ELECTRIC WALL HEATER SELECTIONS ARE BASED ON MARKEL SERIES 3450 HEATERS.

PROVIDE WITH INTEGRAL CIRCUIT BREAKER AND THERMOSTAT. PROVIDE WITH DISCONNECT SWITCH.

FAN SCHEDULE															ICE				
	FAN MOTOR FAN CONTROL																		
MARK	TYPE	CFM	E.S.P. (IN.)	AIR TEMP DEG.	SONES	RPM	TIP SPEED	0.V.	DRIVE	HP / (MAX. WATTS)	ELECTRICAL	SWITCH W/LIGHTS	WALL SWITCH	THERMOSTAT CONTROLLED	24 HR./7 DAY TIMECLOCK	CARBON MONOXIDE SENSOR	CONTINUOUS OPERATION	CONTROL CIRCUIT DISHWASHER	MODEL NUMBER
EF-1	ROOF	150	.5"	75°	4.5	1550	3342	194	DIRECT	63W	120/60/1Ø								90C15DL

MODEL NUMBERS ARE BASED ON COOK FANS. SELECTION BASED ON ELEVATION = 1,188 FT.

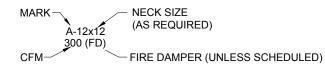
SEE SPECIFICATIONS FOR FAN TYPES AND ACCESSORIES. ALL SWITCHES, INTERLOCKS, RELAYS, TRANSFORMERS, TIMECLOCKS, ETC., SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE ELECTRICAL PLANS.

| ROOF | 150 | .5" | 75° | 4.5 | 1550 | 3342 | 194 | DIRECT | 63W | 120/60/1Ø | ● | -- | -- | -- | -- | -- | --

## GRILLES, REGISTERS, & DIFFUSERS SCHEDULE

MARK	USE	LOCATION	FINISH	MATERIAL	MOUNTING	NECK SIZE	MODEL NO.	ACCESSORIES	REMARKS
Α	SUPPLY	CEILING	WHITE	STEEL	LAY-IN	SEE DWG.	TDC-3		24x24 LAY-IN PANEL
В	SUPPLY	CEILING	WHITE	STEEL	SURFACE	SEE DWG.	TDC-1	O.B.D.	
С	RETURN	CEILING	WHITE	STEEL	LAY-IN	22x22	50F		24x24 LAY-IN PANEL
D	RET./TRAN.	CEILING	WHITE	STEEL	LAY-IN	10x22	50F		12x24 LAY-IN PANEL
E	EXHAUST	CEILING	WHITE	STEEL	SURFACE	SEE DWG.	350RL	O.B.D.	

- MODEL NUMBERS ARE BASED ON TITUS. CALLOUTS ON DRAWINGS INDICATE NECK SIZE, CFM, AND THROW PATTERN.
- M.C. SHALL FABRICATE NECESSARY RECTANGULAR TO ROUND ADAPTERS AT ALL GRILLE CONNECTIONS. ALL SURFACES VISIBLE THROUGH FACE OF GRILLE/DIFFUSER SHALL BE PAINTED FLAT BLACK.



## PUMP SCHEDULE

	MARK	SERVICE	GPM	HEAD	EFF.		MOTOF	₹	MODEL	REMARKS			
		SERVICE	GPIVI	(FT.)	ЕГГ.	HP (W)	RPM	ELECT.	NUMBER	NEWARKS			
	RCP-1	DOM. HW RECIRC.	4	10		(125)	2950	120/60/1	NBF-33	110°F RECIRCULATION			
	RCP-2	DOM. HW RECIRC.	4	10		(125)	2950	120/60/1	NBF-33	110°F RECIRCULATION			

MODEL NUMBERS ARE BASED ON BELL & GOSSETT. ALL DOMESTIC HOT WATER PUMPS SHALL BE BRONZE CONSTRUCTION.

