

FAN SCHEDULE

MARK	TYPE	CFM	E.S.P. (IN.)	AIR TEMP DEG.	SONES	FAN				HP / (MAX. WATTS)	ELECTRICAL	FAN CONTROL						MODEL NUMBER	
						RPM	TIP SPEED	O.V.	DRIVE			SWITCH W/ LIGHTS	WALL SWITCH	THERMOSTAT CONTROLLED	24 HR / 7 DAY TIMELOCK	CARBON MONOXIDE SENSOR	CONTINUOUS OPERATION		CONTROL CIRCUIT DISHWASHER
EF-1	ROOF	1125	.375"	75°	5.8	880	3377	828	DIRECT	.25	120/60/10	●	-	-	-	-	-	-	150C08D
EF-2	CEILING	100	.375"	75°	2.0	1100	1941	510	DIRECT	35.8W	120/60/10	●	-	-	-	-	-	GC-166	
EF-3	CEILING	100	.375"	75°	2.0	1100	1941	510	DIRECT	35.8W	120/60/10	●	-	-	-	-	-	GC-166	
EF-4	CEILING	100	.375"	75°	2.0	1100	1941	510	DIRECT	35.8W	120/60/10	●	-	-	-	-	-	GC-166	

- NOTES:
 1. MODEL NUMBERS ARE BASED ON COOK FANS. SELECTION BASED ON ELEVATION = 3.681 FT.
 2. SEE SPECIFICATIONS FOR FAN TYPES AND ACCESSORIES.
 3. ALL SWITCHES, INTERLOCKS, RELAYS, TRANSFORMERS, TIMELOCKS, ETC., SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE ELECTRICAL PLANS.

PLUMBING FIXTURE SCHEDULE

P-NO.	FIXTURE	MAN.	MODEL	SIZE	MATERIAL	MOUNTING	MOUNTING HEIGHTS	FLUSH VALVE/TANK	NO. OF FAUCET HOLES	ADA COMPLIANT	CARRIER	TRIM			ROUGH-IN SIZES				NOTES
												FAUCET/ VALVE MAN.	FAUCET/ VALVE MODEL	STRAINER	WASTE	VENT	WATER		
P1.1	WATER CLOSET	KOHLER	K-4325	N/A	VC	W	1	V	-	●	SLOAN G2 OPTIMA	8111-1.6	-	-	4"	4"	2"	1 1/4"	2.3
P1.2	WATER CLOSET	KOHLER	K-4325	N/A	VC	W	2	V	-	●	SLOAN G2 OPTIMA	8111-1.6	-	-	4"	4"	2"	1 1/4"	2.3
P1.3	WATER CLOSET	KOHLER	K-96057	N/A	VC	F	-	V	-	●	SLOAN G2 OPTIMA	8111-1.6	-	-	4"	4"	2"	1 1/4"	1.2, 3
P1.4	WATER CLOSET	KOHLER	K-96053	N/A	VC	F	-	V	-	●	SLOAN G2 OPTIMA	8111-1.6	-	-	4"	4"	2"	1 1/4"	2
P2.1	URINAL	KOHLER	K-4991-ET	N/A	VC	W	3	V	-	●	SLOAN G2 OPTIMA	8186-1.0	-	-	2"	2"	1 1/2"	3/4"	3
P2.2	URINAL	KOHLER	K-4991-ET	N/A	VC	W	4	V	-	●	SLOAN G2 OPTIMA	8186-1.0	-	-	2"	2"	1 1/2"	3/4"	3
P3.1	LAVATORY	NEO-METRO	9152	56x22	W	-	-	-	-	-	DYSON	WD06	-	-	1 1/2"	2"	1 1/2"	1/2"	12, 14, 17, 18
P3.2	LAVATORY	NEO-METRO	9153	80x22	W	-	-	-	-	-	DYSON	WD06	-	-	1 1/2"	2"	1 1/2"	1/2"	12, 14, 17, 18
P3.3	LAVATORY	KOHLER	K-2196-4	20x17	VC	C	-	-	2	●	SLOAN	EBF-187	1	-	1 1/2"	2"	1 1/2"	1/2"	12
P4.1	SINGLE COMP. SINK	ELKAY	CHS1716LRSC	16x15	SS	W	-	-	2	-	ELKAY	LK499A	1	-	1 1/2"	2"	1 1/2"	1/2"	6
P4.2	THREE COMP. SINK	ADVANCED TABCO	FC-3-1620-36RL	120x26	SS	F	-	-	2	-	ELKAY	LK940 GN042H	2	-	1 1/2"	2"	1 1/2"	1/2"	13, 15
P4.3	SINGLE COMP. SINK	ELKAY	LR1517	15x17	SS	C	-	-	3	-	DELTA	400WFSFPW	2	-	1 1/2"	2"	1 1/2"	1/2"	9
P5.1	SHOWER	---	---	---	---	---	---	---	7	-	DELTA	T13H323	-	-	1 1/2"	2"	1 1/2"	1/2"	10
P6.1	MOP BASIN	FIAT	MSB-2424	24x24x10	MS	F	-	-	-	-	CHICAGO	897-CP	-	-	3"	1 1/2"	3/4"	3/4"	11
FPWH	FREEZE PROOF WALL HYDRANT	WOODFORD	67	---	SS	W	-	-	-	-	---	---	-	-	---	---	---	---	3/4"
TD-1	TRENCH DRAIN	ZURN	ZS880	60"	SS	F	-	-	-	-	---	---	-	-	2"	---	---	---	---
WS-1	WATER SOFTENER	CULLIGAN	CTM-90-DF	---	---	---	---	---	---	---	---	---	-	-	---	---	---	---	16

