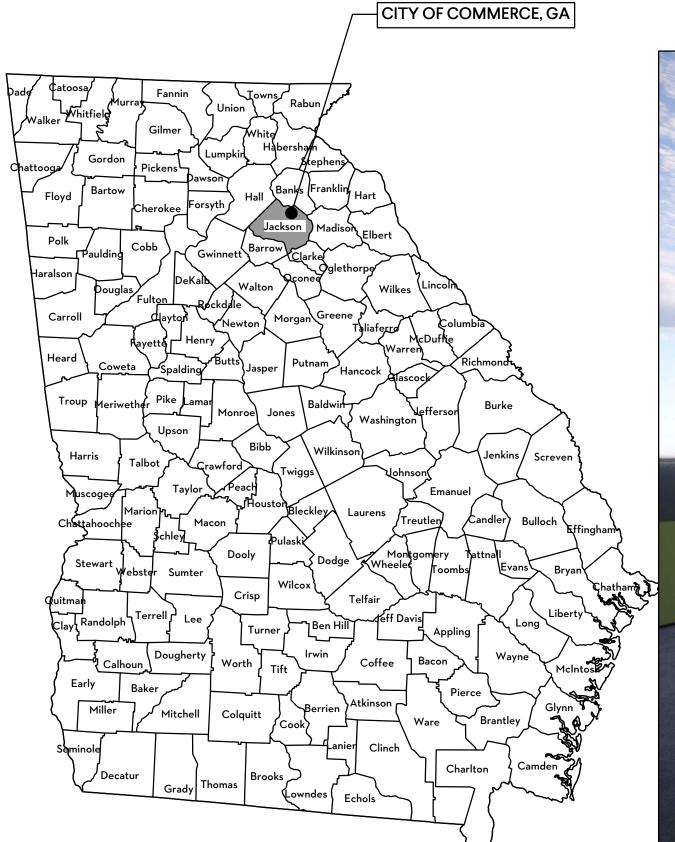
GROVE CREEK WPCP



CITY OF COMMERCE, GA GMC PROJECT # CATL230033 CITY OF COMMERCE, GA



LOCATION MAP



MARCH 2025

BID SET

Georgia One-Call Center 1-800-282-7411 Call at Least Two Working Days Before You Dig It's The Law

CLIENT PROJECT TEAM

DR. J. CLARK HILL, III MAYOR MAYOR PRO-TEM **KEITH BURCHETT MATTHEW HAILEY** CITY MANAGER

WATER & SEWER SUPERINTENDENT **JOSH ALLISON TADD EDMONDSON** WASTEWATER SUPERINTENDENT

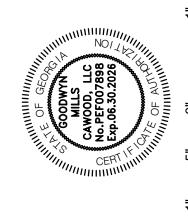
DESIGN PROJECT TEAM

DAY STRUCTURES

GOODWYN MILLS CAWOOD, LLC CIVIL, PROCESS, ARCHITECTURAL ELECTRICAL, MECHANICAL, PLUMBING BFIELD ENGINEERING STRUCTURAL

ACCORDANCE WITH THE RULES OF THE GEORGIA STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS. I FURTHER CERTIFY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THESE PLANS AND SPECIFICATION WERE PREPARED IN

I CERTIFY THAT I HAVE BEEN IN RESPONSIBLE CHARGE OF THE DESIGN OF THIS PROJECT IN ACCORDANCE WITH CURRENT STANDARD ENGINEERING PRACTICES AND ACCURATELY REFLECT THE DESIGN DEVELOPMENT REPORT (DDR) PREVIOUSLY REVIEWED AND CONCURRED IN BY EPD. I FURTHER CERTIFY THAT THE SYSTEM AS DESIGNED CAN REASONABLY BE EXPECTED TO CONSISTENTLY MEET ALL CURRENTLY APPLICABLE PERMIT LIMITS, CONDITIONS, AND REGULATORY REQUIREMENTS, PROVIDED THE FACILITY IS CONSTRUCTED AS DESIGNED AND PROPERLY OPERATED AND MAINTAINED.



30% Submittal	05.30.2024
60% Submittal	08.29.2024
90% Submittal	11.27.2024
Bid Set	03.19.2025
Project Manager:	CW
Engineer:	GS
Designer:	GS
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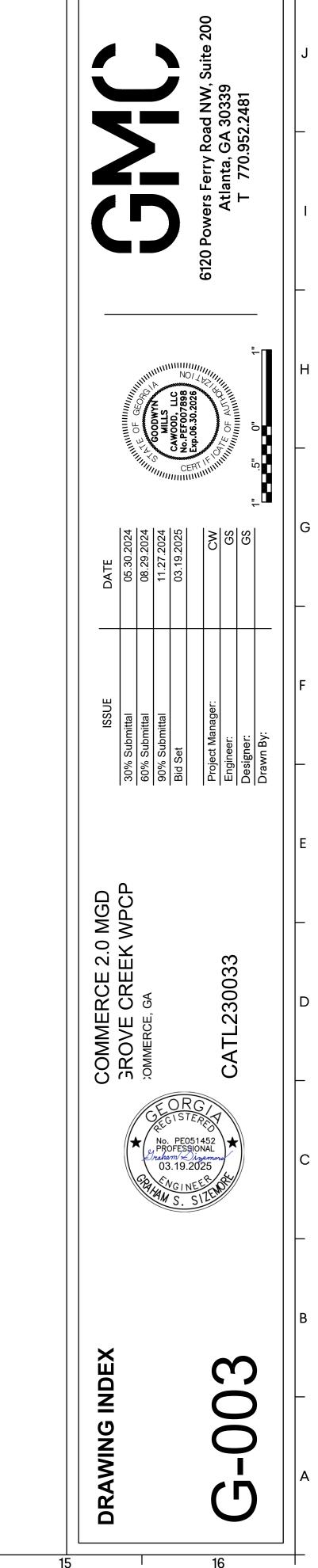
CATL230033



