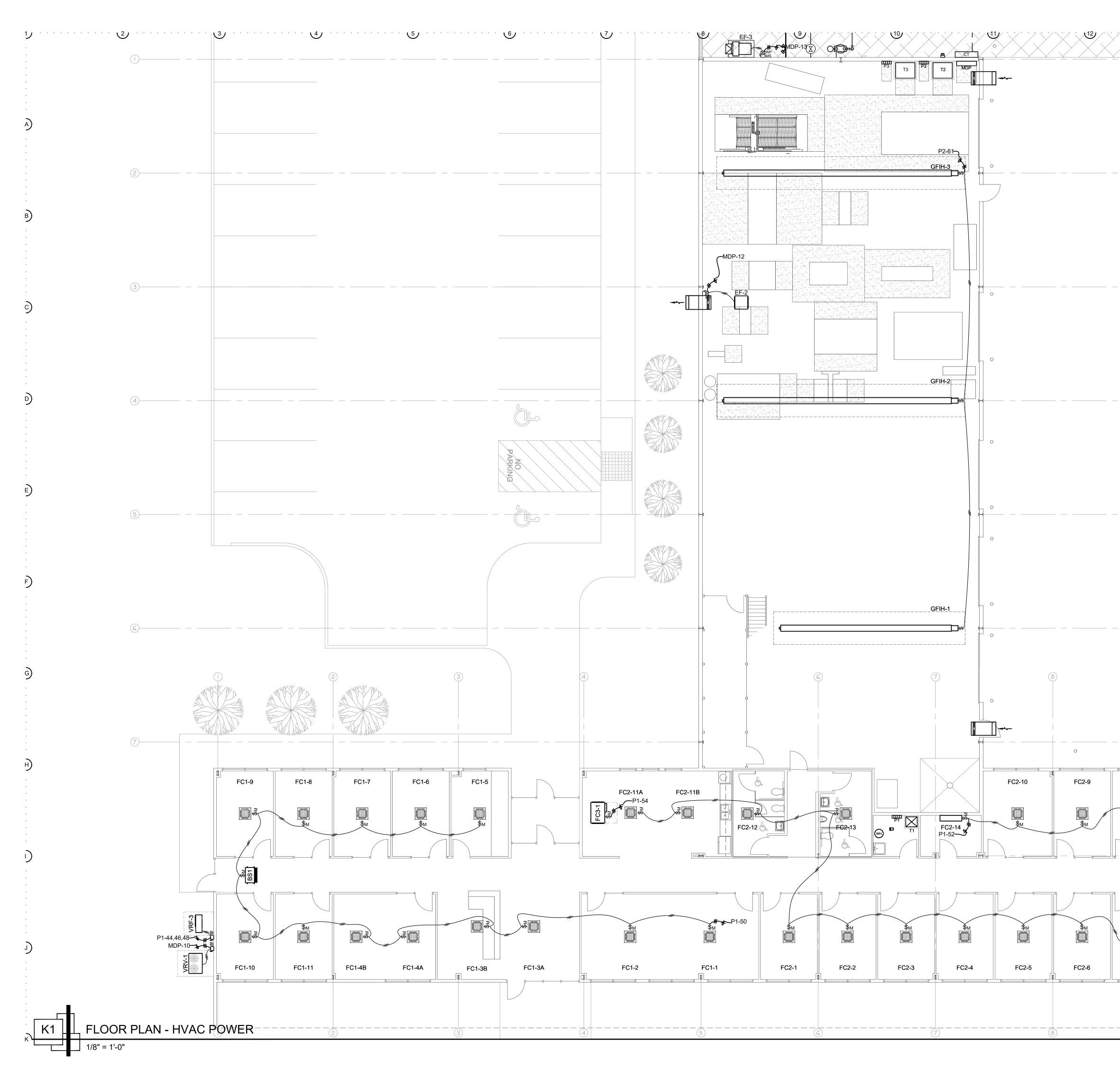


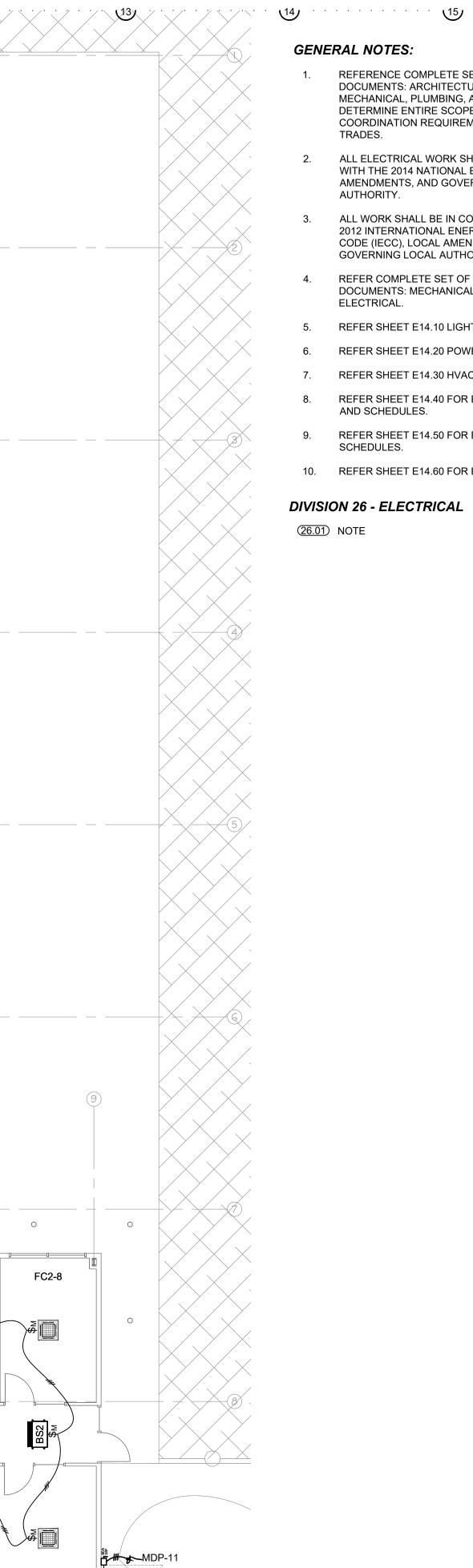




03-29-2023







FC2-7

 Θ

NORTH

GENERAL NOTES:

REFERENCE COMPLETE SET OF CONSTRUCTION 1. DOCUMENTS: ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL TO DETERMINE ENTIRE SCOPE OF WORK AND COORDINATION REQUIREMENTS WITH OTHER TRADES.

.

- 2. ALL ELECTRICAL WORK SHALL BE IN COMPLIANCE WITH THE 2014 NATIONAL ELECTRIC CODE, LOCAL AMENDMENTS, AND GOVERNING LOCAL AUTHORITY.
- ALL WORK SHALL BE IN COMPLIANCE WITH THE 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), LOCAL AMENDMENTS, AND GOVERNING LOCAL AUTHORITY. 3.
- REFER COMPLETE SET OF CONTRACT 4. DOCUMENTS: MECHANICAL, PLUMBING, & ELECTRICAL.
- 5. REFER SHEET E14.10 LIGHTING PLAN.
- REFER SHEET E14.20 POWER PLAN.
- REFER SHEET E14.30 HVAC POWER PLAN.
- REFER SHEET E14.40 FOR ELECTRICAL ONE-LINE AND SCHEDULES. 8.
- 9. REFER SHEET E14.50 FOR ELECTRICAL SCHEDULES.
- 10. REFER SHEET E14.60 FOR ELECTRICAL DETAILS.

DIVISION 26 - ELECTRICAL

(26.01) NOTE



03-29-2023



•

•

G

H



ELECTRICAL RISER DIAGRAM AND SCHEDULES

NO SCALE

K1

	SERVICE 130
BUS SIZE:	800
MAINS TYPE:	MCB
MAINS RATING:	800
NEMA RATING:	1
	SURFACE
MOONTING.	JUNIACE
Г	

	PANEL NAME: P1										LOCATIO	DN:	ME	CH 1′	19
	VOLTAGE (L-L): 208 VOLTAGE (L-N): 120 PHASE: 3 WIRE: 4 A.I.C. RATING (AMPS): 22k AIC				PHASE A: PHASE B: PHASE C: NEUTRAL GROUND	RI BL WH	ACK ED .UE IITE EEN	- - -			MA MAIN NEM	BUS SIZE: NINS TYPE: S RATING: A RATING: IOUNTING:	40 MC 25 1 SURF	в 0	- - -
СКТ #	DESCRIPTION	LOAD TYPE	BRE. AMPS	AKER POLES	A	LOAD			0	DESCRIPTION		LOAD TYPE	BREA AMPS	KER POLES	СКТ #
1	EXIT SIGNS	L	15	1	78 1,260					RECEPTACLES		R	20	1	2
3 5	LIGHTS	L	20 20	1		922	1,260	821	720	RECEPTACLES RECEPTACLES		R R	20 20	1	4
7	LIGHTS	L	20	1	950 1,260			021	120	RECEPTACLES		R	20	1	8
9	LIGHTS	L	20	1		1,045	720			RECEPTACLES		R	20	1	10
11	EAST POLE LIGHTS	L	20	1	1,260 1,200			221	720	RECEPTACLES		R	20	1	12
13 15	RECEPTACLES RECEPTACLES	R	20 20	1	1,260 1,200	1,260	1,080			RECEPTACLES RECEPTACLES		R R	20 20	1	14 16
17	RECEPTACLES	R	20	1		.,	.,	900	900	RECEPTACLES		R	20	1	18
19	RECEPTACLES	R	20	1	1,260 -					SPARE			20	1	20
21	RECEPTACLES	R	20	1		1,080	720	700	1 260	RECEPTACLES		R	20	1	22
23 25	RECEPTACLES RECEPTACLES	R	20 20	1	540 1,260			720	1,260	RECEPTACLES RECEPTACLES		R R	20 20	1	24 26
27	RECEPTACLES	R	20	1		360	1,260			RECEPTACLES		R	20	1	28
29	RECEPTACLES	R	20	1				1,200	1,260	RECEPTACLES		R	20	1	30
31	RECEPTACLES	R	20	1	720 1,260					RECEPTACLES		R	20	1	32
33 35	RECEPTACLES SPARE	R	20 20	1		720	-	_	_	SPARE SPARE			20 20	1	34 36
37	RECEPTACLES	R	20	1	1,200 -					SPARE			20	1	38
39	RECEPTACLES	R	20	1		1,200	-			SPARE			20	1	40
41	RECEPTACLES	R	20	1				1,260	-	SPARE			20	1	42
43	RECEPTACLES	R	20 20	1	540 3,492	360	3,492			VRV-3		H H	35	3	44
45 47	RECEPTACLES RECEPTACLES	R	20	1		300	3,432	1,260	3,492			Н	-	-	46 48
49	RECEPTACLES	R	20	1	1,260 780					BS1, FC1-1 THRU FC1-11		Н	15	1	50
51	RECEPTACLES	R	20	1		1,260	804			BS2, FC2-1 THRU FC2-14		Н	15	1	52
53	RECEPTACLES	R	20	1				1,260	252	FC3-1		Н	15	1	54
55	SPARE SPARE		20 20	1		_	-			SPACE ONLY SPACE ONLY			-	-	56 58
57 59	RECEPTACLES	R	20	1		_	-	720	-	SPACE ONLY SPACE ONLY			-	-	60
61	WATER HEATER	EH	35	2	3,000 -					SPACE ONLY			-	-	62
63	"	EH	-	-		3,000	-			SPACE ONLY			-	-	64
65		М	15 -	1 -				9	-	SPACE ONLY			-	-	66
67 69	SPACE ONLY SPACE ONLY		-	-		-	-			SPACE ONLY SPACE ONLY			-	-	68 70
71	SPACE ONLY		-	-				-	-	SPACE ONLY			-	-	72
73	SPACE ONLY		-	-						SPACE ONLY			-	-	74
75	SPACE ONLY		-	-		-	-			SPACE ONLY			-	-	76
77 79	SPACE ONLY SPACE ONLY		-	-				-	-	SPACE ONLY SPACE ONLY			-	-	78 80
81	SPACE ONLY		-	-		-	-			SPACE ONLY			-	-	82
83	SPACE ONLY		-	-				-	-	SPACE ONLY			-	-	84
			OAD (VA):		21,320 178		543 71		975						
				3).			/ 1	1	41						
	LOAD TYPE NEC CONNECTED VA DEMAND FACTOR LIGHTING 220.14 4037 1.25		EMAND 146		NOTES:										
	RECEPTACLE 220.44 36480 1		480 480		1) 2)										
м	MOTOR 220.50 9 1		9		3)										
	SMOKE PURGE 220.50 0 1	(D		4)										
	FIRE PUMP 220.50 0 1 ELEVATOR 220.50 0 1		0		5)										
	ELEVATOR 220.50 0 1 KITCHEN 220.56 0 1		0 0		6) 7)										
	HVAC 220.60 12312 1		312		8)										
EH	ELECTRIC HEAT 220.51 6000 1	60	00		9)										
MISC.	MISCELLANEOUS - 0 1		0		10)										
	CONNECTED (VA): 58837 DEMAND (VA): CONNECTED (AMPS): 163 DEMAND (AMPS)		846 66		11) 12)										
					·-/										