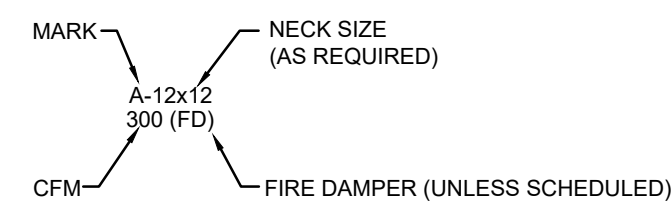
SCHEDULE LEGEND

MATERIAL	MOUNTING HEIGHTS	STRAINER TYPE
VC VITREOUS CHINA SS STAINLESS STEEL T TERRAZZO CI CAST IRON MS MOLDED STONE ES EPOXY PAINTED STEEL A AMERICAST V VINYL L LASCOAT	1. RIM AT 18" A.F.F. (TOP OF SEAT AT 19" MAX.)-VALVE OPERATOR AT 44" A.F.F. MAX. (ADA) 2. RIM AT 15" A.F.F. (TOP OF SEAT AT 16" A.F.F.) 3. LIP AT 17" A.F.F. VALVE OPERATOR AT 44" A.F.F. MAX. (ADA) 4. LIP AT 24" A.F.F. 5. RIM AT 34" A.F.F. MAX. 6. RIM AT 30" A.F.F. 7. SHOWER HEAD SLIDE BAR MOUNTED AT 48" A.F.F. MAX.-VALVE CONTROLS AT 44" A.F.F. 8. HIGH BUBBLER AT 41" A.F.F. MAX.-LOW BUBBLER AT 36" A.F.F. MAX. 9. BUBBLER HEIGHT AT 36" A.F.F. MAX. (ADA) 10. BUBBLER HEIGHT AT 41" A.F.F. MAX. (STANDARD)	1. GRID 2. BASKET 3. POP-UP 4. PRESS-FLO CLOSURE 5. (3) ELKAY MODEL LK24RT ROTARY LEVER OPERATED DRAIN OUTLETS 6. TUB DRAIN
MOUNTING		
F FLOOR MOUNTED W WALL HUNG C COUNTER MOUNTED U UNDER COUNTER MTD.		