T#		C-104	CIVIL SITE PLAN - ENLARGED GEOMETRIC CONTROLS	CU-614	COMPREHENSIVE MONITORING PROGRAM GENERAL NOTES	A-106	ADMINISTRATION & LAB BUILDING - INTERIOR ELEVATIONS
	SHEET TITLE	C-201	CIVIL SITE PLAN - SITE LAYOUT	CU-615	WATERSHED MAP, DRAINAGE AREA & MONITORING LOCATIONS	A-107	ADMINISTRATION & LAB BUILDING - INTERIOR ELEVATIONS
01	TITLE SHEET	C-202	CIVIL SITE PLAN ALIGNMENT PLAN	CU-616	SOILS MAP	A-108	ADMINISTRATION & LAB BUILDING - WALL SECTIONS
002	DRAWING INDEX	C-203	CIVIL SITE PLAN - GRADING & DRAINAGE	CU-617	SOILS MAP	A-109	ADMINISTRATION & LAB BUILDING - WALL SECTIONS
003	DRAWING INDEX	C-204	PIPE AND STRUCTURE TABLE	CU-618	FEMA FLOODPLAIN MAP	A-110	ADMINISTRATION & LAB BUILDING - SCHEDULES
004	ABBREVIATIONS	C-301	CIVIL SITE PLAN - YARD PIPING	CU-619	FEMA FLOODPLAIN MAP	A-111	ADMINISTRATION & LAB BUILDING - DETAILS
-005	GENERAL NOTES, LEGENDS, & SYMBOLS	C-302	CIVIL SITE PLAN - ENLARGED YARD PIPING	CU-901	STANDARD DETAILS	A-711	BLOWER BUILDING - FLOOR & ROOF PLAN
-006	PROCESS FLOW DIAGRAM	C-303	CIVIL SITE PLAN - ENLARGED YARD PIPING	CU-902	STANDARD DETAILS	A-712	BLOWER BUILDING - ELEVATION
-007	HYDRAULIC PROFILE (1 OF 2)	C-304	CIVIL SITE PLAN - ENLARGED YARD PIPING	CU-903	STANDARD DETAILS	A-713	BLOWER BUILDING - SECTIONS
-008	HYDRAULIC PROFILE (2 OF 2)	C-601	CIVIL SITE PLAN - PHASE I - EROSION & SEDIMENT CONTROL PLAN	CU-904	STANDARD DETAILS	A-714	BLOWER BUILDING - SCHEDULES
-009	PROCESS PIPING SCHEDULE	C-602	CIVIL SITE PLAN - PHASE II - EROSION & SEDIMENT CONTROL PLAN	STRUCT		A-715	BLOWER BUILDING - DETAILS
	PROCESS DESIGN CRITERIA	C-603	CIVIL SITE PLAN - PHASE III - EROSION & SEDIMENT CONTROL PLAN	SHT#	SHEET TITLE	A-721	DEWATERING BUILDING - PLAN
	ENTATION	C-604	CIVIL SITE PLAN - PHASE IV - EROSION & SEDIMENT CONTROL PLAN	S-001	STRUCTURAL NOTES & TYPICAL DETAILS	A-722	DEWATERING BUILDING - ROOF PLAN
HT #	SHEET TITLE	C-605	EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST	S-002	TYPICAL DETAILS	A-723	DEWATERING BUILDING - ELEVATION
	P&ID ABBREVIATIONS & NOTES	C-606	ES & PC STANDARD DETAILS	S-002	TYPICAL DETAILS	A-724	DEWATERING BUILDING - WALL SECTIONS
	P&ID LEGENDS	C-607	ES & PC STANDARD DETAILS	S-003	SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS	A-725	DEWATERING BUILDING - WALL SECTIONS
002 101	P&ID - INFLUENT PUMP STATION			S-101	ADMINISTRATION & LAB BUILDING FOUNDATION PLAN	A-725 A-726	DEWATERING BUILDING - SECTIONS
		C-608	ES & PC STANDARD DETAILS				
	P&ID - INFLUENT SCREENS	C-609	ES & PC STANDARD DETAILS	S-102	ADMINISTRATION & LAB BUILDING ROOF FRAMING PLAN	A-727	DEWATERING BUILDING - SCHEDULES
103	P&ID - GRIT REMOVAL	C-610	ES & PC STANDARD DETAILS	S-103	ADMINISTRATION & LAB BUILDING - SECTIONS	A-728	DEWATERING BUILDING - DETAILS
211	P&ID - EQUALIZATION BASIN	C-611	ES & PC STANDARD DETAILS	S-104	ADMINISTRATION & LAB BUILDING - SECTIONS	PLUMBING	
	P&ID - FLOW CONTROL VALVE VAULT	C-612	ES & PC STANDARD DETAILS	S-105	GENERATOR & ELECTRICAL BUILDING FOUNDATION - PLANS & SECTION	SHT#	SHEET TITLE
	P&ID - AERATION BASIN	C-613	ES & PC STANDARD DETAILS	S-111	HEADWORKS PLAN	P-001	GENERAL
	P&ID - CLARIFIERS	C-614	ES & PC STANDARD DETAILS	S-112	HEADWORKS - SECTIONS	P-002	SCHEDULES
102	P&ID - RAS/WAS PUMP STATION	C-615	COMPREHENSIVE MONITORING PROGRAM GENERAL NOTES	S-113	HEADWORKS - SECTIONS	P-003	DETAILS
501	P&ID - FILTERS	C-616	WATERSHED MAP, DRAINAGE AREA & MONITORING LOCATIONS	S-301	ORBAL AERATION - LOWER PLAN	P-004	RISER DIAGRAMS
601	P&ID - UV DISINFECTION	C-617	SOILS MAP	S-302	ORBAL AERATION - UPPER PLAN	P-101	ADMIN BUILDING FLOOR PLAN - WASTE & VENT
602	P&ID - PLANT REUSE WATER PUMP STATION & POST AERATION	C-618	SOILS MAP	S-303	ORBAL AERATION - TROLLEY FRAME PLAN	P-102	ADMIN BUILDING FLOOR PLAN - WATER
701	P&ID - AEROBIC DIGESTER	C-619	FEMA FLOODPLAIN MAP	S-304	ORBAL AERATION - ENLARGED PLANS	P-103	DEWATERING BUILDING FLOOR PLAN - WASTE & VENT
702	P&ID - DIGESTER BLOWERS	C-620	FEMA FLOODPLAIN MAP	S-305	ORBAL AERATION - ENLARGED PLANS	P-104	DEWATERING BUILDING FLOOR PLAN - WATER
711	P&ID - BELT FILTER PRESS	C-904	CIVIL - CIVIL SITE DETAILS	S-306	ORBAL AERATION - SECTIONS	MECHANI	CAL
301	P&ID - YARD DRAIN PUMP STATION	C-905	CIVIL - CIVIL SITE DETAILS	S-307	ORBAL AERATION - SECTIONS	SHT#	SHEET TITLE
302	P&ID - CHEMICAL FEED - CAUSTIC SODA	C-906	CIVIL - CIVIL SITE DETAILS	S-308	ORBAL AERATION - SECTIONS	M-001	GENERAL
303	P&ID - CHEMICAL FEED - POLYALUMINUM CHLORIDE	C-907	CIVIL - CIVIL SITE DETAILS	S-309	ORBAL AERATION - SECTIONS	M-002	DETAILS
304	P&ID - CHEMICAL FEED - POLYMER	C-908	CIVIL - CIVIL SITE DETAILS	S-310	ORBAL AERATION - SECTIONS	M-003	SCHEDULES
901	INSTRUMENTATION DETAILS		CIVIL - CIVIL SITE DETAILS	S-311	ORBAL AERATION - TROLLEY ELEVATIONS	M-004	SCHEDULES
902	INSTRUMENTATION DETAILS	C-910	CIVIL - CIVIL SITE DETAILS	S-401	CLARIFIERS & SPLITTER BOX - UPPER PLAN	M-101	ADMIN BUILDING FLOOR PLAN
	INSTRUMENTATION SCHEDULE		CIVIL - CIVIL SITE DETAILS	S-402	CLARIFIERS - SECTIONS	M-102	DEWATERING BUILDING FLOOR PLAN
	INSTRUMENTATION SCHEDULE	C-912	CIVIL - CIVIL SITE DETAILS	S-403	CLARIFIERS & SPLITTER BOX - SECTIONS	M-103	CHEMICAL FEED FLOOR PLAN
EMOLITIC			CIVIL - CIVIL SITE DETAILS	S-501	TERTIARY FILTERS - PLANS	M-104	BLOWER BUILDING FLOOR PLAN
	SHEET TITLE		CIVIL - CIVIL SITE DETAILS	S-502	TERTIARY FILTERS - SECTIONS	PROCESS	
	CIVIL SITE PLAN - INFLUENT PUMP STATION DEMOLITION	CIVIL UTI		S-503	TERTIARY FILTERS - SECTIONS	SHT#	SHEET TITLE
101	OIVIE ONE 1 EXIV IIVI ECENT I OWN ON THOR DEMOCIMON	JOIVIL OTT	SHEET TITLE	S-601	ULTRAVIOLET DISINFECTION - PLAN & SECTION		PROCESS KEY SITE PLAN
FOTECHI	INICAL	SHT#	OHEET THEE	0-001	OETTAVIOLET BIGINT ECTION - LEAN & GEOTION	I D_001	
EOTECHI		SHT #	CIVIL SITE DI ANI INELLIENT DI IMPISTATIONI CRADINIC DI ANI		DI ANT DELICE WATER DI IMP STATION & DOST AERATION IL OWER DI ANI	D-001	
HT#	SHEET TITLE	CU-201	CIVIL SITE PLAN - INFLUENT & FEEL LIENT FORCE MAIN KEY	S-611	PLANT REUSE WATER PUMP STATION & POST AERATION - LIPPER PLAN	D-101	INFLUENT PUMP STATION - PLAN
HT #	SHEET TITLE BORING PLAN	CU-201 CU-311	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY	S-611 S-612	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN	D-101 D-102	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS
HT # .000	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00	S-611 S-612 S-613	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS	D-101 D-102 D-111	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION
HT # -000 -001 -002	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00	S-611 S-612 S-613 S-614	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS	D-101 D-102 D-111 D-121	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN
HT # -000 -001 -002 -003	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION CIVIL SITE PLAN GEOTECHNICAL EXPLORATION CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00	S-611 S-612 S-613 S-614 S-701	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN	D-101 D-102 D-111 D-121 D-122	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN
HT # .000 .001 .002 .003 .004	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00	S-611 S-612 S-613 S-614 S-701 S-702	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION	D-101 D-102 D-111 D-121 D-122 D-123	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS
-000 -001 -002 -003 -004 -005	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00	S-611 S-612 S-613 S-614 S-701 S-702 S-711	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS	D-101 D-102 D-111 D-121 D-122 D-123 D-124	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS
-000 -001 -002 -003 -004 -005	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - SECTIONS	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS HEADWORKS - SECTIONS
-000 -001 -002 -003 -004 -005	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00	S-611 S-612 S-613 S-614 S-701 S-702 S-711	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS
-000 -001 -002 -003 -004 -005	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - SECTIONS	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION
HT # -000 -001 -002 -003 -004 -005 -006	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317 CU-318	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 44+00 TO 53+00	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712 S-721	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - SECTIONS DEWATERIING BUILDING - FOUNDATION PLAN	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211 D-301	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION ORBAL AERATION - LOWER PLAN
-HT # -000 -001 -002 -003 -004 -005 -006 -007	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317 CU-318 CU-319	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 44+00 TO 53+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 53+00 TO 63+50	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712 S-721 S-722	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - SECTIONS DEWATERIING BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - ROOF FRAMING PLAN	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION ORBAL AERATION - LOWER PLAN ORBAL AERATION - UPPER PLAN
HT # -000 -001 -002 -003 -004 -005 -006 -007 -008	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317 CU-318 CU-319 CU-320	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 44+00 TO 53+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 53+00 TO 63+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 63+50 TO 74+50	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712 S-721 S-722 S-723	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - SECTIONS DEWATERIING BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - ROOF FRAMING PLAN DEWATERIING BUILDING - SECTIONS	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211 D-301	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION ORBAL AERATION - LOWER PLAN
HT # -000 -001 -002 -003 -004 -005 -006 -007 -008 -009 -010 -011	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317 CU-318 CU-319 CU-320 CU-321	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 44+00 TO 53+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 53+00 TO 63+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 63+50 TO 74+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 85+50	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712 S-721 S-722 S-723 S-724	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - SECTIONS DEWATERIING BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - ROOF FRAMING PLAN DEWATERIING BUILDING - SECTIONS DEWATERIING BUILDING - SECTIONS	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211 D-301 D-302	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION ORBAL AERATION - LOWER PLAN ORBAL AERATION - UPPER PLAN
HT # -000 -001 -002 -003 -004 -005 -006 -007 -008 -009 -010 -011	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317 CU-318 CU-319 CU-320 CU-321 CU-322	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 44+00 TO 53+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 53+00 TO 63+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 63+50 TO 74+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 85+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 85+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 85+50 TO 96+50	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712 S-721 S-722 S-723 S-724 S-801	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - SECTIONS DEWATERIING BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - ROOF FRAMING PLAN DEWATERIING BUILDING - SECTIONS DEWATERIING BUILDING - SECTIONS CHEMICAL TANK FARM - PLAN & SECTION CHEMICAL TANK FARM - SECTIONS	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211 D-301 D-302 D-303	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION ORBAL AERATION - LOWER PLAN ORBAL AERATION - UPPER PLAN ORBAL AERATION - CENTER ISLAND PLAN & SECTIONS
HT # .000 .001 .002 .003 .004 .005 .006 .007 .008 .009 .010 .011	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317 CU-318 CU-319 CU-320 CU-321 CU-322 CU-323	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 44+00 TO 53+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 53+00 TO 63+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 63+50 TO 74+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 85+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 85+50 TO 96+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 85+50 TO 96+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 96+50 TO 107+00	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712 S-721 S-722 S-723 S-724 S-801 S-802	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - SECTIONS DEWATERIING BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - ROOF FRAMING PLAN DEWATERIING BUILDING - SECTIONS DEWATERIING BUILDING - SECTIONS CHEMICAL TANK FARM - PLAN & SECTION CHEMICAL TANK FARM - SECTIONS	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211 D-301 D-302 D-303 D-304	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION ORBAL AERATION - LOWER PLAN ORBAL AERATION - UPPER PLAN ORBAL AERATION - CENTER ISLAND PLAN & SECTIONS ORBAL AERATION - INFLUENT PIPING PLAN & SECTIONS
HT # .000 .001 .002 .003 .004 .005 .006 .007 .008 .009 .010 .011 .012 .013	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317 CU-318 CU-319 CU-320 CU-321 CU-322 CU-323 CU-324	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 44+00 TO 53+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 53+00 TO 63+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 63+50 TO 74+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 85+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 85+50 TO 96+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 107+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 96+50 TO 110+00	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712 S-721 S-722 S-723 S-724 S-801 S-802 ARCHITE	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - PLANS DEWATERIING BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - ROOF FRAMING PLAN DEWATERIING BUILDING - SECTIONS DEWATERIING BUILDING - SECTIONS CHEMICAL TANK FARM - PLAN & SECTION CHEMICAL TANK FARM - SECTIONS	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211 D-301 D-302 D-303 D-304 D-305	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION ORBAL AERATION - LOWER PLAN ORBAL AERATION - UPPER PLAN ORBAL AERATION - CENTER ISLAND PLAN & SECTIONS ORBAL AERATION - INFLUENT PIPING PLAN & SECTIONS ORBAL AERATION - EFFLUENT PIPING PLAN & SECTIONS