# SEWAGE EJECTOR (ALTERNATE #6)

				\				<u>/</u>		ICE				
MARK	TYPE	GPM	HD. FT.		MOTOR			BASIN		REMARKS				
WARK	ITFE	GFINI	пр. гт.	HP	RPM	VOLTAGE	DIA.	DEPTH	INLET	REIMARAS				
SE-1	DUPLEX	45	5	2.0	3450	208/3Ø/60Hz	36"	72"	4"					

BASED ON ZOELLER SUBMERSIBLE SEWAGE EJECTORS: MODEL J840 PUMP - DUPLEX ARRANGEMENT WITH 10-0443 DUPLEX CONTROL PLANEL, THREE (3) 10-0744 FLOAT SWITCHES AND CHECK VALVE. PROVIDE BASIN WITH ANTI-FLOTATION FLANGE, OR INCREASE DEPTH OF BASIN BY 1'-0" AND FILL BOTTOM 1'-0" OF BASIN WITH CONCRETE.

#### PROJECT MECHANICAL DESIGN CRITERIA

PROJECT CITY: OXFORD, KANSAS PROJECT ELEVATION: 1,188 FT. ABOVE SEA LEVEL

BUILDING CODE: PLUMBING CODE:

FIRE CODE:

90C15DL

**GOVERNING CODES** 

2012 INTERNATIONAL BUILDING CODE MECHANICAL CODE: 2015 INTERNATIONAL MECHANICAL CODE 2015 UNIFORM PLUMBING CODE ELECTRICAL CODE: 2014 NATIONAL ELECTRIC CODE 2010 ASHRAE 90.1 2012 INTERNATIONAL FIRE CODE

COOLING WEATHER DESIGN DATA DESIGN WEATHER BASIS: ASHRAE 0.4% DESIGN DRY BULB: MEAN COINC. WET BULB: 73.2° F DESIGN WET BULB: MEAN COINC. DRY BULB: 90.7° F

ASHRAE CLIMATE ZONE: 4A COOLING DEGREE DAYS(65):1743 HEATING DEGREE DAYS(50): 1796

HEATING WEATHER DESIGN DATA DESIGN WEATHER BASIS: ASHRAE 99.6% DESIGN DRY BULB: ENERGY DATA

### MECHANICAL GENERAL NOTES

ALL DIFFUSERS ARE 4-WAY BLOW UNLESS INDICATED OTHERWISE ON THE DRAWINGS.

- PLANS ARE SCHEMATIC IN NATURE. LAYOUT IS BASED ON BEST AVAILABLE INFORMATION. PRIOR TO SUBMITTING BID CONTRACTOR SHALL VISIT JOB SITE AND BECOME FULLY ACQUAINTED WITH EXISTING CONDITIONS OF PROJECT. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- COORDINATE INSTALLATION OF MECHANICAL SYSTEMS WITH OTHER TRADES TO ENSURE NEAT AND ORDERLY INSTALLATION.
- FIELD MEASURE FINAL DUCTWORK LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED. MAINTAIN MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
- ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID AND LIGHTING LOCATIONS.
- COORDINATE ACCESS TO EQUIPMENT, VALVES, AND DAMPERS INSTALLED ABOVE 'INACCESSIBLE' CEILINGS AND IN CHASES, ETC. WITH GENERAL CONTRACTOR. PROVIDE LOCKING ACCESS DOORS FOR INSTALLATION BY GENERAL CONTRACTOR AS REQUIRED TO SERVICE CONCEALED EQUIPMENT, VALVES, AND DAMPERS. CEILING ACCESS DOORS FOR FIRE DAMPERS, AND FIRE SMOKE DAMPERS FURNISHED BY THIS CONTRACTOR AND INSTALLED BY GENERAL CONTRACTOR.
- MAINTAIN MINIMUM 10'-0" CLEARANCE BETWEEN OUTSIDE AIR INTAKES AND EXHAUST/VENT TERMINATIONS.
- A MAXIMUM LENGTH OF 5'-0" FLEX DUCT MAY BE USED AT EACH RUNOUT TO SUPPLY DIFFUSERS. FLEX DUCT SHALL NOT BE USED IN RETURN OR EXHAUST APPLICATIONS AND
- RECTANGULAR & ROUND DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS. SEE SPECIFICATIONS FOR DUCTLINER / INSULATION REQUIREMENTS.
- 10. DO NOT ROUTE DUCTWORK ABOVE ELECTRICAL PANELS OR ELECTRICAL GEAR. COORDINATE ROUTING WITH OTHER TRADES.