SPACE

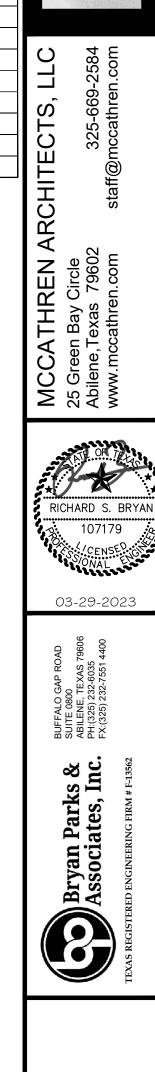
	\bigcirc	
ELECTRICAL FEE	DER SCHEDULE	
АМР	SIZE DESCRIPTION	
U-800	(4) 600 KCMIL IN EACH OF TWO PARALLEL 4"C (PROVIDE SPARE 4" C.)	
T125	(3) #2, (1) #6 GND., IN 2" C.	
T175	(3) 2/0, (1) #6 GND., IN 2-1/2" C.	
15	(3) #12 AWG, (1) #12 GND., IN 1/2" C.	
25	(3) #10 AWG, (1) #10 GND., IN 3/4" C.	
30	(3) #10 AWG, (1) #10 GND., IN 3/4" C.	
35	(3) #8 AWG, (1) #10 GND., IN 3/4" C.	
40	(3) #8 AWG, (1) #10 GND., IN 3/4" C.	
60	(3) #6, (1) #10 GND., IN 1" C.	Ù 🦳
100	(3) #3, (1) #8 GND., IN 1-1/4" C.	Πμ
250	(4) 250 KCMIL, (1) #4 GND., IN 2-1/2" C.	
400	(4) 600 KCMIL, (1) #3 GND., IN 3-1/2" C.	

GENERAL NOTES:

- REFERENCE COMPLETE SET OF CONSTRUCTION 1. DOCUMENTS: ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL TO DETERMINE ENTIRE SCOPE OF WORK AND COORDINATION REQUIREMENTS WITH OTHER TRADES.
- 2. ALL ELECTRICAL WORK SHALL BE IN COMPLIANCE WITH THE 2014 NATIONAL ELECTRIC CODE, LOCAL AMENDMENTS, AND GOVERNING LOCAL AUTHORITY.
- ALL WORK SHALL BE IN COMPLIANCE WITH THE 3. 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), LOCAL AMENDMENTS, AND GOVERNING LOCAL AUTHORITY.
- 4. REFER SHEET E14.10 LIGHTING PLAN.
- REFER SHEET E14.20 POWER PLAN.
- REFER SHEET E14.30 HVAC POWER PLAN.
- REFER SHEET E14.40 FOR ELECTRICAL ONE-LINE 7. AND SCHEDULES.
- REFER SHEET E14.50 FOR ELECTRICAL 8. SCHEDULES.
- REFER SHEET E14.60 FOR ELECTRICAL LEGEND 9. NOTES & DETAILS.
- 10. REFER SHEET E14.70 FOR ELECTRICAL DETAILS.

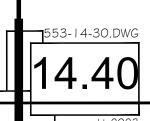
DIVISION 26 - ELECTRICAL

- (26.01) GROUND IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE.
- (26.02) COORDINATE ELECTRICAL TERMINATIONS WITH OWNER FURNISHED EQUIPMENT. PROVIDE CORDS, PLUGS, RESTRAINTS, ETC.









. . •

. .

PANEL NAME:

P2

| # (11) (12) (1 | # | A.I.C. RATING (AMPS): 22k AIC | | | | PHASE B
PHASE C
NEUTRAL

 | BLUE | | | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
|---|--|--|--|--|--
--
--
--
--|--|---|--|---|---|---
---|---|--|---------|--|--|--|--|--|--|--|--|---|--|---------|--|--|--|--|--|--|--
--|---|--|---------|--|--|--|--|--|----------------------------|--|---|---|--|---------|--|--|--|--
--|------------------------|---|---|--|--|---------|--|--|--|--|---|---|---|---|--|--|---------
---|--|--|--|--|---|--|---|--|--|---------|--|--|--|--|---|
| 1 1 <th1< th=""> 1 <th1< th=""> <th1< th=""></th1<></th1<></th1<> | | DESCRIPTION | | | |

 | LOAD (V | /A) | | DESCRIPTION | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| ■ | 3 | LIGHTS | L | 20 | 1 |

 | | | C | RECEPTACLES | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| Image: Select of the BORE AURON L Bore Select of the BORE AURON Bore Sel | 5 | LIGHTS | L | 20 | 1 | 142 360

 | | | 360 | RECEPTACLES | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| Description Second | 9 | OUTSIDE LIGHTS SERVICE BUILDING | L | 20 | 1 |

 | 710
 | | 360 | RECEPTACLES | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | |
| T Distantional Distantional <thdistantional< th=""> Distantional</thdistantional<> | 13 | OUTSIDE LIGHTS OFFICE BUILDING | L | 20 | 1 | 647 360

 | 500 | | | RECEPTACLES | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| Image: Control of the second | 17 | | | 60 | | 3,008 2,880

 |
 | | 15 | COIL LINE AND AUTO FOLD: | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | |
| 10 < | 21 | | MISC. | 30 | 2 |

 | ************************ | | 5.760 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| B B D <thd< th=""> <thd< th=""> <thd< th=""> <thd< th=""></thd<></thd<></thd<></thd<> | 25 | | Н | 15 | 1 | 166 5,760

 | | | 0,700 | " | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| 13: 0.000:00:00:00:00:00:00:00:00:00:00:00:0 | 29 | GARAGE DOOR | М | 25 | 1 | 1.656 400

 | 1,000 0 | | 5,760 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| Description A S 1 16 160 160 2000< | 33 | GARAGE DOOR | М | 25 | 1 | 1,836 180

 | 1,656 | | 0.000 | RECEPTACLE | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| 4 Processor 1 20 1 200 1 200 1 4 Processor 1 20 1 200 1 200 1 5 Processor 1 200 1 200 1 200 1 3 Processor 1 200 1 200 1 200 1 3 Processor 1 200 1 200 1 200 1 3 Processor 1 200 1 200 1 200 1 3 Processor 1 200 1 200 200 200 200 200 200 3 Processor 1 200 1 200 200 200 200 200 200 200 3 Processor 1 1 1 1 200 200 200 200 200 200 3 Processor 1 1 1 1 1 200 200 200 200 200 3 Processor 1 200 1 1 1 200 200 200 200 200 <td>37</td> <td>RECEPTACLE</td> <td>R</td> <td>20</td> <td>1</td> <td>180 2,880</td> <td></td> <td></td> <td>2,880</td> <td></td> | 37 | RECEPTACLE | R | 20 | 1 | 180 2,880

 | | | 2,880 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| 44 PARE 10 2000 | 41 | INTELLIGENT LIGHTING CONTROL CAVINET | | 20 | 1 |

 | 180 2 | | 2,880 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| Bay Interfacts Sources And Sources Sour | 45 | SPARE | | 20 | 1 | - 492

 | - 4 | 492 | | " | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| 10 1 20 1 20 1 20 | 49 | RECEPTACLE FOR ICE MACHINE | | 30 | 2 | 2,880 1,656

 | | - | - | GATE OPERATOR (3/4 HP) | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| Description Low 20 1 200 20 | 53 | EAST POLE LIGHTS | L | 20 | 1 |

 | 2,880 | | - | SPACE ONLY | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| Col: | 57 | CONTACTOR C2 | | | | 490 -

 | 120 | - | | SPACE ONLY | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| E PARE PA | 61 | GFIH-1, GFIH-2, GFIH-3 | Н | 20 | 1 | 648 -

 | | - | - | SPARE | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| E PARE DAY I I Image Days Image Days <thimage days<="" th=""> Image Days Image Day</thimage> | | SPARE | | | |

 | - | - | - | SPARE | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| PALE PARE DAY Image: Pare Day <thimage: day<="" pare="" th=""></thimage:> | 69 | SPACE ONLY | | | |

 | - | - | | SPACE ONLY | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| Productional Productional <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td></td></th<> | | | | | |

 | | - | - | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| Pail Pace Outy Image of the part | | | | | |

 | -
 | - <u>-</u> | - | SPACE ONLY | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL LOAD TYPE PEC 28,346 24,311 23,368 LOAD TYPE NOC CONNECTED XA DECMNO FACTOR NOTRs. 1 ILIGHTMA 221.44 386 1 SOO 2 MOTOR 221.44 386 1 SOO 2 SOO 2 MOTOR 221.54 386 1 0 5 SOO 2 PROPERTING 221.66 1 0 5 SOO 2 SOO | | | | | |

 | - | - | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | |
 |
| I LIGHTYPE IPUC CONNECTED VAL PERT DPLAND PERT DPLAND NOTING 1 LIGHTYPE 2014 900 13 860 2 1 LIGHTYPE 2013 900 1 860 2 1 MOTOR 2013 900 1 860 2 1 MOTOR 2013 0 1 0 4 1 PERSEAUX 2013 0 1 0 1 1 HARC 2018 64 1 0 7 1 HARC 2018 64 1 84 8 0 1005C MINE 2016 DELAND (MARS) 276 10 10 10 1005C MINE 20 PARSE BLACK NUTAGE (LAS) 20 10 10 1005C MINE 20 PARSE BLACK NUTAGE (LAS) 20 10 10 1005C MINE 20< | 83 | SPACE ONLY | ΤΟΤΑΙ | -
L LOAD (VA): | - | 25,945

 | 24,311 | | | SPACE ONLY | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| L ILITHING 2254 6044 125 8800 1) M MOCINE 222.00 1582.2 3) 3) M MOCINE 225.00 1 100.2 3) P PREPTINCE 225.00 0 1 0 4) P PREPTINCE 225.00 0 1 0 4) FP PREPTINCE 225.00 0 1 0 4) H HANDA 226.00 0 1 0 4) 0) CONNECTED (MARE) 792.20 DEMAND (MARE) 276 101 101 101 CONNECTED (MARE) 792.20 DEMAND (MARE) 276 101 101 101 CONNECTED (MARE) 792.20 DEMAND (MARE) 776 101 101 101 1 | | | | | S): |