HT# -000 -001 -002 -003 -004 -005 -006 -007 -008 -009 -010 -011 -012 -013 -014	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317 CU-318 CU-319 CU-320 CU-321 CU-322 CU-323 CU-323 CU-324 CU-325	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 44+00 TO 53+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 53+00 TO 63+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 63+50 TO 74+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 85+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 85+50 TO 96+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 96+50 TO 107+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712 S-721 S-722 S-723 S-724 S-801 S-802 ARCHITE SHT#	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - PLANS DEWATERIING BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - ROOF FRAMING PLAN DEWATERIING BUILDING - SECTIONS DEWATERIING BUILDING - SECTIONS CHEMICAL TANK FARM - PLAN & SECTION CHEMICAL TANK FARM - SECTIONS CTURAL SHEET TITLE	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211 D-301 D-302 D-303 D-304 D-305 D-306	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION ORBAL AERATION - LOWER PLAN ORBAL AERATION - UPPER PLAN ORBAL AERATION - CENTER ISLAND PLAN & SECTIONS ORBAL AERATION - INFLUENT PIPING PLAN & SECTIONS ORBAL AERATION - EFFLUENT PIPING PLAN & SECTIONS ORBAL AERATION - RETURN SLUDGE PLAN & SECTIONS
HT# -000 -001 -002 -003 -004 -005 -006 -007 -008 -009 -010 -011 -012 -013 -014 -015	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317 CU-318 CU-319 CU-320 CU-321 CU-322 CU-323 CU-324 CU-325 CU-401	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 44+00 TO 53+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 53+00 TO 63+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 63+50 TO 74+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 85+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 96+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 96+50 TO 107+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 114+21 TO HARDEN BRIDGE RD. WATER MAIN LAYOUT (HAGGARD RD.) STA. 0+00 TO 27+10	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712 S-721 S-722 S-723 S-724 S-801 S-802 ARCHITE SHT # A-001	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - PLANS BLOWERS BUILDING - SECTIONS DEWATERIING BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - ROOF FRAMING PLAN DEWATERIING BUILDING - SECTIONS CHEMICAL TANK FARM - PLAN & SECTION CHEMICAL TANK FARM - SECTIONS CTURAL SHEET TITLE ARCHITECTURAL KEY PLAN	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211 D-301 D-302 D-303 D-304 D-305 D-306 D-307	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION ORBAL AERATION - LOWER PLAN ORBAL AERATION - UPPER PLAN ORBAL AERATION - CENTER ISLAND PLAN & SECTIONS ORBAL AERATION - INFLUENT PIPING PLAN & SECTIONS ORBAL AERATION - RETURN SLUDGE PLAN & SECTIONS ORBAL AERATION - RETURN SLUDGE PLAN & SECTIONS AERATION BASIN - DRIVE PLAN & SECTIONS
HT# -000 -001 -002 -003 -004 -005 -006 -007 -008 -009 -010 -011 -012 -013 -014 -015 -016	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317 CU-318 CU-319 CU-320 CU-321 CU-322 CU-323 CU-324 CU-325 CU-401 CU-605 CU-606	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 44+00 TO 53+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 53+00 TO 63+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 63+50 TO 74+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 85+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 85+50 TO 96+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 96+50 TO 107+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 114+21 TO HARDEN BRIDGE RD. WATER MAIN LAYOUT (HAGGARD RD.) STA. 0+00 TO 27+10 EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712 S-721 S-722 S-723 S-724 S-801 S-802 ARCHITE SHT # A-001 A-002	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - SECTIONS DEWATERIING BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - SECTIONS DEWATERIING BUILDING - SECTIONS DEWATERIING BUILDING - SECTIONS CHEMICAL TANK FARM - PLAN & SECTION CHEMICAL TANK FARM - SECTIONS CTURAL SHEET TITLE ARCHITECTURAL KEY PLAN DEWATERING LIFE SAFETY PLAN	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211 D-301 D-302 D-303 D-304 D-305 D-306 D-307 D-308 D-401	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION ORBAL AERATION - LOWER PLAN ORBAL AERATION - UPPER PLAN ORBAL AERATION - CENTER ISLAND PLAN & SECTIONS ORBAL AERATION - INFLUENT PIPING PLAN & SECTIONS ORBAL AERATION - EFFLUENT PIPING PLAN & SECTIONS ORBAL AERATION - RETURN SLUDGE PLAN & SECTIONS ORBAL AERATION - RETURN SLUDGE PLAN & SECTIONS ORBAL AERATION BASIN - DRIVE PLAN & SECTIONS ORBAL AERATION SECTIONS
HT# -000 -001 -002 -003 -004 -005 -006 -007 -008 -009 -010 -011 -012 -013 -014 -015 -016 -017	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317 CU-318 CU-319 CU-320 CU-321 CU-322 CU-323 CU-324 CU-325 CU-401 CU-605 CU-606	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 44+00 TO 53+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 53+00 TO 63+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 63+50 TO 74+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 85+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 85+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 96+50 TO 107+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 114+21 TO HARDEN BRIDGE RD. WATER MAIN LAYOUT (HAGGARD RD.) STA. 0+00 TO 27+10 EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST ES & PC GENERAL NOTES, LEGENDS & SCHEDULE ES & PC STANDARD DETAILS	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712 S-721 S-722 S-723 S-724 S-801 S-802 ARCHITE SHT # A-001 A-002 A-003 A-004	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - SECTIONS DEWATERIING BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - ROOF FRAMING PLAN DEWATERIING BUILDING - SECTIONS CHEMICAL TANK FARM - PLAN & SECTION CHEMICAL TANK FARM - SECTIONS CTURAL SHEET TITLE ARCHITECTURAL KEY PLAN DEWATERING LIFE SAFETY PLAN ADMINISTRATION & LAB BUILDING LIFE SAFETY PLAN BLOWER BUILDING - LIFE SAFETY PLAN	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211 D-301 D-302 D-303 D-304 D-305 D-306 D-307 D-308 D-401	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION ORBAL AERATION - LOWER PLAN ORBAL AERATION - UPPER PLAN ORBAL AERATION - UPPER PLAN ORBAL AERATION - INFLUENT PIPING PLAN & SECTIONS ORBAL AERATION - RETURN SLUDGE PLAN & SECTIONS ORBAL AERATION - DRIVE PLAN & SECTIONS ORBAL AERATION SECTIONS ORBAL AERATION SECTIONS ORBAL AERATION SECTIONS