#### PLUMBING GENERAL NOTES

- PLANS ARE SCHEMATIC IN NATURE. LAYOUT IS BASED ON BEST AVAILABLE INFORMATION, PRIOR TO SUBMITTING BID CONTRACTOR SHALL VISIT JOB SITE AND BECOME FULLY ACQUAINTED WITH EXISTING CONDITIONS OF PROJECT. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- COORDINATE INSTALLATION OF PLUMBING SYSTEMS WITH OTHER TRADES TO ENSURE NEAT AND ORDERLY INSTALLATION.
- FIELD MEASURE FINAL PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED. MAINTAIN MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
- COORDINATE ROUTING OF PLUMBING AND FIRE PROTECTION PIPING WITH DUCTWORK, LIGHTS, ARCHITECTURAL CEILING AND STRUCTURAL ELEMENTS. PIPING SHALL RISE AND DROP, JOG OR OFFSET AS REQUIRED TO AVOID CONFLICTS. DUCTWORK SHALL TAKE PRECEDENCE OVER ALL PIPING, INCLUDING FIRE SPRINKLER PIPING EXCEPT WHERE GRADE MUST BE MAINTAINED FOR DRAINAGE. PROVIDE ADDITIONAL MANUAL AIR VENTS FOR PIPING WHERE REQUIRED FOR PIPING TO OFFSET. FIRE PROTECTION CONTRACTOR SHALL PROVIDE ADDITIONAL DRAINS AS REQUIRED TO DRAIN SYSTEM
- NO PIPING SHALL PENETRATE STRUCTURAL MEMBERS.
- WALL CLEANOUT AND ACCESS DOORS SHALL MATCH ADJACENT SURFACES.
- MAINTAIN MINIMUM 10'-0" CLEARANCE BETWEEN OUTSIDE AIR INTAKES AND EXHAUST/VENT TERMINATIONS.
- DO NOT ROUTE PIPING ABOVE ELECTRICAL PANELS OR ELECTRICAL GEAR. COORDINATE ROUTING WITH OTHER TRADES.
- ALL WALL CAPS SHALL BE PAINTED TO MATCH WALL. ROOF CAPS AND VENTS SHALL BE PAINTED, COLOR SELECTED BY ARCHITECT
- PROVIDE WCO AT BASE OF ALL WASTE STACKS INCLUDING LAVATORIES AND SINKS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS FOR ROUTING AND CONNECTION OF SANITARY SEWER / WATER / GAS SERVICES. COORDINATE WITH LOCAL
- 12. REFER TO PLUMBING FIXTURE SCHEDULE FOR PIPING RUNOUT SIZES TO INDIVIDUAL PLUMBING FIXTURES.
- 13. CONTRACTOR SHALL VERIFY ALL CONNECTION REQUIREMENTS TO EQUIPMENT PROVIDED BY OTHERS WITH ACTUAL EQUIPMENT PROVIDED ON SITE.
- 14. CONTRACTOR TO COORDINATE WITH LOCAL UTILITY TO DETERMINE IF EXISTING GAS METER & SERVICE LINE HAS CAPACITY FOR NEW ADDITIONAL LOAD = (390 MBH). PROVIDE NEW METER, REGULATOR, ETC. AS REQUIRED.