 | 203 | | 245 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| M MOTOR 20.03 99822 1 19922 0 P MORE PURCE 20.03 0 1 0 9 FP PIRE PURCE 20.03 0 1 0 9 K KICIDENT 20.03 0 1 0 9 K KICIDENT 20.03 0 1 0 9 MME KICIDENT 20.03 0 1 0 9 MME KICIDENT 20.03 0 1 0 9 MME ZUMING (MARS) 22.1 ORDAND (MARS) 23.00 10 10 CONNECTID (MARS) 22.1 ORDAND (MARS) 23.00 10 10 10 MME MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE MARE | | LIGHTING 220.14 6944 1.25 | | 8680 | | 1)

 | | | | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| P PIC PLANE 2030 0 1 0 9) K NTOREN 2030 0 1 0 9) K NTOREN 2030 0 1 0 9) H HAC 2030 0 1 0 9) H HAC 2030 0 1 0 9) H HAC 2000 PLANE 9 100 100 CONNECTED (VA) 78581 DEMAND (VAR) 31593 11) 100 100 CONNECTED (VA) 293 DEMAND (VAR) 31593 11) 100 100 VOLTAGE (L-A): 293 221 DEMAND (VAR) 1000 000000 000000 000000 VOLTAGE (L-A): 290 PHASE E BLUC 000000 0000000 0000000 0000000 0000000 1 CRECIPTION LOAQ VICTAGE (L-A): 200 9000 0000 0000000 00000000000000 3 CRECUPTOR TRAINING MSC 1000 3 9000 9000 | м | MOTOR 220.50 15952 1 | | 15952 | | 3)

 | | | | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| K MOTORIEN 22.68 0 1 0 7 H HARG 22.68 0 1 0 0 DFI LECTRO (FLAT 22.05 0 1 0 0 MSSC. MARGELMANDUS S2554 1 52554 11) 0 0 CONNECTED (W)E 79.24 DEMAND (MARB) 22.6 12) 0 0 VOLTAGE (L-L): 28 PMARE E: BLACK 0 0 0 VOLTAGE (L-L): 28 PMARE E: DEMAND (AMRB): 22.6 12) 0 0 VOLTAGE (L-L): 28 PMARE E: DEMAND (AMRB): 22.6 0< | FP | FIRE PUMP 220.50 0 1 | | 0 | | 5)

 | | | | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| EH ELGTRIC HEAT 2010 0 1 0 9 UNDECTED (WA) 79224 DEMNARD (W): 81360 11) CONNECTED (WA) 79224 DEMNARD (W): 81360 11) CONNECTED (WA) 79224 DEMNARD (W): 81360 11) CONNECTED (WA) 79224 DEMNARD (AMPS): 221 12) VOLTAGE (L4): 200 PHASE A: BLACK VOLTAGE (L4): 200 PHASE A: BLACK MICE PHASE 3 PHASE A: BLACK MICE | к | KITCHEN 220.56 0 1 | | 0 | | 7)

 | | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| CONNECTED (M): 7924
21 DEMAND (M): 9130
228 11)
12) PANEL NAME: P3 12) VOLTAGE (L4): 288 PHASE A: BLACK VILTAGE (L4): 288 PHASE A: BLACK VILTAGE (L4): 288 PHASE A: BLACK VILTAGE (L4): 288 PHASE A: BLACK | EH | ELECTRIC HEAT 220.51 0 1 | | 0 | | 9)

 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| PHAGE ICNI: TOUTAGE (L-NI: TOUTAGE (L-NI: <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<> | | | | | |

 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| # DESCRIPTION TYPE AMPS POLES A B C DESCRIPTION 1 CIRCUIT FOR TRAINING MISC. 0.00 9.600 <td< th=""><th></th><th>PANEL NAME: P3</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<> | | PANEL NAME: P3 | | | |

 | | | | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| 1 CIRCUIT FOR TRAINING MISC. 100 3 9.800 | | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4 | | | | PHASE B
PHASE C
NEUTRAL

 | : RED
: BLUE
. WHITE | | | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| 6 · | | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC | | | | PHASE B
PHASE C
NEUTRAL
GROUND

 | RED
BLUE
WHITE
GREEI | =
N
(A) | | DESCRIPTION | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| 9 * MISC. - 9 9,000 - 90,000 - SPACE ONLY 11 * MISC. - - - 9,000 - SPACE ONLY 13 SPACE ONLY - - - - - SPACE ONLY 15 SPACE ONLY - - - - - SPACE ONLY 17 SPACE ONLY - - - - SPACE ONLY 19 SPACE ONLY - - - - SPACE ONLY 21 SPACE ONLY - - - SPACE ONLY 23 SPACE ONLY - - - SPACE ONLY 23 SPACE ONLY - - - SPACE ONLY 29 SPACE ONLY - - - SPACE ONLY 31 SPACE ONLY - - - SPACE ONLY 31 SPACE ONLY - - - < | #
1 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING | TYPE
MISC. | AMPS
100 | POLES
3 | PHASE B
PHASE C
NEUTRAL
GROUND

 | E RED
BLUE
WHITE
GREEF | E
N
/A) | C | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| 13 SPACE ONLY - - - - SPACE ONLY 15 SPACE ONLY - - - SPACE ONLY 17 SPACE ONLY - - - SPACE ONLY 19 SPACE ONLY - - - SPACE ONLY 21 SPACE ONLY - - - SPACE ONLY 23 SPACE ONLY - - - SPACE ONLY 25 SPACE ONLY - - - SPACE ONLY 26 SPACE ONLY - - - SPACE ONLY 27 SPACE ONLY - - - SPACE ONLY 29 SPACE ONLY - - - SPACE ONLY 31 SPACE ONLY - - - SPACE ONLY 33 SPACE ONLY - - - SPACE ONLY 33 SPACE ONLY - - - SPACE ONLY 34 SPACE ONLY - - - SPACE ONLY 35 SPACE ONLY | #
1
3
5 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
" | TYPE
MISC.
MISC.
MISC. | AMPS
100
-
- | POLES
3
-
- | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600

 | E RED
BLUE
WHITE
GREEF | A) | | CIRCUIT FOR TRAINING " | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| 17 SPACE ONLY - - SPACE ONLY SPACE ONLY 19 SPACE ONLY - - - SPACE ONLY 21 SPACE ONLY - - - SPACE ONLY 23 SPACE ONLY - - - SPACE ONLY 25 SPACE ONLY - - - SPACE ONLY 27 SPACE ONLY - - - SPACE ONLY 29 SPACE ONLY - - - SPACE ONLY 31 SPACE ONLY - - - SPACE ONLY 33 SPACE ONLY - - - SPACE ONLY 35 SPACE ONLY - - - SPACE ONLY 36 SPACE ONLY - - - SPACE ONLY 37 SPACE ONLY - - - SPACE ONLY 39 SPACE ONLY - - - SPACE ONLY 41 SPACE ONLY - - - SPACE ONLY 1 - - | #
1
3
5
7
9 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
" | TYPE
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
-
100
- | POLES
3
-
-
3
- | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600 -

 | : RED
BLUE
WHITE
GREEI
LOAD (V
B
9,600 9 | (A)
(600
9,600
- | 9,600 | CIRCUIT FOR TRAINING " " SPACE ONLY SPACE ONLY | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| 21 SPACE ONLY - - - SPACE ONLY - - SPACE ONLY 23 SPACE ONLY - - - - - SPACE ONLY 25 SPACE ONLY - - - - - SPACE ONLY 27 SPACE ONLY - - - - - SPACE ONLY 29 SPACE ONLY - - - - - SPACE ONLY 31 SPACE ONLY - - - - SPACE ONLY 33 SPACE ONLY - - - - SPACE ONLY 35 SPACE ONLY - - - - SPACE ONLY 36 SPACE ONLY - - - - SPACE ONLY 37 SPACE ONLY - - - - SPACE ONLY SPACE ONLY 37 SPACE ONLY - - - - - SPACE ONLY 41 SPACE ONLY - - - - - SPACE | #
1
3
5
7
9
11
13 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
SPACE ONLY | TYPE
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
-
100
-
-
-
-
- | POLES
3
-
3
-
-
-
- | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600 -

 | : RED
BLUE
WHITE
GREEI
LOAD (V
B
9,600 9 | (A)
(600
9,600
- | 9,600 | CIRCUIT FOR TRAINING " " SPACE ONLY SPACE ONLY SPACE ONLY SPACE ONLY | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| 25 SPACE ONLY - - - - SPACE ONLY 27 SPACE ONLY - - - SPACE ONLY SPACE ONLY 29 SPACE ONLY - - - - SPACE ONLY 31 SPACE ONLY - - - SPACE ONLY - - SPACE ONLY 33 SPACE ONLY - - - - SPACE ONLY SPACE ONLY 35 SPACE ONLY - - - - SPACE ONLY 36 SPACE ONLY - - - - SPACE ONLY 37 SPACE ONLY - - - SPACE ONLY - - SPACE ONLY 39 SPACE ONLY - - - SPACE ONLY - - SPACE ONLY 41 SPACE ONLY - - - SPACE ONLY - - SPACE ONLY 41 SPACE ONLY - - - SPACE ONLY - - SPACE ONLY L LIGHTING < | #
1
3
5
7
9
11
13
15
17 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
"
CIRCUIT FOR TRAINING
"
"
"
SPACE ONLY
SPACE ONLY
SPACE ONLY | TYPE
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
-
100
-
-
-
-
-
-
-
- | POLES
3
-
3
-
-
-
-
-
-
- | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600 -
9,600 -

 | : RED
BLUE
WHITE
GREEI
LOAD (V
B
9,600 9 | (A)
(600
9,600
- | 9,600 | CIRCUIT FOR TRAINING " " SPACE ONLY | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| 29 SPACE ONLY - - - - - SPACE ONLY 31 SPACE ONLY - - - - SPACE ONLY SPACE ONLY 33 SPACE ONLY - - - - SPACE ONLY SPACE ONLY 35 SPACE ONLY - - - - SPACE ONLY SPACE ONLY 37 SPACE ONLY - - - - SPACE ONLY SPACE ONLY 39 SPACE ONLY - - - - SPACE ONLY SPACE ONLY 41 SPACE ONLY - - - - SPACE ONLY SPACE ONLY 41 SPACE ONLY - - - - SPACE ONLY SPACE ONLY 41 SPACE ONLY - - - - SPACE ONLY SPACE ONLY 41 SPACE ONLY - - - SPACE ONLY SPACE ONLY SPACE ONLY 41 SPACE ONLY - - SPACE ONLY - SPACE ONLY SPACE ONLY | #
1
3
5
7
9
11
13
15
17
19
21 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
"
CIRCUIT FOR TRAINING
"
"
SPACE ONLY
SPACE ONLY
SPACE ONLY
SPACE ONLY
SPACE ONLY
SPACE ONLY
SPACE ONLY
SPACE ONLY | TYPE
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES
3
-
-
-
-
-
-
-
-
-
- | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600 -
9,600 -

 | : RED
BLUE
WHITE
GREEI
LOAD (V
B
9,600 9 | (A) (A) (600) 9,600 - 9,600 | 9,600 | CIRCUIT FOR TRAINING " " SPACE ONLY | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| 33 SPACE ONLY - - - - SPACE ONLY SPACE ONLY 35 SPACE ONLY - - - - - SPACE ONLY 37 SPACE ONLY - - - - - SPACE ONLY 39 SPACE ONLY - - - - - SPACE ONLY 41 SPACE ONLY - - - - - SPACE ONLY 41 SPACE ONLY - - - - - SPACE ONLY 41 SPACE ONLY - - - - - SPACE ONLY SPACE ONLY 41 SPACE ONLY - - - - SPACE ONLY SPACE ONLY 41 SPACE ONLY - - 28,00 28,00 SPACE ONLY SPACE ONLY 41 SPACE ONLY - - 28,00 28,00 28,00 28,00 10 125 0 1 0 2/ 2/ 3/ 10 0 1 | #
1
3
5
7
9
11
13
15
17
17
19
21
23
25 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
SPACE ONLY
SPACE ONLY | TYPE
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES
3
-
-
-
-
-
-
-
-
-
-
-
-
- | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600 -
9,600 -
-
-