- NOTES:
 1. PROVIDE WITH TRIP LEVER ON WIDE SIDE OF FIXTURE.
 2. PROVIDE WITH WHITE OPEN-FRONT SEAT, LESS COVER.
 3. ELECTRONIC SENSOR OPERATED FLUSH VALVES SHALL BE BATTERY POWERED.
 4. PROVIDE AND INSTALL TRUEBRO MODEL 103 INSULATION, WITH ONE P-TRAP COVER, TWO ANGLE VALVE AND SUPPLY COVERS, AND ONE OFFSET TALLPIECE WHEEL CHAIR COVER.
 5. BATTERY OPERATED ELECTRONIC SENSOR OPERATED FAUCET SHALL BE FURNISHED. PROVIDE SLOAN THERMOSTATIC MIXING VALVE WITH FAUCET.
 6. SUPPLY WITH RIGID SPOUT.
 7. FURNISH FIXTURE WITH OFF-CENTERED REAR DRAIN CONNECTION.
 8. SUPPLY WITH IN-SINK-ERATOR MODEL 555 .3/4 HP DISPOSER.
 9. SUPPLY WITH SWIVEL SPOUT.
 10. PROVIDE WITH GRAB BARS, FOLD UP SEAT, DOME LIGHT, SHOWER CURTAIN ROD AND CURTAIN.
 11. PROVIDE MOP HANGER, WALL GUARD, AND HOSE & HOSE BRACKET, AND STAINLESS STEEL FLATHEAD STRAINER.
 12. PROVIDE LEAD-FREE POWERS LEAD90 MIXING VALVE (OR EQUAL) TO MAINTAIN LAVATORY TEMPERATURE AT 110°F.
 13. PROVIDE CPVC CONTINUOUS WASTE FITTING, WITH LEVEL HANDLE STOPS.
 14. SLOAN AND BOBRICK ARE APPROVED EQUALS FOR SINK MANUFACTURERS. COORDINATE WITH ARCHITECT AND OWNER FOR EXACT REQUIREMENTS PRIOR TO BID / ORDERING. BRADLEY AND SLOAN ARE APPROVED EQUALS FOR FAUCET MANUFACTURERS. COORDINATE WITH ARCHITECT AND OWNER FOR EXACT REQUIREMENTS PRIOR TO BID / ORDERING.
 15. PROVIDE BRADLEY S19-200B FAUCET MOUNTED EYEWASH, PROVIDE ALL NECESSARY EQMT FOR A COMPLETE INSTALLATION. COORDINATE WITH PLUMBING CONTRACTOR.
 16. SEE SHEET P2.1 FOR ADDITIONAL INFORMATION ON WATER SOFTENER.
 17. SLOAN MANUFACTURE IS A ENGINEER APPROVED EQUAL.
 18. CONTRACTOR AND OWNER TO COORDINATE LOCATION OF SOAP DISPENSERS WITH EQUIPMENT SUPPLIER PRIOR TO ORDERING.

GRILLES, REGISTERS, & DIFFUSERS SCHEDULE

MARK	USE	LOCATION	FINISH	MATERIAL	MOUNTING	NECK SIZE	MODEL NO.	ACCESSORIES	REMARKS
A	SUPPLY	CEILING	WHITE	STEEL	LAY-IN	SEE DWG.	TDC-3	---	24x24 LAY-IN PANEL
B	SUPPLY	CEILING	WHITE	STEEL	SURFACE	SEE DWG.	TDC-1	O.B.D.	12x12 PANEL
C	SUPPLY	CEILING	WHITE	STEEL	SURFACE	SEE DWG.	300RL	O.B.D.	---
D	RETURN	CEILING	WHITE	STEEL	LAY-IN	10x22	50F	---	12x24 LAY-IN PANEL
E	RET/EXH	CEILING	WHITE	STEEL	LAY-IN	22x22	50F	---	24x24 LAY-IN PANEL
F	RET/TRANS	CEILING	WHITE	STEEL	SURFACE	SEE DWG.	350RL	---	---
G	EXHAUST	CEILING	WHITE	STEEL	SURFACE	SEE DWG.	350RL	O.B.D.	---



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

WATER HEATER SCHEDULE

MARK	TYPE	STOR. CAP. GALLONS	WATER RECOVERY G.P.H. (G.P.M.)	DEG. RISE	INPUT MBH	VENT DIA.	INTAKE DIA.	GAS		ELECTRIC		ET-1	MODEL
								HP	AMPS	NO. OF ELEMENTS	ELEMENT KW		
GWH-1	INSTANT.	---	5.4	70°	199	4.5"	4.5"	--	--	--	--	120/60/10	CU199I
GWH-2	INSTANT.	---	5.4	70°	199	4.5"	4.5"	--	--	--	--	120/60/10	CU199I

- NOTES:
 1. GAS WATER HEATER SELECTION BASED ON RINNAI GAS INSTANTANEOUS WATER HEATERS.
 2. PROVIDE WATER HEATER WITH RINNAI RACK SYSTEM FOR (2) WALL MOUNTED WATER HEATERS, MODEL NUMBER TRW02CU.

PUMP SCHEDULE

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

- NOTES:
 1. MODEL NUMBERS ARE BASED ON BELL & GOSSETT.
 2. ALL DOMESTIC HOT WATER PUMPS SHALL BE BRONZE CONSTRUCTION.