#### ROOFTOP UNIT SCHEDULE

	MIN.	MINI		FAN		HEA	TING				CO	OLING					ELEC-	TDICAL	
MARK	MODEL NO.	CFM	O.A. (CFM)		FAIN		МВН		MBH	MBH	ENTER	ING AIR	COMP. (E	ΞA)	cc	OND. (E	A)	ELECTRICAL	
			(Ci Wi)	ESP	HP	FLA	INPUT	OUTPUT	(TOT.)	(SENS.)	DB	WB	RLA	NO.	HP	FLA	NO.	VOLTAGE	MCA/MOCP
RTU-1	YHC067E3	1,600	400	.75"	1.0	3.8	130	104	53.63	42.11	81.5°F	65.6°F	16.2	1	0.4	2.5	1	208/60/3Ø	32.2 / 45
RTU-2	YHC067E3	1,600	480	.75"	1.0	3.8	130	104	54.32	43.21	82.8°F	66.2°F	16.2	1	0.4	2.5	1	208/60/3Ø	32.2 / 45
RTU-3	YHC067E3	1,950	555	.75"	1.0	3.8	130	104	57.26	46.28	82.2°F	65.9°F	16.2	1	0.4	2.5	1	208/60/3Ø	32.2 / 45
RTU-10	YHC092E3	3,000	790	.75"	3.8	8.5	200	160	87.58	69.37	81.8°F	65.8°F	16.0/11.5	2	0.75	2.7	1	208/60/3Ø	42.7 / 50
RTU-11	YHC067E3	1,950	550	.75"	1.0	3.8	130	104	57.22	46.14	82.1°F	65.9°F	16.2	1	0.4	2.5	1	208/60/3Ø	32.2 / 45
RTU-12	YHC047E3	1,600	440	.75"	1.0	9.4	120	96	48.23	38.14	82.1°F	65.9°F	14.0	1	0.4	2.5	1	208/60/3Ø	29.4 / 40

1. MODEL NUMBERS ARE BASED ON TRANE VOYAGER AND PRECEDENT PACKAGED

- GAS/ELECTRIC ROOFTOP UNITS. 2. SCHEDULED COOLING CAPACITIES ARE GROSS COOLING CAPACITIES BASED ON:
- SCHEDULED ENTERING AIR AND 100.9 DEG. AMBIENT TEMPERATURES. 3. SCHEDULED HEATING CAPACITIES ARE FOR HIGH AND LOW STAGE.
- REFRIGERANT TYPE IS R-410A. 5. RTU-10,11,12 TO BE PART OF ALTERNATE #7

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#### WATER HEATER SCHEDIII E

L V V A	WATER REATER SCHEDULE														
		STOR.	WATER RECOVERY				GAS				ELECTRIC				
MARK	TYPE			DEG. RISE	INPUT	VENT	INTAKE	В	URNER	NO. OF	ELEMENT	VOLTAGE	<u>ET-1</u>	MODEL	
		GALLONS	(G.P.M.)		MBH DIA.		DIA.	HP	AMPS	ELEMENTS	KW	VOLTAGE			
EWH-1	TANK	30	21	90°						2	4.5	208/60/1Ø		ENT-30	
EWH-2	TANK	30	21	90°						2	4.5	208/60/1Ø		ENT-30	

WATER HEATER SELECTION BASED ON AO SMITH PROLINE ELECTRIC WATER HEATERS.