 | : RED
BLUE
WHITE
GREEI
LOAD (V
B
9,600 9 | (A)
(A)
(600
9,600
-
9,600
-
-
9,600
-
-
-
-
-
-
- | 9,600 | CIRCUIT FOR TRAINING " " SPACE ONLY | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | |
 |
| 37 SPACE ONLY - - - - - SPACE ONLY 39 SPACE ONLY - - - - - SPACE ONLY 41 SPACE ONLY - - - - - SPACE ONLY 41 SPACE ONLY - - - - - SPACE ONLY 41 SPACE ONLY - - - - - - SPACE ONLY 41 SPACE ONLY - - - - - - SPACE ONLY 41 SPACE ONLY - - - - - SPACE ONLY 41 SPACE ONLY - - - - - SPACE ONLY 59 SPACE ONLY - - - - - SPACE ONLY 10 1.25 0 1 0 2/ - - - - - - - - - - - - - - - - - - -< | #
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
"
CIRCUIT FOR TRAINING
"
"
SPACE ONLY
SPACE ONLY | TYPE
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES
3
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600 -
9,600 -
-
-
-
-
-
-

 | : RED
BLUE
WHITE
GREEI
LOAD (V
B
9,600 9 | (A)
(A)
(600
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
- | CIRCUIT FOR TRAINING " " SPACE ONLY | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| 41 SPACE ONLY - - - - - SPACE ONLY - SPACE ONLY - - TOTAL LOAD (VA): 28,800 28,800 28,800 28,800 28,800 28,800 28,800 28,800 28,800 28,800 24,00 | #
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
"
CIRCUIT FOR TRAINING
"
"
SPACE ONLY
SPACE ONLY | TYPE
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600 -
9,600 -
-
-
-
-
-
-

 | : RED
BLUE
WHITE
GREEI
LOAD (V
B
9,600 9 | (A)
,600
9,600
- 9,600
- 9,600
 | 9,600 | CIRCUIT FOR TRAINING " " SPACE ONLY | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| TOTAL LOAD (AMPS):240240240LOAD TYPENECCONNECTED VADEMAND FACTOREST. DEMANDNOTES:LLIGHTING220.1401.2501)RRECEPTACLE220.440102)MMOTOR220.500103)SPSMOKE PURGE220.500104) | #
1
3
5
7
9
111
13
15
17
19
21
23
25
27
29
31
33
35
37 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
SPACE ONLY
SPACE ONLY | TYPE
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600
9,600
9,600
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
100
10

 | : RED
BLUE
WHITE
GREEI
LOAD (V
B
9,600 9 | (A)
(A)
(600
9,600
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600 | CIRCUIT FOR TRAINING | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| L LIGHTING 220.14 0 1.25 0 1) R RECEPTACLE 220.44 0 1 0 2) M MOTOR 220.50 0 1 0 3) SP SMOKE PURGE 220.50 0 1 0 4) | #
1
3
5
7
9
111
13
15
17
19
21
23
25
27
29
31
33
35
37
39 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
SPACE ONLY
SPACE ONLY | TYPE
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B PHASE C NEUTRAL GROUND 9,600 9,600 9,600 - 9,600 - 1 - <tr td=""> -<td>RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 -</td><td>(A)
(A)
(600
9,600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>9,600</td><td>CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY SPACE ONLY</td></tr> <tr><td>R RECEPTACLE 220.44 0 1 0 2) M MOTOR 220.50 0 1 0 3) SP SMOKE PURGE 220.50 0 1 0 4)</td><td>#
1
3
5
7
9
111
13
15
17
19
21
23
25
27
29
31
33
35
37
39</td><td>VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
SPACE ONLY
SPACE ONLY</td><td>TYPE
MISC.
MISC.
MISC.
MISC.
MISC.</td><td>AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>POLES 3</td><td>PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600 -
9,600 -
0
9,600 -
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0</td><td>RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 -</td><td>(A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY SPACE ONLY</td></tr> <tr><td>SP SMOKE PURGE 220.50 0 1 0 4)</td><td># 1 3 5 7 9 111 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41</td><td>VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
"
CIRCUIT FOR TRAINING
"
"
SPACE ONLY
SPACE ONLY
SPA</td><td>TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.</td><td>AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>POLES 3</td><td>PHASE B
PHASE C
NEUTRAL
GROUND
9,600
9,600
9,600
9,600
9,600
9,600
1,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,00</td><td>RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 -</td><td>(A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY SPACE ONLY</td></tr> <tr><td></td><td># 1 1 3 5 7 9 111 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 L R</td><td>VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
SPACE ONLY
SPACE O</td><td>TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.</td><td>AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>POLES 3</td><td>PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600
9,600
9,600
9,600
9,600
9,600
9,600
1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000
</td><td>RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 -</td><td>(A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY SPACE ONLY</td></tr> <tr><td>E ELEVATOR 220.50 0 1 0 6)</td><td># 1 1 3 5 7 9 111 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 L R M</td><td>VOLTAGE (L-L): 208 VOLTAGE (L-N): 120 PHASE: 3 WIRE: 4 A.I.C. RATING (AMPS): 22k AIC DESCRIPTION CIRCUIT FOR TRAINING " </td><td>TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.</td><td>AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>POLES 3</td><td>PHASE B
PHASE C
NEUTRAL
GROUND A 9,600 9,600 9,600 -<td>RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 -
- -</td><td>(A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY SPACE ONLY</td></td></tr> <tr><td>H HVAC 220.60 0 1 0 8)</td><td>#
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
L
R
M
SP
FP</td><td>VOLTAGE (L-L): 208 VOLTAGE (L-N): 120 PHASE: 3 WIRE: 4 A.I.C. RATING (AMPS): 22k AIC DESCRIPTION CIRCUIT FOR TRAINING " </td><td>TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.</td><td>AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>POLES 3</td><td>PHASE B PHASE C NEUTRAL GROUND 9,600 9,600 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 0 - - - - - - - - - - - - - - - - - - - - - - - - - -<td>RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 -</td><td>(A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT,</td></td></tr> <tr><td>EIE EIE EIE EIE EIE Fill Fill</td><td>#
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
L
R
R
M
SP
FP
E
K
H</td><td>VOLTAGE (L-L): 208 VOLTAGE (L-N): 120 PHASE: 3 WIRE: 4 A.I.C. RATING (AMPS): 22k AIC DESCRIPTION CIRCUIT FOR TRAINING * </td><td>TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.</td><td>AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>POLES 3</td><td>PHASE B
PHASE C
NEUTRAL
GROUND 1 - 9,600 9,600 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - - - - - - - - - - - - - - - - - 28,800 - 28,800 - 21,1 - 21,2 - <</td><td>RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 -</td><td>(A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY SPACE ONLY</td></tr> <tr><td>CONNECTED (VA). 88400 DEMAND (VA). 86400 11) CONNECTED (AMPS): 240 DEMAND (AMPS): 240 12)</td><td>#
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
L
R
M
SP
FP
E
K
H
EH</td><td>VOLTAGE (L-L): 208 VOLTAGE (L-N): 120 PHASE: 3 WIRE: 4 A.I.C. RATING (AMPS): 22k AIC DESCRIPTION CIRCUIT FOR TRAINING " - CIRCUIT FOR TRAINING - " - CIRCUIT FOR TRAINING - " - SPACE ONLY SPACE ONLY SPACE ONLY SPACE ONLY</td><td>TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
TOTAL</td><td>AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>POLES 3</td><td>PHASE B PHASE C NEUTRAL GROUND 9,600 9,600 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 1,0 - 2,0 - 1,0 -</td><td>RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 -
- - - -</td><td>(A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-</td><td>CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT,</td></tr> | RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - | (A)
(A)
(600
9,600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600 | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY | R RECEPTACLE 220.44 0 1 0 2) M MOTOR 220.50 0 1 0 3) SP SMOKE PURGE 220.50 0 1 0 4) | #
1
3
5
7
9
111
13
15
17
19
21
23
25
27
29
31
33
35
37
39 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
SPACE ONLY
SPACE ONLY | TYPE
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600 -
9,600 -
0
9,600 -
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0 | RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - | (A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY SPACE ONLY | SP SMOKE PURGE 220.50 0 1 0 4) | # 1 3 5 7 9 111 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
"
CIRCUIT FOR TRAINING
"
"
SPACE ONLY
SPACE ONLY
SPA | TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600
9,600
9,600
9,600
1,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,00 | RED
BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - | (A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY SPACE ONLY | | # 1 1 3 5 7 9 111 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 L R | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
SPACE ONLY
SPACE O | TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600
9,600
9,600
9,600
9,600
9,600
9,600
1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000
 | RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - | (A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY SPACE ONLY | E ELEVATOR 220.50 0 1 0 6) | # 1 1 3 5 7 9 111 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 L R M | VOLTAGE (L-L): 208 VOLTAGE (L-N): 120 PHASE: 3 WIRE: 4 A.I.C. RATING (AMPS): 22k AIC DESCRIPTION CIRCUIT FOR TRAINING " | TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B
PHASE C
NEUTRAL
GROUND A 9,600 9,600 9,600 - <td>RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 -</td> <td>(A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
-</td> <td>9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-</td> <td>CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY SPACE ONLY</td> | RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - | (A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY SPACE ONLY | H HVAC 220.60 0 1 0 8) | #
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
L
R
M
SP
FP | VOLTAGE (L-L): 208 VOLTAGE (L-N): 120 PHASE: 3 WIRE: 4 A.I.C. RATING (AMPS): 22k AIC DESCRIPTION CIRCUIT FOR TRAINING " | TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B PHASE C NEUTRAL GROUND 9,600 9,600 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 0 - - - - - - - - - - - - - - - - - - - - - - - - - - <td>RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 -
 - - - - -</td> <td>(A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
-</td> <td>9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-</td> <td>CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT,</td> | RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - | (A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT, | EIE EIE EIE EIE EIE Fill Fill | #
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
L
R
R
M
SP
FP
E
K
H | VOLTAGE (L-L): 208 VOLTAGE (L-N): 120 PHASE: 3 WIRE: 4 A.I.C. RATING (AMPS): 22k AIC DESCRIPTION CIRCUIT FOR TRAINING * | TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B
PHASE C
NEUTRAL
GROUND 1 - 9,600 9,600 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - - - - - - - - - - - - - - - - - 28,800 - 28,800 - 21,1 - 21,2 - < | RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - | (A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY SPACE ONLY | CONNECTED (VA). 88400 DEMAND (VA). 86400 11) CONNECTED (AMPS): 240 DEMAND (AMPS): 240 12) | #
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
L
R
M
SP
FP
E
K
H
EH | VOLTAGE (L-L): 208 VOLTAGE (L-N): 120 PHASE: 3 WIRE: 4 A.I.C. RATING (AMPS): 22k AIC DESCRIPTION CIRCUIT FOR TRAINING " - CIRCUIT FOR TRAINING - " - CIRCUIT FOR TRAINING - " - SPACE ONLY SPACE ONLY SPACE ONLY SPACE ONLY | TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
TOTAL | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B PHASE C NEUTRAL GROUND 9,600 9,600 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 1,0 - 2,0 - 1,0 - | RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - |
(A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT, |
| RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - | (A)
(A)
(600
9,600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600 | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY SPACE ONLY | | |

 | | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | |
 |
| R RECEPTACLE 220.44 0 1 0 2) M MOTOR 220.50 0 1 0 3) SP SMOKE PURGE 220.50 0 1 0 4) | #
1
3
5
7
9
111
13
15
17
19
21
23
25
27
29
31
33
35
37
39 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
SPACE ONLY
SPACE ONLY | TYPE
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600 -
9,600 -
0
9,600 -
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0

 | RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - | (A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| SP SMOKE PURGE 220.50 0 1 0 4) | # 1 3 5 7 9 111 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
"
CIRCUIT FOR TRAINING
"
"
SPACE ONLY
SPACE ONLY
SPA | TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600
9,600
9,600
9,600
1,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,00
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,000
0,00

 | RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - - - - - - - - - -
- - | (A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
| | # 1 1 3 5 7 9 111 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 L R | VOLTAGE (L-L): 208
VOLTAGE (L-N): 120
PHASE: 3
WIRE: 4
A.I.C. RATING (AMPS): 22k AIC
DESCRIPTION
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
CIRCUIT FOR TRAINING
"
SPACE ONLY
SPACE O | TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B
PHASE C
NEUTRAL
GROUND
9,600 9,600
9,600
9,600
9,600
9,600
9,600
9,600
9,600
1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