FURNACE SCHEDULE

MARK	TYPE	HEAT (MBH)		EVAPORATOR			BLOWER				VENT PIPE DIAMETER (IN.)	INTAKE PIPE DIAMETER (IN.)	MODEL NUMBERS			
		INPUT	OUTPUT	MBH	PD (IN.)	ROWS	AREA	CFM	ESP (IN.)	HP			FAN SPEED	ELECTRICAL	FURNACE	DX COIL
FUR-1	UPFLOW	120	113.4	60.0	---	---	---	2,000	0.7"	1	MED-HIGH	120/60/1	3"	3"	S9X1D120	4PXCDBU60
FUR-2a	UPFLOW	80	77.2	48.0	---	---	---	1,400	0.7"	3/4	HIGH	120/60/1	3"	3"	S9X1B080	4PXCDBU48
FUR-2b	UPFLOW	80	77.2	48.0	---	---	---	1,400	0.7"	3/4	HIGH	120/60/1	3"	3"	S9X1B080	4PXCDBU48
FUR-3	UPFLOW	120	113.4	60.0	---	---	---	2,000	0.7"	1	MED-HIGH	120/60/1	3"	3"	S9X1D120	4PXCDBU60

- NOTES:
 1. UPFLOW FURNACE SELECTIONS ARE BASED ON TRANE SERIES S9X1 (95% HIGH EFFICIENCY) GAS-FIRED SEALED COMBUSTION FURNACES WITH MATCHING CASED EVAPORATOR COILS.
 2. COOLING CAPACITIES ARE BASED ON ARI CONDITIONS.
 3. FAN SPEED INDICATED IS FOR BOTH COOLING AND HEATING.
 4. SCHEDULED BLOWER EXTERNAL STATIC PRESSURE INCLUDES EVAPORATOR COIL AND CLEAN FILTER PRESSURE DROPS.

CONDENSING UNIT SCHEDULE

MARK	MATCH W/ UNIT NUM.	TMBH/SMBH	COMPRESSOR (EACH)		CONDENSER FANS (EACH)			COIL		SEER	ELECTRICAL		MODEL NUMBER	
			NO.	RLA	NO.	HP	FLA	AMBIENT	SQ. FT.		ROWS	MCA		VOLTAGE
CU-1	FUR-1	59.1/41.8	1	15.9	1	1/5	1.05	100°	---	---	14.0	21.0	208/230/30	4TTA4060A3
CU-2a	FUR-2a	42.4/31.4	1	11.2	1	1/5	1.05	100°	---	---	14.0	15.0	208/230/30	4TTA4042A3
CU-2b	FUR-2b	42.4/31.4	1	11.2	1	1/5	1.05	100°	---	---	14.0	15.0	208/230/30	4TTA4042A3
CU-3	FUR-3	59.1/41.8	1	15.9	1	1/5	1.05	100°	---	---	14.0	21.0	208/230/30	4TTA4060A3

- NOTES:
 1. SELECTIONS ARE BASED ON TRANE MODEL 4TTA AIR-COOLED CONDENSING UNITS.
 2. COOLING CAPACITIES ARE BASED ON ARI CONDITIONS.
 3. REFRIGERANT PIPING SHALL BE SIZED FOR LENGTH AND CONFIGURATION BY UNIT MANUFACTURER.
 4. PROVIDE ALL CONDENSING UNITS WITH HAIL GUARDS.



EXPIRES: 04-30-2021
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2020
 24-7 TRAVEL STORE
 247 Commerce Rd.
 2710 Commerce Rd.
 Goodland, Kansas

24/7 TRAVEL STORE

DRAWINGS ISSUED		
NO.	DATE	ITEM ISSUED
12	9/09/20	ADDENDUM NO. 1
11	9/01/20	FOR BIDS
10	8/24/20	CHECK SET
9	1/21/20	REVISED PLAN
8	3/20/20	FOR BIDS
7	3/13/20	CHECK SET
6	2/28/20	CHECK SET
5	2/21/20	CHECK SET
4	2/13/20	CHECK SET
3	2/6/20	CHECK SET
2	1/30/20	CHECK SET
1	1/2/20	START CD'S

COMPUTER DRAWING

DATE: SEPTEMBER 2020
 DRAWN BY: SMB / BJS
 CHECKED BY: BJS

SHEET
 MP1.1
 OF 1 SHEETS