SET DISCHARGE TEMPERATURE ON WATER HEATER TO 140° UPON INSTALLATION. HEATING ELEMENTS TO BE NON-SIMULTANEOUS OPERATION

## MECHANICAL LEGEND

( NOT	ALL SYMB	OLS LISTED BELOW A	ARE BEING USED	IN THIS	SET OF MECHANICAL	DRAWINGS)					IC
SYMBOL	ABBR	DESCRIPTION	SYMBOL	ABBR	DESCRIPTION	SYMBOL	ABBR	DESCRIPTION	SYMBOL	ABBR	DESCRIPTION
HVAC:		DIFFUSER	PIPING:	CW	DOMESTIC COLD WATER	PLUMBING EQUIP. <b>←──</b> ──		SHUT-OFF VALVE (GATE VALVE NOT	SYMBOLS:	<u>P1.1</u> <u>F-1</u>	PLUMBING FIXTURE NUMBER EQUIPMENT DESIGNATION
	RAG	RETURN AIR GRILLE	<b></b>	HW	DOMESTIC HOT WATER	₩ <u>₩</u>		BALL VALVE	1		SHEET NOTE
		HATCH INDICATES BLANKED SECTION	<b>←</b> 140° <b>←</b>	140°	DOMESTIC 140° HOT WATER	<b>₩</b>		BUTTERFLY VALVE	0	POC	POINT OF CONN. (CONN. NEW TO EXISTING)
		NEW DUCTWORK	<b></b>	HWC	DOMESTIC HOT WATER CIRCULATING			BALANCING VALVE CHECK VALVE		DN	DOWN
		EXISTING DUCTWORK	~	SAN	SANITARY WASTE ABOVE FLOOR	<b>₩</b>		STRAINER GAS COCK		TOD	TOP OF DUCT (ABOVE FIN. FLOOR)
2		EXISTING DUCTWORK TO BE REMOVED	<b>⊢</b>	SAN	SANITARY WASTE			PIPING UNION		BOP NTS	BOTTOM OF PIPE NOT TO SCALE
		SUPPLY DUCT UP	<b>←</b> — — →	V	BELOW FLOOR SANITARY VENT	<b>→</b> <b>→</b> <b>→</b>		PIPE REDUCER  VALVE IN RISER		A.F.F.	ABOVE FINISHED FLOOR
ไ ถ ⊗		ROUND DUCT	<b>←</b> RD <b>→</b>	RD	ROOF DRAIN	<del>-   </del>	НВ	HOSE BIBB,		C.A.	COMBUSTION AIR
		UP SUPPLY DUCT DOWN	<b>⊱</b> RD <b>⊰</b>	RD	ROOF DRAIN BELOW FLOOR	<del>  </del>	FPWH	FREEZE PROOF WALL HYDRANT		O.A. E.A.	OUTSIDE AIR EXHAUST AIR
		RETURN OR	<b>~</b> ORD <b>→</b>	ORD	ROOF OVERFLOW	(0)	RD	ROOF DRAIN		S.A.	SUPPLY AIR
		EXHAUST DUCT DOWN	<b>←</b> FP <b>←</b> G <b>←</b>	FP G	FIRE PROTECTION  NATURAL GAS	(0)	ORD	OVERFLOW ROOF DRAIN		R.A.	RETURN AIR
$\square \boxtimes$		ROUND DUCT DOWN	<b>←</b> cws <b>←</b>	cws	CHILLED WATER SUPPLY	0	FD	FLOOR DRAIN		R.A.G.	RETURN AIR GRILLE TRANSFER AIR GRILLE
		RECTANGULAR VANED ELBOW	<b>←</b> CWR <b>←</b>	CWR	CHILLED WATER RETURN	T	WCO FCO	WALL CLEANOUT		O.B.D.	OPPOSED BLADE DAMPEI
		ROUND ELBOW	⊱—HWS—	HWS	HEATING WATER SUPPLY		FS	FLOOR SINK		W.P.L. G.C.	WEATHER PROOF LOUVE GENERAL CONTRACTOR
		MITERED ROUND ELBOW	HWR	HWR	HEATING WATER RETURN	0+ →	VTR	VENT THRU ROOF		M.C. P.C.	MECHANICAL CONTRACTO
		CONCENTRIC	<b>←</b> D <b>←</b>	D	CONDENSATE DRAIN					E.C.	ELECTRICAL CONTRACTO
		TRANSISTION  ECCENTRIC TRANSISTION	,—GW— OH	GW	GREASE WASTE  ELBOW UP					T) H	THERMOSTAT/SENSOR HUMIDISTAT/SENSOR
		SQUARE TO ROUND	Ю Э		TEE UP						
		TRANSITION	<del>- C</del>		TEE DOWN						
DN/UP		DUCT DROP/RISE IN DIRECTION OF ARROW			PIPE CAP OR PLUG						
		45° TAKEOFF FITTING									
		45° TAKEOFF FITTING WITH MANUAL VOLUME DAMPER									
	MVD	MANUAL VOLUME DAMPER WITH LOCKING QUADRANT									
	MD	MOTORIZED DAMPER									
FD FD	FD	FIRE DAMPER									
	FS	COMBINATION FIRE/SMOKE DAMPER									