HT# -000 -001 -002 -003 -004 -005 -006 -007 -008 -009 -010 -011 -012 -013 -014 -015 -016 -017 IVIL HT#	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317 CU-318 CU-319 CU-320 CU-321 CU-322 CU-323 CU-324 CU-325 CU-401 CU-605 CU-606 CU-607 CU-608	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 53+00 TO 63+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 63+50 TO 74+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 85+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 85+50 TO 96+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 96+50 TO 107+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 114+21 TO HARDEN BRIDGE RD. WATER MAIN LAYOUT (HAGGARD RD.) STA. 0+00 TO 27+10 EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST ES & PC GENERAL NOTES, LEGENDS & SCHEDULE ES & PC STANDARD DETAILS	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712 S-721 S-722 S-723 S-724 S-801 S-802 ARCHITE SHT # A-001 A-002 A-003 A-004 A-101	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - POLANS BLOWERS BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - SECTIONS DEWATERIING BUILDING - SECTIONS CHEMICAL TANK FARM - PLAN & SECTION CHEMICAL TANK FARM - SECTIONS CTURAL SHEET TITLE ARCHITECTURAL KEY PLAN DEWATERING LIFE SAFETY PLAN ADMINISTRATION & LAB BUILDING - FLOOR PLAN	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211 D-301 D-302 D-303 D-304 D-305 D-306 D-307 D-308 D-401	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION ORBAL AERATION - LOWER PLAN ORBAL AERATION - UPPER PLAN ORBAL AERATION - UPPER PLAN ORBAL AERATION - INFLUENT PIPING PLAN & SECTIONS ORBAL AERATION - RETURN SLUDGE PLAN & SECTIONS ORBAL AERATION - DRIVE PLAN & SECTIONS ORBAL AERATION SECTIONS ORBAL AERATION SECTIONS ORBAL AERATION SECTIONS
HT# -000 -001 -002 -003 -004 -005 -006 -007 -008 -009 -010 -011 -012 -013 -014 -015 -016 -017	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317 CU-318 CU-319 CU-320 CU-321 CU-322 CU-323 CU-324 CU-325 CU-401 CU-605 CU-606 CU-607 CU-608 CU-609	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 44+00 TO 53+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 53+00 TO 63+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 63+50 TO 74+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 85+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 85+50 TO 96+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 96+50 TO 107+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 114+21 TO HARDEN BRIDGE RD. WATER MAIN LAYOUT (HAGGARD RD.) STA. 0+00 TO 27+10 EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST ES & PC GENERAL NOTES, LEGENDS & SCHEDULE ES & PC STANDARD DETAILS ES & PC STANDARD DETAILS ES & PC STANDARD DETAILS	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712 S-721 S-722 S-723 S-724 S-801 S-802 ARCHITE SHT # A-001 A-002 A-003 A-004 A-101 A-102	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - SECTIONS DEWATERIING BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - ROOF FRAMING PLAN DEWATERIING BUILDING - SECTIONS DEWATERIING BUILDING - SECTIONS CHEMICAL TANK FARM - PLAN & SECTION CHEMICAL TANK FARM - SECTIONS CTURAL SHEET TITLE ARCHITECTURAL KEY PLAN DEWATERING LIFE SAFETY PLAN ADMINISTRATION & LAB BUILDING - IFE SAFETY PLAN BLOWER BUILDING - LIFE SAFETY PLAN ADMINISTRATION & LAB BUILDING - FLOOR PLAN ADMINISTRATION & LAB BUILDING - DETAILED PLAN & REFLECTED CEILING PLAN	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211 D-301 D-302 D-303 D-304 D-305 D-306 D-307 D-308 D-401	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION ORBAL AERATION - LOWER PLAN ORBAL AERATION - UPPER PLAN ORBAL AERATION - UPPER PLAN ORBAL AERATION - INFLUENT PIPING PLAN & SECTIONS ORBAL AERATION - RETURN SLUDGE PLAN & SECTIONS ORBAL AERATION - DRIVE PLAN & SECTIONS ORBAL AERATION SECTIONS ORBAL AERATION SECTIONS ORBAL AERATION SECTIONS
	SHEET TITLE BORING PLAN CIVIL SITE PLAN GEOTECHNICAL EXPLORATION CIVIL SITE PLAN GEOTECHNICAL EXPLORATION	CU-201 CU-311 CU-312 CU-313 CU-314 CU-315 CU-316 CU-317 CU-318 CU-319 CU-320 CU-321 CU-322 CU-323 CU-324 CU-325 CU-401 CU-605 CU-606 CU-607 CU-608	CIVIL SITE PLAN - INFLUENT & EFFLUENT FORCE MAIN KEY CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 10+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 10+00 TO 19+00 CIVIL SITE PLAN - INFLUENT FORCE MAIN STATION 0+00 TO 11+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 11+00 TO 22+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 22+00 TO 33+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 33+00 TO 44+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 53+00 TO 63+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 63+50 TO 74+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 74+50 TO 85+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 85+50 TO 96+50 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 96+50 TO 107+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 95+50 TO 110+00 CIVIL SITE PLAN - EFFLUENT FORCE MAIN STATION 114+21 TO HARDEN BRIDGE RD. WATER MAIN LAYOUT (HAGGARD RD.) STA. 0+00 TO 27+10 EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST ES & PC GENERAL NOTES, LEGENDS & SCHEDULE ES & PC STANDARD DETAILS	S-611 S-612 S-613 S-614 S-701 S-702 S-711 S-712 S-721 S-722 S-723 S-724 S-801 S-802 ARCHITE SHT # A-001 A-002 A-003 A-004 A-101	PLANT REUSE WATER PUMP STATION & POST AERATION - UPPER PLAN PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS PLANT REUSE WATER PUMP STATION & POST AERATION - SECTIONS AEROBIC DIGESTERS - PLAN AEROBIC DIGESTERS - SECTION BLOWERS BUILDING - PLANS BLOWERS BUILDING - POLANS BLOWERS BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - FOUNDATION PLAN DEWATERIING BUILDING - SECTIONS DEWATERIING BUILDING - SECTIONS CHEMICAL TANK FARM - PLAN & SECTION CHEMICAL TANK FARM - SECTIONS CTURAL SHEET TITLE ARCHITECTURAL KEY PLAN DEWATERING LIFE SAFETY PLAN ADMINISTRATION & LAB BUILDING - FLOOR PLAN	D-101 D-102 D-111 D-121 D-122 D-123 D-124 D-125 D-201 D-211 D-301 D-302 D-303 D-304 D-305 D-306 D-307 D-308 D-401	INFLUENT PUMP STATION - PLAN INFLUENT PUMP STATION - SECTION & DETAILS INFLUENT FLOW METER VAULT - PLAN & SECTION HEADWORKS - LOWER PLAN HEADWORKS - UPPER PLAN HEADWORKS - SECTIONS HEADWORKS - SECTIONS EQUALIZATION BASIN - PLAN, SECTION, & DETAILS FLOW CONTROL VAULT - PLAN & SECTION ORBAL AERATION - LOWER PLAN ORBAL AERATION - UPPER PLAN ORBAL AERATION - UPPER PLAN ORBAL AERATION - INFLUENT PIPING PLAN & SECTIONS ORBAL AERATION - RETURN SLUDGE PLAN & SECTIONS ORBAL AERATION - DRIVE PLAN & SECTIONS ORBAL AERATION SECTIONS ORBAL AERATION SECTIONS ORBAL AERATION SECTIONS