1,000

 | RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - - - - - - -
 - - | (A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
| E ELEVATOR 220.50 0 1 0 6) | # 1 1 3 5 7 9 111 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 L R M | VOLTAGE (L-L): 208 VOLTAGE (L-N): 120 PHASE: 3 WIRE: 4 A.I.C. RATING (AMPS): 22k AIC DESCRIPTION CIRCUIT FOR TRAINING " | TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B
PHASE C
NEUTRAL
GROUND A 9,600 9,600 9,600 - <td>RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 -</td> <td>(A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
-</td> <td>9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-</td> <td>CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY SPACE ONLY</td>

 | RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - | (A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |
| H HVAC 220.60 0 1 0 8) | #
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
L
R
M
SP
FP | VOLTAGE (L-L): 208 VOLTAGE (L-N): 120 PHASE: 3 WIRE: 4 A.I.C. RATING (AMPS): 22k AIC DESCRIPTION CIRCUIT FOR TRAINING " | TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B PHASE C NEUTRAL GROUND 9,600 9,600 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 0 - - - - - - - - - - - - - - - - - - - - - - - - - - <td>RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 -</td> <td>(A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
-</td> <td>9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-</td> <td>CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT,</td>

 | RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - | (A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT, | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | | | |
 |
| EIE EIE EIE EIE EIE Fill | #
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
L
R
R
M
SP
FP
E
K
H | VOLTAGE (L-L): 208 VOLTAGE (L-N): 120 PHASE: 3 WIRE: 4 A.I.C. RATING (AMPS): 22k AIC DESCRIPTION CIRCUIT FOR TRAINING * | TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC. | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B
PHASE C
NEUTRAL
GROUND 1 - 9,600 9,600 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - - - - - - - - - - - - - - - - - 28,800 - 28,800 - 21,1 - 21,2 - <

 | RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - | (A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING SPACE ONLY | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | | |
| CONNECTED (VA). 88400 DEMAND (VA). 86400 11) CONNECTED (AMPS): 240 DEMAND (AMPS): 240 12) | #
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
41
L
R
M
SP
FP
E
K
H
EH | VOLTAGE (L-L): 208 VOLTAGE (L-N): 120 PHASE: 3 WIRE: 4 A.I.C. RATING (AMPS): 22k AIC DESCRIPTION CIRCUIT FOR TRAINING " - CIRCUIT FOR TRAINING - " - CIRCUIT FOR TRAINING - " - SPACE ONLY SPACE ONLY | TYPE
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
MISC.
TOTAL | AMPS
100
-
100
-
100
-
-
-
-
-
-
-
-
-
-
-
-
- | POLES 3 | PHASE B PHASE C NEUTRAL GROUND 9,600 9,600 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 9,600 - 1,0 - 2,0 - 1,0 -

 | RED BLUE WHITE GREEI LOAD (V B 9,600 9,600 9,600 9,600 9,600 - | (A)
(A)
(600
9,600
-
9,600
-
9,600
-
-
-
-
-
-
-
-
-
-
-
-
- | 9,600
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
-
- | CIRCUIT FOR TRAINING CIRCUIT FOR TRAINING CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT, CIRCUIT FOR TRAINIT, | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 | | | | | | | | | | | | | | | | | | | | | |
 |

	TION:	SER	VICE	130
	BUS SIZE:	4(00	
	MAINS TYPE:	м	СВ	•
	MAINS RATING:			
	NEMA RATING:		1	
	MOUNTING:	SURI	FACE	
	LOAD	BREA	AKER	СКТ
	TYPE	AMPS	POLES	#
	R	20	1	2
	R	20	1	4
	R	20	1	6
	R	20 20	1	8 10
	R	20	1	10
	R	20	1	14
	MISC.	20	1	16
	MISC.	20	1	18
	MISC.	30	2	20
	MISC.	-	-	22
	MISC.	60	2	24
	MISC.	-	-	26
	MISC.	60	2	28
	MISC.	-	-	30
	R	20	1	32
	R	20	1	34
REPAIR	MISC.	30	2	36
	MISC. MISC.	- 30	- 2	38 40
REPAIR	MISC.	-	-	40
	MISC.	20	2	44
	MISC.	-	-	46
		20	1	48
	М	25	1	50
		-	-	52
		-	-	54
		-	-	56
		-	-	58
		-	-	60
		-	-	62
		-	-	64
		-		66 68
		-	-	70
		-	-	70
		-	-	74
		-	-	76
		-	-	78
		-	-	80
		-	-	82
		-	-	84

LOCATIO	DN:	SER	VICE [·]	130
	4(00		
MA	INS TYPE:	MCB		
MAINS	SRATING:	40	00	
NEM	A RATING:		1	_
M	OUNTING:	SURI	ACE	
				-
	LOAD	BREA	KER	СКТ
	TYPE	AMPS	POLES	#
	MISC.	100	3	2
	MISC.	-	-	4
	MISC.	-	-	6
		-	-	8
		-	-	10
		-	-	12
		-	-	14
		-	-	16
		-	-	18
		-	-	20
		-	-	22
		-	-	24
		-	-	26
		-	-	28
		-	-	30
		-	-	32
		-	-	34
		-	-	36
		-	-	38
		-	-	40
		-	-	42
	ıI			1

MARK	MANUFACTURER	MODEL	LAMP(S)	DESCRIPTION	VOLTAGE	INPUT WATTS	NOTES
А	METALUX	24FP6435C	LED: 80 CRI, 3500 KELVIN, 6091 LUMENS	2'x4' EDGE LIT PANEL	120	60.3	1
В	METALUX	24FP3835HE	LED: 80 CRI, 3500 KELVIN, 3849 LUMENS	2'x4' EDGE LIT PANEL	120	28.5	1
С	METALUX	22FP4235C	LED: 80 CRI, 3500 KELVIN, 4330 LUMENS	2'x2' EDGE LIT PANEL	120	38.3	1
C-EM	METALUX	22FP4235C-EL14W	LED: 80 CRI, 3500 KELVIN, 4330 LUMENS	2'x2' EDGE LIT PANEL	120	38.3	1,2
D	METALUX	22FP3235C	LED: 80 CRI, 3500 KELVIN, 3307 LUMENS	2'x2' EDGE LIT PANEL	120	29.2	1
D-EM	METALUX	22FP3235C-EL14W	LED: 80 CRI, 3500 KELVIN, 3307 LUMENS	2'x2' EDGE LIT PANEL	120	29.2	1,2
EXIT	DUAL LITE	EVEURWEI-2C	SUPPLIED WITH FIXTURE	LED EMERGENCY LUMINAIRE	120	2	3
E1	DUAL LITE	HCXURW-03LRC12	SUPPLIED WITH FIXTURE	LED EMERGENCY LUMINAIRE	120	10 /23	3
E2	DUAL LITE	EVHC-12-06L	SUPPLIED WITH FIXTURE	HIGH LUMEN LED EMERGENCY LIGHT	120	12	2
E3	DUAL LITE	PGRZ	SUPPLIED WITH FIXTURE	HIGH PERFORMANCE LED REMOTE	6VDC	12	4
F	METALUX	22FP2135C	LED: 80 CRI, 3500 KELVIN, 2205 LUMENS	2'x2' EDGE LIT PANEL	120	20.7	1
G	HALO COMMERCIAL	HC620D010-HM60525835-61WDW	LED: 80 CRI, 3500 KELVIN, 2359 LUMENS	6-INCH LED DOWNLIGHT	120	20	1
н	NEO-RAY	S122DR-H675D835-X4F0-XX-UDD-F-W	LED: 80 CRI, 3500 KELVIN, 2700 LUMENS	3"X4' DIRECT RECESSED	120	25.6	1
J	METALUX	UHB-24-UNV-L840-CD-U	LED: 80 CRI, 4000 KELVIN, 26600 LUMENS	ROUND HIGH BAY	120	197	
к	METALUX	UHB-18-UNV-L840-CD-U	LED: 80 CRI, 4000 KELVIN, 19607 LUMENS	ROUND HIGH BAY	120	147	
L	LUMARK	XTOR6BRL-W	LED: 70 CRI, 4000 KELVIN, 6133 LUMENS	WALL/SURFACE INVERTED SITE LIGHT	120	58	
М	LUMARK AP	WPMLED15B	LED: 80 CRI, 4000 KELVIN, 7100 LUMENS	WALL PACK B-SERIES	120	60	
N	PORTFOLIO	LD6C50D010 EU6C45609040 6LBWH	LED: 90 CRI, 4000 KELVIN, 5000 LUMENS	6" DOWNLIGHT	120	58.4	
N-EM	PORTFOLIO	LD6C50D010EM14 EU6C45609040 6LBWHE	LED: 90 CRI, 4000 KELVIN, 5000 LUMENS	6" DOWNLIGHT	120	58.4	
0	MCGRAW-EDISON	GALN-SA3C-740-U-T4FT	LED: 70 CRI, 4000 KELVIN, 21725 LUMENS	AREA / SITE LUMINAIRE	120	166	
Р	MCGRAW-EDISON	GALN-SA2C-740-U-T4W	LED: 70 CRI, 4000 KELVIN, 14149 LUMENS	AREA / SITE LUMINAIRE	120	108	
R	LUMARK	CTKRV2B	LED: 70 CRI, 4000 KELVIN, 9741.7 LUMENS	AREA / SITE LUMINAIRE	120	70.6	
S	LUMARK	CTKRV2B	LED: 70 CRI, 4000 KELVIN, 7110.6 LUMENS	AREA / SITE LUMINAIRE	120	50	
т	METALUX	4SWLED-20SL-LN-UNV-L835-CD1-U	LED: 80 CRI, 3500 KELVIN, 2450.7 LUMENS	SURFACE AND WALL	120	17.6	
POLE A	COOPER LIGHTING SOLUTIONS	RTS6A20S-N1XV-TMP4		20' LIGHT POLE WITH SINGLE ARM	-	-	5
POLE B	COOPER LIGHTING SOLUTIONS	RTS6A20S-N2XV-TMP4	_	20' LIGHT POLE WITH ARMS AT 180°	-	-	5

1) ALL LAMPS SHALL BE 3500 DEGREE KELVIN UNLESS OTHERWISE NOTED.

2) FIXTURES AS NOTED ON LIGHTING PLAN SHALL BE EQUIPPED WITH EMERGENCY BATTERY PACK ALLOWING FIXTURE TO OPERATE UPON LOSS OF NORMAL POWER FOR A MINIMUM OF 90 MINUTES. 3) LAMPS IN EXIT LIGHT SHALL BE WIRED FOR 2-CIRCUIT OPERATION. FIXTURE SHALL BE COMPLETE WITH SELF-CONTAINED EMERGENCY POWER CAPABLE OF MAINTAINING FIXTURE OPERATION FOR A MINIMUM OF 90 MINUTES UPON LOSS OF NORMAL POWER.

4) REMOTE EGRESS LIGHT HEAD TO BE POWERED FROM EXIT SIGN, REFER TO SCHEDULED EXIT LIGHT.