# PLUMBING FIXTURE SCHEDULE

	T LOWIDING TOTAL GOTTLEGEL																		ICE					
										111				TRIM					ROU	GH-IN S	IZES			ı
								HTS	Ä	HOLE								WAS	STE	VENT	WA	TER		
	P-NO.	FIXTURE	MAN.	MODEL	SIZE	MATERIAL	MOUNTING	MOUNTING HEIGHTS	ISH VALVE/TANK	OF FAUCET	ADA COMPLIANI CARRIFR	NAIEN	FAUCET/ VALVE MAN.	FAUCET/ VALVE MODEL	RAINER	SE & SPRAY	OAP DISP.	ABOVE GND.	OW GND.		L	Q.	NOTES	
IOF						MA	MO	MO	FLUSH	S	ADA	5			STR	HOSE	80/	ABC	BEL		НОТ	COL	NO	
ICE	P1.1	WATER CLOSET	KOHLER	K-96053	N/A	VC	F		٧			-	SLOAN ROYAL	111-1.6					4"	2"		1 1/4"	2,3	1
	P1.2	WATER CLOSET	KOHLER	K-96064-SS	N/A	VC	F		٧	(	<b>-</b> -	-	SLOAN ROYAL	111-1.6					4"	2"		1 1/4"	1,2	١\
OCP	P2.1	LAVATORY	KOHLER	K-2005	21x18	VC	W	1		3			DELTA	22C531	1			1 1/2"	2"	1 1/2"	1/2"	1/2"	4,7	١_
45	P2.2	LAVATORY	KOHLER	K-2005	20x18	vc	w	2		3			DELTA	22C531	1			1 1/2"	2"	1 1/2"	1/2"	1/2"	4,7	١,
45	P3.1	SINGLE COMP. SINK	ELKAY	LRAD-1720-6.5	17x20	ss	С			2	<b>)</b>	- [	DELTA	27C4932-R7	2			1 1/2"	2"	1 1/2"	1/2"	1/2"	5,6	
45	P4.1	ELEC. WTR. COOLER	ELKAY	LZSTL8WSLK	N/A	SS	W	3		(	<b>)</b>	-			-			1 1/2"	2"	1 1/2"		1/2"		1
50	P5.1	MOP BASIN	FIAT	MSB-2424	24x24x10	MS	F					- [	DELTA	28T9					3"	1 1/2"	3/4"	3/4"	11	)
			· ^ ^ ^ ^	· ^												-				·^ ~				

VC VITREOUS CHINA RIM AT 34" A.F.F. MAX. RIM AT 24" A.F.F.

SS STAINLESS STEEL

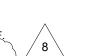
FLOOR MOUNTED

PROVIDE WITH TRIP LEVER ON WIDE SIDE OF FIXTURE

PROVIDE WITH WHITE OPEN-FRONT SEAT, LESS COVER. ELECTRONIC SENSOR OPERATED FLUSH VALVES SHALL BE BATTERY POWERED. PROVIDE AND INSTALL TRUEBRO MODEL 103 INSULATION, WITH ONE P-TRAP COVER, TWO ANGLE VALVE AND SUPPLY COVERS, AND ONE OFFSET TAILPIECE WHEEL CHAIR COVER.

HIGH BUBBLER AT 41" A.F.F. MAX-LOW BUBBLER AT 36" A.F.F. MAX.

- SUPPLY WITH RIGID SPOUT. FURNISH FIXTURE WITH OFF-CENTERED REAR DRAIN CONNECTION.
  - \_PROVIDE LEAD-FREE POWERS LFE480 MIXING VALVE (OR EQUAL) TO MAINTAIN LAVATORY TEMPERATURE AT 110°E. PROVIDE MOP HANGER, WALL GUARD, AND HOSE & HOSE BRACKET, AND STAINLESS STEEL FLATHEAD STRAINER.



STRAINER TYPE

BASKET





HANNEY & ASSOCIATES, ARCHITECT Fax (316) 684-1441 www.haarchitects.com

DRAWINGS ISSUED ITEM ISSUED 8 9/12/19 ADDENDUM 3 7 8/19/19 ISSUED FOR BIDS 6 8/9/19 90% REVIEW 5 7/5/19 REVIEW 4 6/24/19 REVIEW 3 5/6/19 REVIEW 2 4/27/19 REVIEW 4/08/19 REVIEW

COMPUTER DRAWING

DRAWN BY: CHECKED BY SHEET

DATE: APRIL, 2019