COMMERCE 2.0 MGD SROVE CREEK WPCP COMMERCE, GA CATL230033 No. PE051452
PROFESSIONAL
Strakam Lingemore
03.19.2025 **DRAWING INDEX**

	ESS	E-114	HEADWORKS LIGHTNING PROTECTION PLAN
HT#	SHEET TITLE	E-115	DRUM SCREEN ELECTRICAL SCHEMATICS
-403	CLARIFIERS - INFLUENT DETAIL	E-116	GRIT REMOVAL ELECTRICAL SCHEMATICS
D-404	CLARIFIERS - EFFLUENT DETAIL	E-201	EQ BASIN & FLOW CONTROL VALVE ELECTRICAL PLANS
D-411	RAS WAS PUMP STATION - PLAN	E-202	EQ BASIN & FLOW CONTROL VALVE ELECTRICAL SCHEMATIC
D-412	RAS WAS PUMP STATION - SECTIONS	E-301	AERATION BASIN ELECTRICAL PLAN
D-501	TERTIARY FILTERS - LOWER PLAN & ENLARGED PLAN	E-302	AERATION BASIN ELECTRICAL SCHEMATIC
D-502	TERTIARY FILTERS - UPPER PLAN & ROOF PLAN	E-401	CLARIFIERS ELECTRICAL PLAN
D-503	TERTIARY FILTERS - SECTIONS	E-402	CLARIFIERS ELECTRICAL SCHEMATIC
D-504	TERTIARY FILTERS - SECTIONS	E-403	RAS/WAS PUMP STATION ELECTRICAL PLAN
D-601	ULTRAVIOLET DISINFECTION - PLANS & SECTIONS	E-404	RAS/WAS PUMP STATION ELECTRICAL SCHEMATIC
D-601 D-611	PLANT REUSE WATER PUMP STATION AND POST AERATION - LOWER PLAN	E-405	RAS/WAS PUMP STATION ELECTRICAL SCHEMATIC
D-612	PLANT REUSE WATER PUMP STATION AND POST AERATION - UPPER PLAN	E-501	FILTERS ELECTRICAL BOTTOM PLAN
D-613	PLANT REUSE WATER PUMP STATION AND POST AERATION - PIPING DETAIL P		FILTERS ELECTRICAL TOP PLAN
D-614	PLANT REUSE WATER PUMP STATION AND POST AERATION - SECTIONS	E-503	FILTERS ELECTRICAL SCHEMATIC
D-615	PLANT REUSE WATER PUMP STATION AND POST AERATION - SECTIONS	E-601	UV DISINFECTION ELECTRICAL PLAN
D-701	AEROBIC DIGESTER - PLAN & SECTION	E-602	UV DISINFECTION ELECTRICAL SCHEMATICS
D-702	AEROBIC DIGESTER - UPPER PLAN & SECTION	E-603	UV DISINFECTION ELECTRICAL SCHEMATICS
D-703	AEROBIC DIGESTER - PIPING PLAN & SECTION	E-604	PLANT REUSE PS & POST AERATION ELECTRICAL PLAN
D-704	AEROBIC DIGESTER - SECTIONS	E-605	PLANT REUSE PS ELECTRICAL SCHEMATIC
D-711	BLOWER BUILDING - PLAN & SECTIONS	E-606	POST AERATION ELECTRICAL SCHEMATIC
D-721	DEWATERING BUILDING - PLAN	E-701	DIGESTERS ELECTRICAL PLAN
D-722	DEWATERING BUILDING - SECTIONS	E-711	BLOWER BUILDING LIGHTING PLAN
D-723	DEWATERING BUILDING - SECTIONS	E-712	BLOWER BUILDING ELECTRICAL PLAN
D-724	DEWATERING BUILDING - SECTIONS	E-713	BLOWER BUILDING ELECTRICAL SCHEMATICS
D-801	YARD DRAIN PUMP STATION - PLANS	E-721	DEWATERING BUILDING LIGHTING PLAN
D-802	YARD DRAIN PUMP STATION - SECTIONS	E-722	DEWATERING BUILDING STORAGE ROOM ELECTRICAL PLAN
D-811	CHEMICAL TANK FARM - PLAN & SECTION	E-723	DEWATERING BUILDING DEWATERING ROOM ELECTRICAL PLAN
D-812	CHEMICAL TANK FARM - SECTIONS	E-724	DEWATERING BUILDING ELECTRICAL SCHEMATIC
D-901	PROCESS PIPING PIPE PENETRATION DETAILS	E-801	YARD DRAIN PUMP STATION ELECTRICAL PLAN
D-901 D-902	PROCESS PIPE SUPPORT DETAILS	E-802	CHEMICAL TANK FARM ELECTRICAL PLAN
D-903	PROCESS PIPE SUPPORT DETAILS	E-803	CHEMICAL TANK FARM ELECTRICAL SCHEMATIC
D-904	PROCESS PIPE STRUCTURAL ATTACHMENTS DETAILS (1 OF 2)	E-901	ADMIN BUILDING LIGHTING PLAN
D-905	PROCESS PIPE STRUCTURAL ATTACHMENTS DETAILS (2 OF 2)	E-902	ADMIN BUILDING ELECTRICLA PLAN
D-906	PROCESS DETAILS (1 OF 2)	E-903	ADMIN BUILDING ELECTRICAL SCHEMATIC
D-907	PROCESS DETAILS (2 OF 2)		
D-911	GATE SCHEDULE & DETAILS ATTACHMENTS		
D-921	VALVE SCHEDULE		
D-922	VALVE SCHEDULE		
ELECT	RICAL		
SHT#	SHEET TITLE		
E-001			
	ELECTRICAL NOTES & ABBREVIATIONS		
E-002	ELECTRICAL NOTES & ABBREVIATIONS ELECTRICAL SYMBOLS		
E-002 E-003			
	ELECTRICAL SYMBOLS		
E-003	ELECTRICAL SYMBOLS ELECTRICAL DETAILS		
E-003 E-004 E-005	ELECTRICAL SYMBOLS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS		
E-003 E-004 E-005 E-006	ELECTRICAL SYMBOLS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS		
E-003 E-004 E-005 E-006	ELECTRICAL SYMBOLS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS		
E-003 E-004 E-005 E-006 E-007	ELECTRICAL SYMBOLS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS INFLUENT PUMP STATION SINGLE LINE DIAGRAM		
E-003 E-004 E-005 E-006 E-007 E-008	ELECTRICAL SYMBOLS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS INFLUENT PUMP STATION SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM		