5) COORDINATE FINISH WITH ARCHITECT

			LIGH	TING CON	TROL POIN	TS LIST				
				WALL SWITCH FUNCTION		SENSOR LOCATION & TYPE		TECHNOLOGY		
ROOM NO.	ROOM NAME	WALL SWITCH	ZONE(S)	ON/OFF	DIMMING 0-10V.	OCCUPANCY / VACANCY	WALL / CEILING	OCCUPANCY / VACANCY	PIR	DUAL TECH
100	OFFICE	SWITCH	а	Х	Х	-	CEILING	VACANCY	Х	-
101	OFFICE	SWITCH	b	Х	Х	-	CEILING	VACANCY	Х	-
102	CORRIDOR	SWITCH	С	Х	-	-	CEILING	OCCUPANCY	Х	-
103	OFFICE	SWITCH	d	Х	Х	-	CEILING	VACANCY	Х	-
104	OFFICE	SWITCH	е	Х	Х	-	CEILING	VACANCY	Х	-
105	OFFICE	SWITCH	f	Х	Х	-	CEILING	VACANCY	Х	-
106	OFFICE	SWITCH	g	Х	Х	-	CEILING	VACANCY	Х	-
107	OFFICE	SWITCH	h	Х	Х	-	CEILING	VACANCY	Х	-
108	WORKROOM	SWITCH	j	Х	Х	-	CEILING	VACANCY	Х	-
109	RECEPTION	SWITCH	k	Х	Х	-	CEILING	OCCUPANCY	Х	-
110	WAITING	SWITCH	С	Х	-	-	CEILING	OCCUPANCY	Х	-
111	VESTIBULE	SWITCH	С	Х	-	-	CEILING	OCCUPANCY	Х	-
112	BREAK ROOM	SWITCH	I	Х	Х	-	CEILING	OCCUPANCY	Х	-
113	TRAINING	SWITCH	m	Х	Х	-	CEILING	VACANCY	Х	-
114	WOMEN	SWITCH	n	Х	-	-	CEILING	OCCUPANCY	-	Х
115	OFFICE	SWITCH	0	Х	Х	-	CEILING	VACANCY	Х	-
116	CORRIDOR	SWITCH	С	Х	-	-	CEILING	OCCUPANCY	Х	-
117	MEN	SWITCH	р	Х	-	-	CEILING	OCCUPANCY	-	Х
118	OFFICE	SWITCH	q	Х	Х	-	CEILING	VACANCY	Х	-
119	MECHANICAL	SWITCH	r	Х	-	-	WALL	OCCUPANCY	Х	-
120	OFFICE	SWITCH	S	Х	Х	-	CEILING	VACANCY	Х	-
121	FILES	SWITCH	t	Х	-	OCCUPANCY	-	-	Z	-
122	CORRIDOR	SWITCH	С	Х	-	-	CEILING	OCCUPANCY	Х	-
123	OFFICE	SWITCH	u	Х	Х	-	CEILING	VACANCY	Х	-
124	MEETING ROOM	SWITCH	v	Х	Х	-	CEILING	VACANCY	Х	-
125	OFFICE	SWITCH	w	Х	Х	-	CEILING	VACANCY	Х	-
126	SPARE	SWITCH	х	Х	-	-	CEILING	VACANCY	Х	-
127	OFFICE	SWITCH	У	X	Х	-	CEILING	VACANCY	Х	-
128	SPARE	SWITCH	Z	Х	-	-	CEILING	VACANCY	Х	-
129	OFFICE	SWITCH	а	Х	Х	-	CEILING	VACANCY	Х	-
130	SERVICE	SWITCH	b	Х	-	-	-	-	-	-
130	SERVICE	SWITCHES	С	X	-	-	-	-	-	-
130	SERVICE	SWITCHES	d	Х	-	-	-	-	-	-
130	SERVICE	SWITCHES	е	X	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-



ELECTRICAL L	ABOVE FINISHED FLOOR
	ARC FAULT INTERRUPT
AFI	
GFI	GROUND FAULT INTERRUPT
IG	ISOLATED GROUND
TR	TAMPER RESISTANT
WP	WEATHERPROOF
ф	DUPLEX RECEPTACLE
	QUADRUPLEX RECEPTACLE
Ф	240 VOLT RECEPTACLE
Φ	FLOORBOX WITH DUPLEX RECEPTACLE
	FLOORBOX WITH QUADRUPLEX RECEPTACLE
J	JUNCTION BOX
M	METER
	DISCONNECT SWITCH ("F" INDICATES FUSED, # INDICATES FUSE SIZE)
	(ARROWHEAD EQUAL NUMBER OF CIRCUITS, HASHMARKS INDICATE CONDUCTOR
F WP	FUSED DISCONNECT ("F" INDICATES FUSED, "WP" INDICATES WEATHERPROOF)
	PANELBOARD (FLUSH MOUNTED)
	PANELBOARD (SURFACE MOUNTED)
	HASHMARKS INDICATE CONDUCTORS
\$a	SWITCH ("a" INDICATES SWITCHING)
3\$	3-WAY SWITCH
4\$ F\$	4-WAY SWITCH FAN SPEED CONTROL SWITCH
г φ к\$	KEYED SWITCH
□\$	DIMMER SWITCH
o\$	OCCUPANCY SIEMENS SWITCH
₽\$	PILOT LIGHTED SWITCH
⊤\$	TIMED SWITCH
P	PHOTO CELL
09	OCCUPANCY SENSOR
	TELEPHONE JACKS (TWO JACK OUTLETS IN SINGLE FACEPLATE)
	TELEPHONE JACKS (TWO JACK OUTLETS IN FLOORBOX) TELEPHONE & DATA JACKS (ONE EACH IN SINGLE FACEPLATE)
▼ ▽	DATA JACKS (TWO JACK OUTLETS IN SINGLE FACEPLATE)
	CLOCK
©	CALL STATION
 	SPEAKER
	MICROPHONE JACK
	TELEVISION

NO SCALE

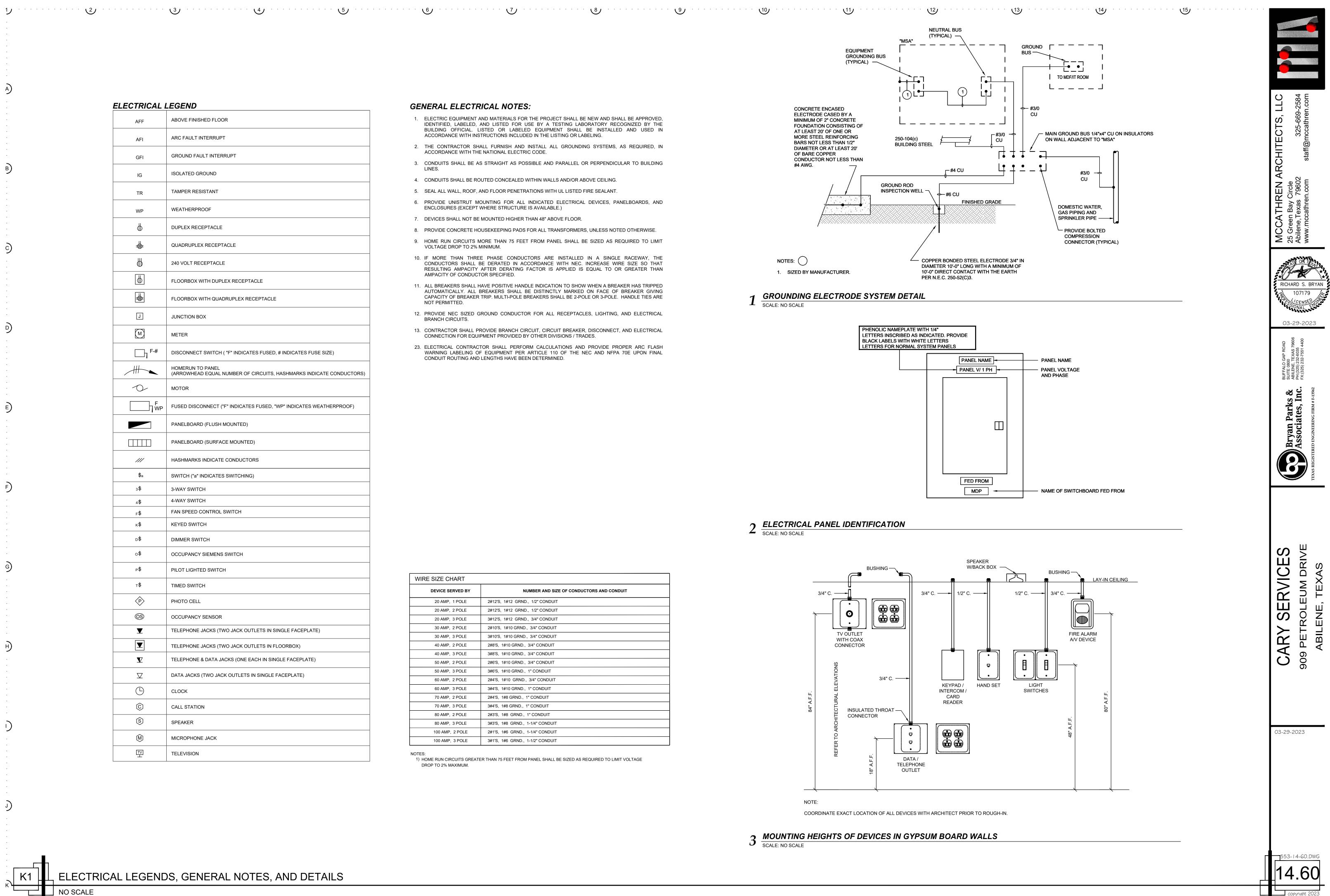
K1

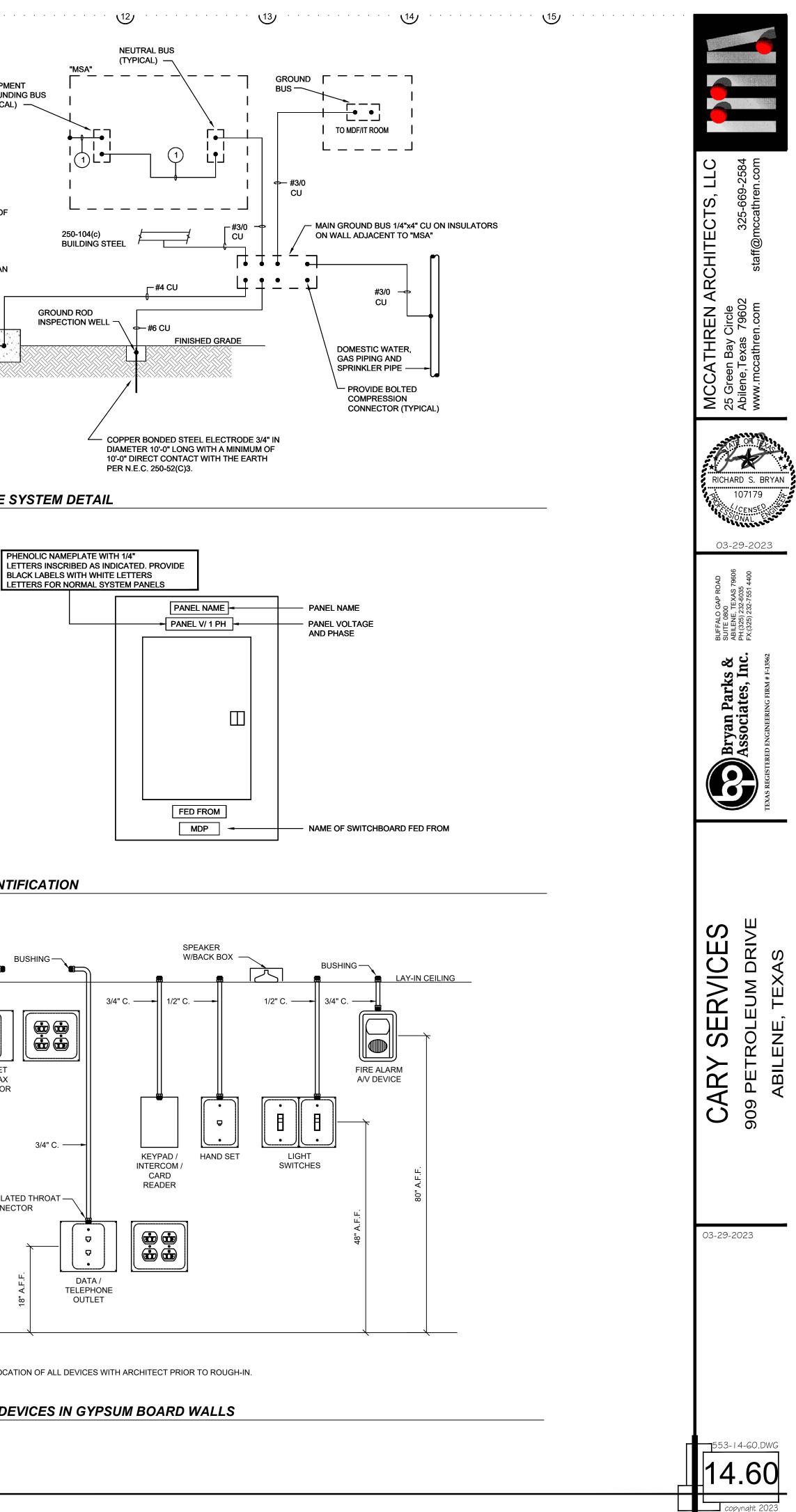
GENERAL ELECTRICAL NOTES:

LINES.

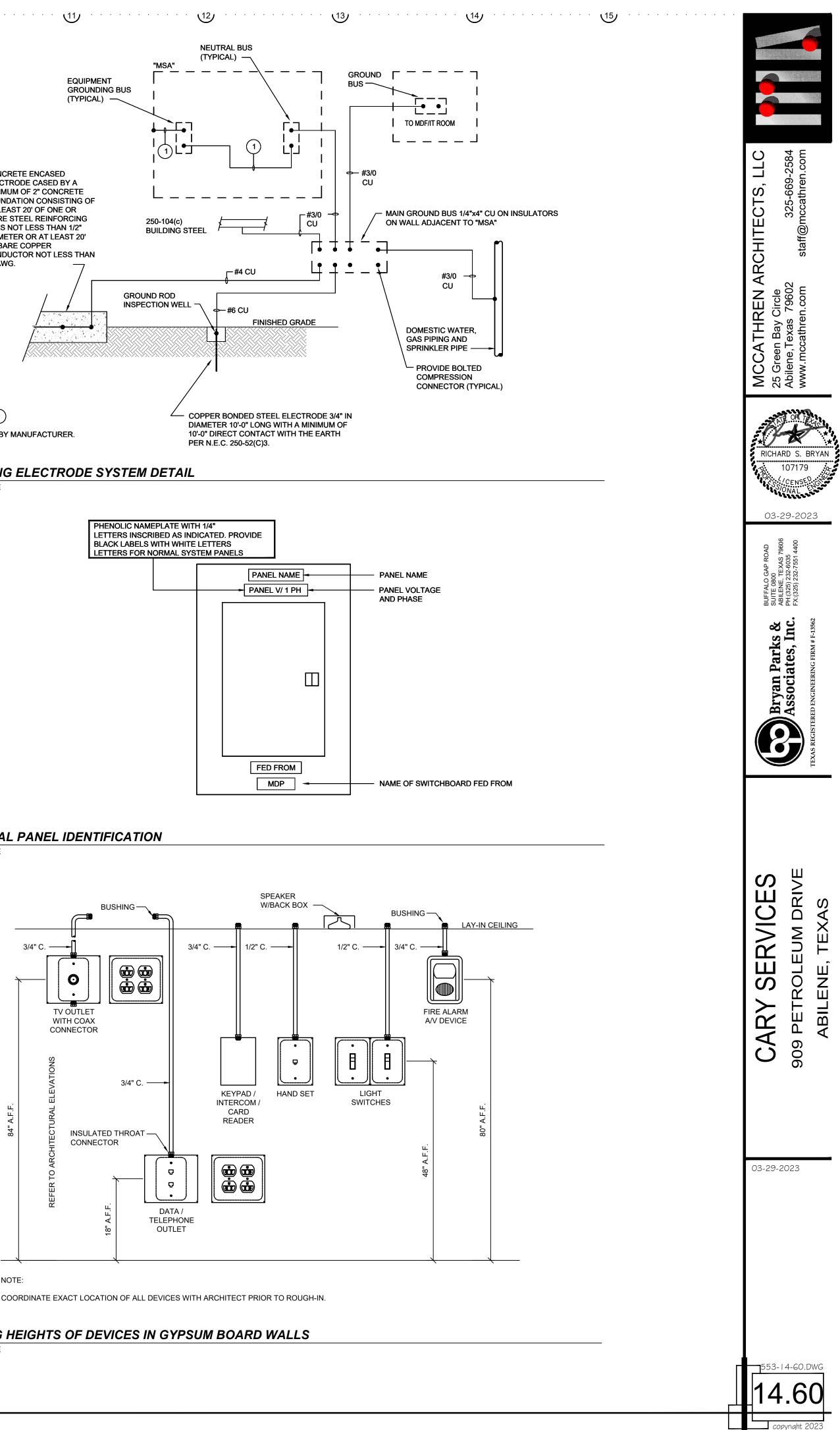
VOLTAGE DROP TO 2% MINIMUM.

- 1. ELECTRIC EQUIPMENT AND MATERIALS FOR THE PROJECT SHALL BE NEW AND SHALL BE APPROVED, IDENTIFIED, LABELED, AND LISTED FOR USE BY A TESTING LABORATORY RECOGNIZED BY THE BUILDING OFFICIAL. LISTED OR LABELED EQUIPMENT SHALL BE INSTALLED AND USED IN ACCORDANCE WITH INSTRUCTIONS INCLUDED IN THE LISTING OR LABELING.
- 2. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL GROUNDING SYSTEMS, AS REQUIRED, IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.
- 3. CONDUITS SHALL BE AS STRAIGHT AS POSSIBLE AND PARALLEL OR PERPENDICULAR TO BUILDING
- 4. CONDUITS SHALL BE ROUTED CONCEALED WITHIN WALLS AND/OR ABOVE CEILING.
- 5. SEAL ALL WALL, ROOF, AND FLOOR PENETRATIONS WITH UL LISTED FIRE SEALANT.
- 6. PROVIDE UNISTRUT MOUNTING FOR ALL INDICATED ELECTRICAL DEVICES, PANELBOARDS, AND ENCLOSURES (EXCEPT WHERE STRUCTURE IS AVAILABLE.)
- 7. DEVICES SHALL NOT BE MOUNTED HIGHER THAN 48" ABOVE FLOOR.
- 8. PROVIDE CONCRETE HOUSEKEEPING PADS FOR ALL TRANSFORMERS, UNLESS NOTED OTHERWISE. 9. HOME RUN CIRCUITS MORE THAN 75 FEET FROM PANEL SHALL BE SIZED AS REQUIRED TO LIMIT
- 10. IF MORE THAN THREE PHASE CONDUCTORS ARE INSTALLED IN A SINGLE RACEWAY, THE CONDUCTORS SHALL BE DERATED IN ACCORDANCE WITH NEC. INCREASE WIRE SIZE SO THAT RESULTING AMPACITY AFTER DERATING FACTOR IS APPLIED IS EQUAL TO OR GREATER THAN AMPACITY OF CONDUCTOR SPECIFIED.
- 11. ALL BREAKERS SHALL HAVE POSITIVE HANDLE INDICATION TO SHOW WHEN A BREAKER HAS TRIPPED AUTOMATICALLY. ALL BREAKERS SHALL BE DISTINCTLY MARKED ON FACE OF BREAKER GIVING CAPACITY OF BREAKER TRIP. MULTI-POLE BREAKERS SHALL BE 2-POLE OR 3-POLE. HANDLE TIES ARE NOT PERMITTED.
- 12. PROVIDE NEC SIZED GROUND CONDUCTOR FOR ALL RECEPTACLES, LIGHTING, AND ELECTRICAL BRANCH CIRCUITS.
- 13. CONTRACTOR SHALL PROVIDE BRANCH CIRCUIT, CIRCUIT BREAKER, DISCONNECT, AND ELECTRICAL CONNECTION FOR EQUIPMENT PROVIDED BY OTHER DIVISIONS / TRADES.
- 23. ELECTRICAL CONTRACTOR SHALL PERFORM CALCULATIONS AND PROVIDE PROPER ARC FLASH WARNING LABELING OF EQUIPMENT PER ARTICLE 110 OF THE NEC AND NFPA 70E UPON FINAL CONDUIT ROUTING AND LENGTHS HAVE BEEN DETERMINED.





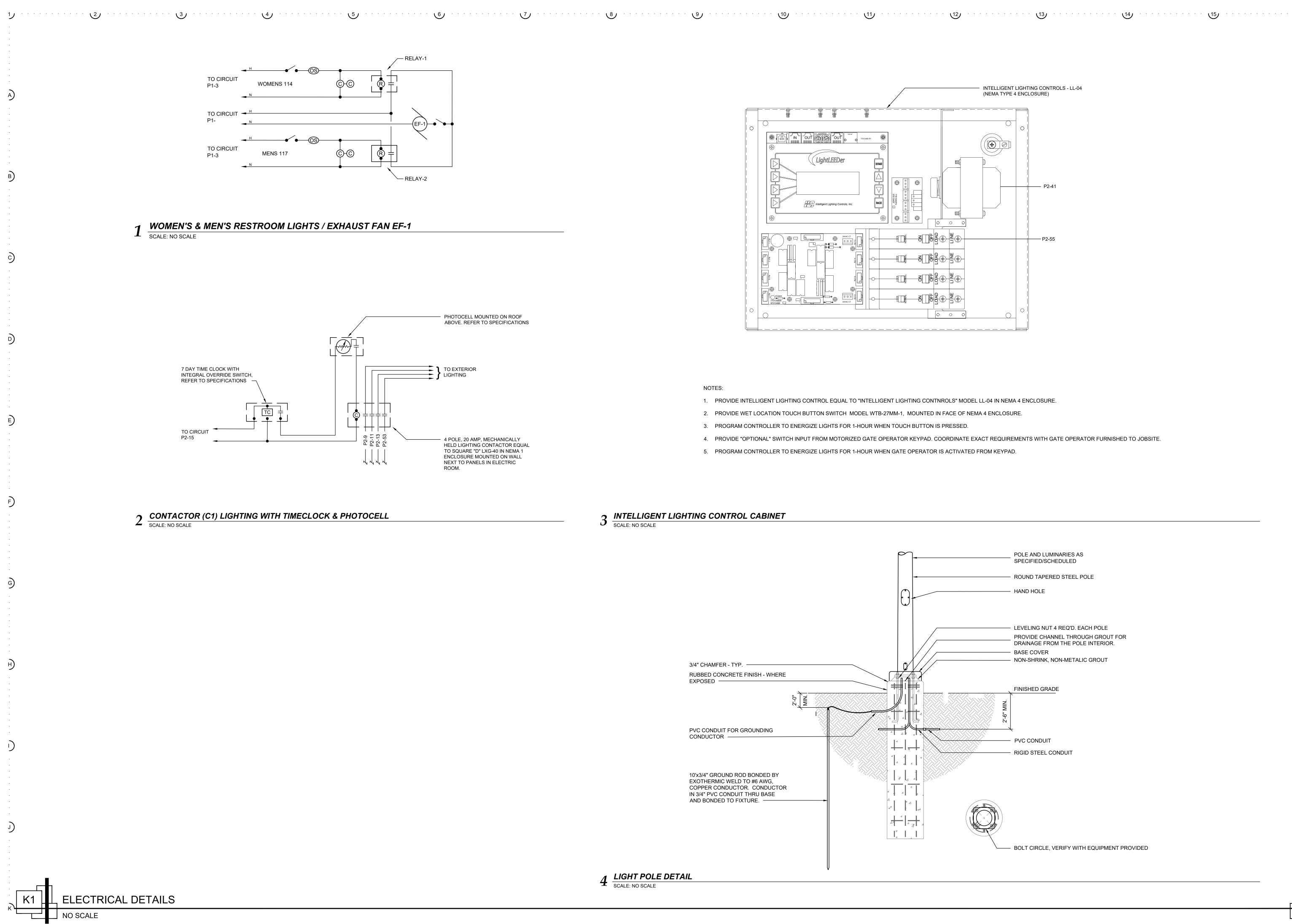
➔ ELECTRICAL PANEL IDENTIFICATION SCALE: NO SCALE