E-003 E-004 E-005 E-006 E-007 E-008 E-009 E-010	ELECTRICAL SYMBOLS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS INFLUENT PUMP STATION SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM (CONT.)		
E-003 E-004 E-005 E-006 E-007 E-008 E-009 E-010 E-011	ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS INFLUENT PUMP STATION SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM (CONT.) OVERALL ELECTRICAL SITE PLAN		
E-003 E-004 E-005 E-006 E-007 E-008 E-009 E-010	ELECTRICAL SYMBOLS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS INFLUENT PUMP STATION SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM (CONT.)		
E-003 E-004 E-005 E-006 E-007 E-008 E-009 E-010 E-011	ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS INFLUENT PUMP STATION SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM (CONT.) OVERALL ELECTRICAL SITE PLAN		
E-003 E-004 E-005 E-006 E-007 E-008 E-009 E-010 E-011 E-012	ELECTRICAL SYMBOLS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS INFLUENT PUMP STATION SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM (CONT.) OVERALL ELECTRICAL SITE PLAN INFLUENT PUMP STATION ELECTRICAL SITE PLAN		
E-003 E-004 E-005 E-006 E-007 E-008 E-009 E-010 E-011 E-012 E-013	ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS INFLUENT PUMP STATION SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM (CONT.) OVERALL ELECTRICAL SITE PLAN INFLUENT PUMP STATION ELECTRICAL SITE PLAN TREATMENT PLANT ELECTRICAL SITE PLAN		
E-003 E-004 E-005 E-006 E-007 E-008 E-009 E-010 E-011 E-012 E-013 E-014	ELECTRICAL SYMBOLS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS INFLUENT PUMP STATION SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM (CONT.) OVERALL ELECTRICAL SITE PLAN INFLUENT PUMP STATION ELECTRICAL SITE PLAN TREATMENT PLANT ELECTRICAL SITE PLAN ELECTRICAL DUCT BANK SCHEDULE		
E-003 E-004 E-005 E-006 E-007 E-008 E-009 E-010 E-011 E-012 E-013 E-014 E-015	ELECTRICAL SYMBOLS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS INFLUENT PUMP STATION SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM (CONT.) OVERALL ELECTRICAL SITE PLAN INFLUENT PUMP STATION ELECTRICAL SITE PLAN TREATMENT PLANT ELECTRICAL SITE PLAN ELECTRICAL DUCT BANK SCHEDULE ELECTRICAL ELEVATIONS		
E-003 E-004 E-005 E-006 E-007 E-008 E-009 E-010 E-011 E-012 E-013 E-014 E-015 E-016	ELECTRICAL SYMBOLS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS INFLUENT PUMP STATION SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM (CONT.) OVERALL ELECTRICAL SITE PLAN INFLUENT PUMP STATION ELECTRICAL SITE PLAN TREATMENT PLANT ELECTRICAL SITE PLAN ELECTRICAL DUCT BANK SCHEDULE ELECTRICAL ELEVATIONS ELECTRICAL PANEL SCHEDULES		
E-003 E-004 E-005 E-006 E-007 E-008 E-009 E-010 E-011 E-012 E-013 E-014 E-015 E-016 E-017	ELECTRICAL SYMBOLS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS INFLUENT PUMP STATION SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM (CONT.) OVERALL ELECTRICAL SITE PLAN INFLUENT PUMP STATION ELECTRICAL SITE PLAN TREATMENT PLANT ELECTRICAL SITE PLAN ELECTRICAL DUCT BANK SCHEDULE ELECTRICAL ELEVATIONS ELECTRICAL PANEL SCHEDULES ELECTRICAL PANEL SCHEDULES		
E-003 E-004 E-005 E-006 E-007 E-008 E-009 E-010 E-011 E-012 E-013 E-014 E-015 E-016 E-017 E-101 E-102	ELECTRICAL SYMBOLS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS INFLUENT PUMP STATION SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM (CONT.) OVERALL ELECTRICAL SITE PLAN INFLUENT PUMP STATION ELECTRICAL SITE PLAN TREATMENT PLANT ELECTRICAL SITE PLAN ELECTRICAL DUCT BANK SCHEDULE ELECTRICAL ELEVATIONS ELECTRICAL PANEL SCHEDULES ELECTRICAL PANEL SCHEDULES INFLUENT PUMP STATION ELECTRICAL PLAN		
E-003 E-004 E-005 E-006 E-007 E-008 E-009 E-010 E-011 E-012 E-013 E-014 E-015 E-016 E-017 E-101	ELECTRICAL SYMBOLS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS ELECTRICAL DETAILS POWER RISER DIAGRAMS INFLUENT PUMP STATION SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM TREATMENT PLANT SINGLE LINE DIAGRAM (CONT.) OVERALL ELECTRICAL SITE PLAN INFLUENT PUMP STATION ELECTRICAL SITE PLAN TREATMENT PLANT ELECTRICAL SITE PLAN ELECTRICAL DUCT BANK SCHEDULE ELECTRICAL ELEVATIONS ELECTRICAL PANEL SCHEDULES INFLUENT PUMP STATION ELECTRICAL PLAN INFLUENT PUMP STATION ELECTRICAL SCHEMATICS		