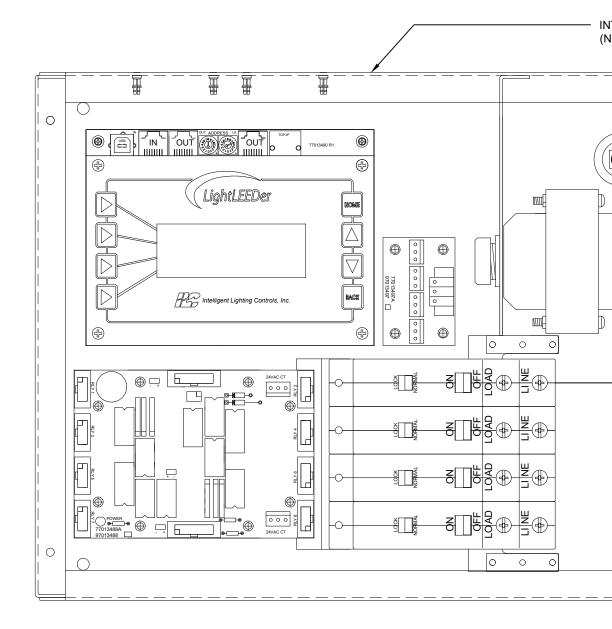


SCALE: NO SCALE

WIRE SIZE CHART	
DEVICE SERVED BY	NUMBER AND SIZE OF CONDUCTORS AND CONDUIT
20 AMP, 1 POLE	2#12'S, 1#12 GRND., 1/2" CONDUIT
20 AMP, 2 POLE	2#12'S, 1#12 GRND., 1/2" CONDUIT
20 AMP, 3 POLE	3#12'S, 1#12 GRND., 3/4" CONDUIT
30 AMP, 2 POLE	2#10'S, 1#10 GRND., 3/4" CONDUIT
30 AMP, 3 POLE	3#10'S, 1#10 GRND., 3/4" CONDUIT
40 AMP, 2 POLE	2#8'S, 1#10 GRND., 3/4" CONDUIT
40 AMP, 3 POLE	3#8'S, 1#10 GRND., 3/4" CONDUIT
50 AMP, 2 POLE	2#6'S, 1#10 GRND., 3/4" CONDUIT
50 AMP, 3 POLE	3#6'S, 1#10 GRND., 1" CONDUIT
60 AMP, 2 POLE	2#4'S, 1#10 GRND., 3/4" CONDUIT
60 AMP, 3 POLE	3#4'S, 1#10 GRND., 1" CONDUIT
70 AMP, 2 POLE	2#4'S, 1#8 GRND., 1" CONDUIT
70 AMP, 3 POLE	3#4'S, 1#8 GRND., 1" CONDUIT
80 AMP, 2 POLE	2#3'S, 1#8 GRND., 1" CONDUIT
80 AMP, 3 POLE	3#3'S, 1#8 GRND., 1-1/4" CONDUIT
100 AMP, 2 POLE	2#1'S, 1#6 GRND., 1-1/4" CONDUIT
100 AMP, 3 POLE	3#1'S, 1#6 GRND., 1-1/2" CONDUIT

1) HOME RUN CIRCUITS GREATER THAN 75 FEET FROM PANEL SHALL BE SIZED AS REQUIRED TO LIMIT VOLTAGE DROP TO 2% MAXIMUM.





NOTES:

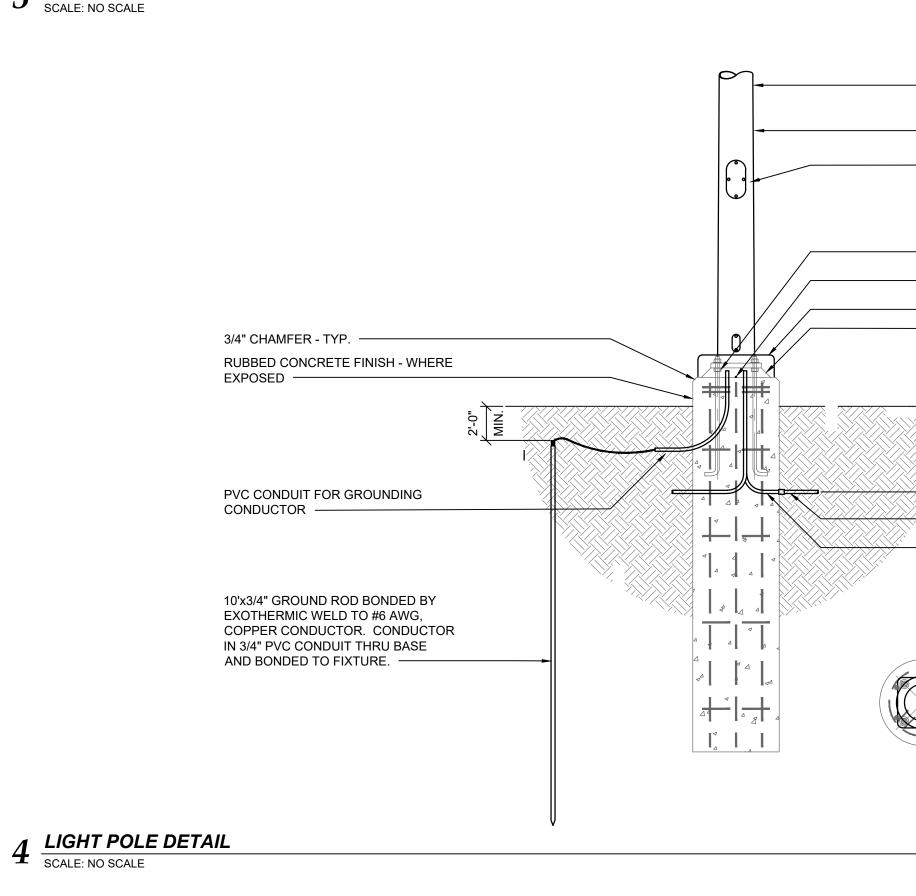
- 1. PROVIDE INTELLIGENT LIGHTING CONTROL EQUAL TO "INTELLIGENT LIGHTING CONTNROLS" MODEL LL-04 IN NEMA 4 ENCLOSURE.
- 2. PROVIDE WET LOCATION TOUCH BUTTON SWITCH MODEL WTB-27MM-1, MOUNTED IN FACE OF NEMA 4 ENCLOSURE.
- 3. PROGRAM CONTROLLER TO ENERGIZE LIGHTS FOR 1-HOUR WHEN TOUCH BUTTON IS PRESSED.
- 4. PROVIDE "OPTIONAL" SWITCH INPUT FROM MOTORIZED GATE OPERATOR KEYPAD. COORDINATE EXACT REQUIREMENTS WITH GATE OPERATOR FURNISHED TO JOBSITE.
- 5. PROGRAM CONTROLLER TO ENERGIZE LIGHTS FOR 1-HOUR WHEN GATE OPERATOR IS ACTIVATED FROM KEYPAD.

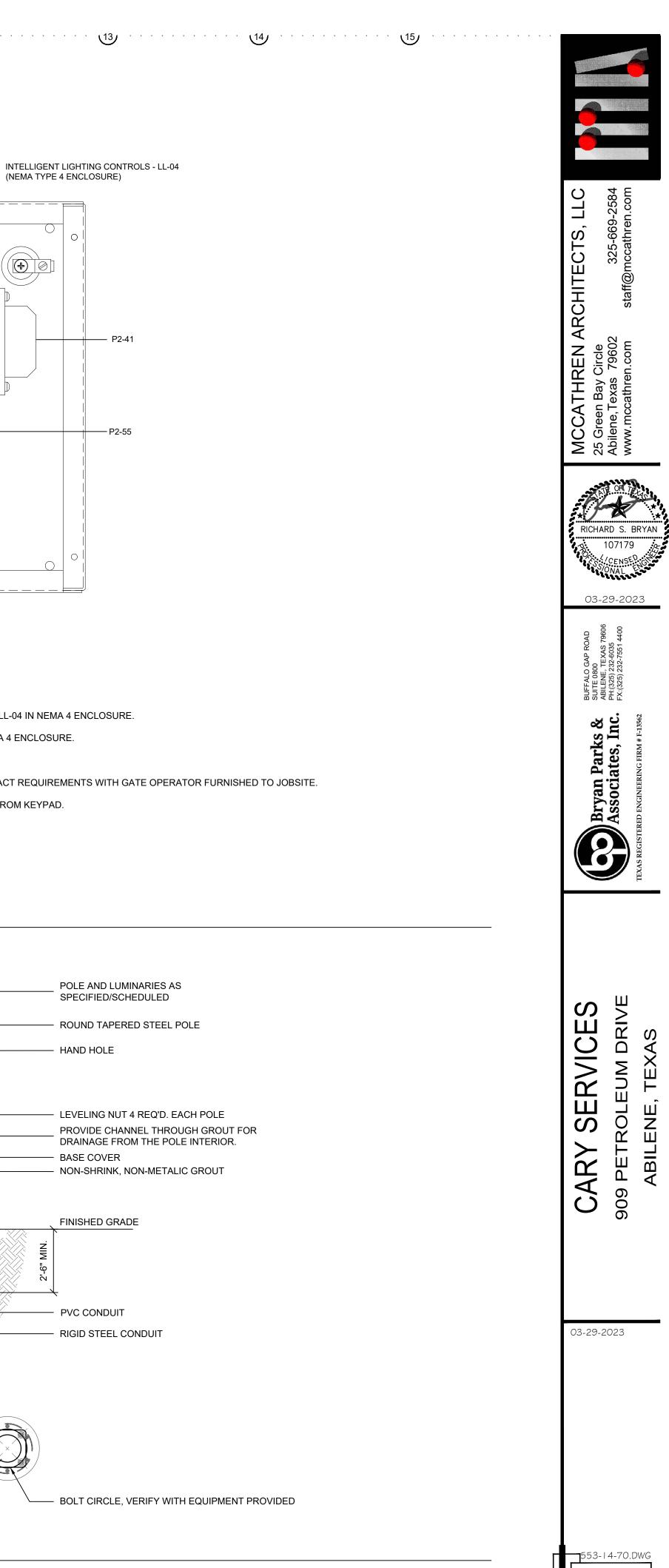
PHOTOCELL MOUNTED ON ROOF ABOVE. REFER TO SPECIFICATIONS

4 POLE, 20 AMP, MECHANICALLY HELD LIGHTING CONTACTOR EQUAL

TO SQUARE "D" LXG-40 IN NEMA 1 ENCLOSURE MOUNTED ON WALL NEXT TO PANELS IN ELECTRIC ROOM.

3 INTELLIGENT LIGHTING CONTROL CABINET SCALE: NO SCALE





4.70