COM	ION ABBREVIATIONS										
А	AIR	DISTR	DISTRIBUTION	HP	HORSEPOWER	OD	OUTSIDE DIAMETER	RR	RAILROAD	VERT	VERTICAL
AB	ANCHOR BOLT	DL	DEAD LOAD	HR	HOUR	OF	OUTSIDE FACE OR OVERFLOW	RTN	RETURN	VP	VENT PIPE
AC	AIR CONDITIONING	DMJ	DUCTILE MECHANICAL JOINT	HS	HIGH STRENGTH	OPNG	OPENING	SALV	SALVAGE	VTR	VENT THROUGH ROOF
ACP	ASPHALTIC CONCRETE PAVING	DN	DOWN	HVAC	HEATING, VENTILATION, AIR CONDITIONING	OPP	OPPOSITE	SCFM	STANDARD CUBIC FEET PER MINUTE	W/	WITH
ADDL	ADDITIONAL	DWG	DRAWING	HW	HOT WATER	OPT	OPTIONAL	SCH	SCHEDULE	W/O	WITHOUT
ADDM	ADDENDUM	EA	EACH	HWL	HIGH WATER LEVEL	PC	POINT OF CURVE OF PORTLAND CEMENT	SCN	SCREENINGS	WC	WATER CLOSET
ADJ	ADJUSTABLE	ECC	ECCENTRIC	HWY	HIGHWAY	P&C	PIN AND CAP	SDR	STANDARD DIMENSION RATIO	wco	WALL CLEANOUT
AFF	ABOVE FINISHED FLOOR	EF	EACH FACE OR ELECTRICAL FAN	HYD	HYDRANT	PCO	PRESSURE CLEAN OUT	SECT	SECTION	WD	WIDTH OR WOOD
AFS	AIR FLOW SWITCH	EJ	EXPANSION JOINT	ID	INSIDE DIAMETER	PCP	PROGRESSIVE CAVITY PUMP	SHLDR	SHOULDER	WDW	WINDOW
AHU	AIR HANDLING UNIT	EL	ELEVATION	IF	INSIDE FACE	PCR	POINT OF CURVE RETURN	SHT	SHEET	WF	WIDE FLANGE
AL	ALUMINUM	ELEC	ELECTRICAL	INCL	INCLUDED	PE	PLAIN END	SIM	SIMILAR	WH	WALL HYDRANT
ALT	ALTERNATE	ENGR	ENGINEER	INCR	INCREASER	PERM	PERMANENT	SOTE	STANDARD OXYGEN TRANSFER EFFICIENCY	WL	WIND LOAD
APPROX	APPROXIMATE APCHITECT(UPAL)	EOA	EDGE OF ASPHALT	INF	INFLUENT	PERP	PERPENDICULAR	SP	SPACE (ING)	WP	WEIR PLATE
ARCH	ARCHITECT(URAL)	EOP	EDGE OF PAVEMENT	INSTL	INSTALLATION	PI	POINT OF INTERSECTION	SPEC	SPECIFICATION	WS	WETTED SURFACE
ARV	AMERICAN COCIETY MECHANICAL ENGINEERS	EQ	EQUAL	INSTR	INSTRUMENT	PL	PLATE OR PROPERTY LINE	SQ	SQUARE	WT	WEIGHT
ASME	AMERICAN SOCIETY MECHANICAL ENGINEERS	EQUIP	EQUIPMENT	INSUL	INSULATION	PLBG	PLUMBING	SQ FT	SQUARE FOOT	WWF	WELDED WIRE FABRIC
ASPH	ASSEMBLY	EQUIV	EQUIVALENT	INV	INVERT	PLYWD	PLYWOOD	SQ IN	SQUARE INCH	WWTP	WASTEWATER TREATMENT PLANT
ASSY	ASSEMBLY AMERICAN SOCIETY FOR TESTING AND MATERIALS	ESIVIT	ESTIMATE	INT INV EL	INTERIOR INVERT ELEVATION	PNT	PAINT POINT ON VERTICAL CURVE	SQ YD SRT	SQUARE YARD SOLIDS RETENTION TIME	X SECT	CROSS SECTION TRANSFORMER
ASTM ATM	ATMOSPHERE	EUH	ELECTRIC UNIT HEATER	ISA	INSTRUMENT SOCIETY OF AMERICA	POC	POLYETHYLENE	SST	STAINLESS STEEL	YCO	YARD CLEANOUT
ATS	AUTOMATIC TRANSFER SWITCH	EW	EACH WAY	JST	JOIST	PPM	PARTS PER MILLION		STAINLESS STEEL BOLT	YH	YARD HYDRANT
AUTO	AUTOMATIC	EWS	EQUIPMENT WATER STATION	JTS	JOINTS		PREFABRICATED	ST	STREET	111	TARDITIDICANT
AVS	AUTOMATIC VALVE STATION	EXP JT	EXPANSION JOINT	ко	KNOCKOUT		PREFINISHED	STA	STATION		
AWG	AMERICAN WIRE GAGE	EXST	EXISTING	KWY	KEYWAY		PRELIMINARY	STD	STANDARD		
BF	BELL END		EXISTING GRADE	1	LEFT OR LITER	PREP	PREPARATION	STL	STEEL		
BF	BOTTOM FACE	EXT	EXTERIOR	LAB	LABORATORY	PROJ	PROJECT		STEEL JOIST		
BFD	BUTTERFLY DAMPER	F/F	FACE TO FACE	LAV	LAVATORY	PROP	PROPERTY		STEEL PLATE		
BFV	BUTTERFLY VALVE	FA	FOUL AIR	LB(S)	POUND(S)	PRS	PRESSURE REDUCING STATION		STRUCTURAL		
BLDG	BUILDING	FAD	FOUL AIR DUCT	LEL	LOW EXPLOSIVE LIMIT	PRV	PRESS. REDUCING VALVE OR PRESS. RELIEF VALVE	SV	SOLENOID VALVE		
BLK	BLOCK	FCA	FLANGE COUPLING ADAPTER	LF	LINEAR FOOT	PS	PIPE SUPPORT	SVC	SERVICE		
BLM	BUREAU OF LAND MANAGEMENT	FCS	FLUSH CONTROL STATION	LL	LIVE LOAD OR LOOSE LINTEL	PSF	POUNDS PER SQUARE FOOT	SWD	SIDE WATER DEPTH		
ВМ	BENCH MARK	FD	FLOOR DRAIN	LOC	LOCATION	PSI	POUNDS PER SQUARE INCH	SYMM	SYMMETRICAL		
BOD	BIOCHEMICAL OXYGEN DEMAND	FDN	FOUNDATION	LP	LOW PRESSURE OR LIGHT POLE	PSIA	POUNDS PER SQUARE INCH ABSOLUTE	SYS	SYSTEM		
вот	ВОТТОМ	FES	FLARED END SECTION	LR	LONG RADIUS	PSIG	POUNDS PER SQUARE INCH GAGE	T&B	TOP AND BOTTOM		
BU	BELL UP	FF EL	FINISH FLOOR ELEVATION	LS	LICENSED SURVEYOR	PSV	PRESSURE SUSTAINING VALVE	T&G	TONGUE AND GROOVE		
BV	BALL VALVE	FH	FIRE HYDRANT	LT	LIGHT	PT	POINT OR POINT OF TANGENCY	T&P	TEMPERATURE AND PRESSURE		
C/C	CENTER TO CENTER	FIN	FINISH	LT WT	LIGHTWEIGHT	PV	PLUG VALVE	Т	TEE		
CCP	CONCRETE CYLINDER PIPE	FIN FL	FINISH FLOOR	LWL	LOW WATER LEVEL	PVC	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVE	ТВ	TOP OF BEAM		
ccw	COUNTER CLOCKWISE	FIN GR	FINISH GRADE	MAINT	MAINTENANCE	PVG	PAVING	ТВМ	TEMPORARY BENCH MARK		
CFM	CUBIC FEET PER MINUTE	FL	FLANGE	MAN	MANUAL	PVI	POINT OF VERTICAL CURVE INTERSECTION	TE	TOP ELEVATION		
CHKV	CHECK VALVE	FLR	FLOOR	MATL	MATERIAL	PVMT	PAVEMENT	TEMP	TEMPORARY		
CIP	CAST IRON PIPE	FPM	FEET PER MINUTE	MAX	MAXIMUM	Q AVG	AVERAGE DAILY FLOW	TFA	TO FLOOR ABOVE		
CISP	CAST IRON SOIL PIPE	FPS	FEET PER SECOND	MCC	MOTOR CONTROL CENTER	Q MAX	MAXIMUM DAILY FLOW	TFB	TO FLOOR BELOW		
CJ	CONSTRUCTION JOINT	FRP	FIBERGLASS REINFORCED PLASTIC	MECH	MECHANICAL	Q PEAK	PEAK HOUR FLOW	TFF	TOP OF FINISH FLOOW		
CL	CENTER LINE OR CHAIN LINK	FT	FEET	MED	MEDIUM	QTR	QUARTER	TH	TEST HOLE		
CLR	CLEAR	FTG	FOOTING OR FITTING	MFM	MAGNETIC FLOW METER	QTY	QUANTITY	THD	THREAD (ED)		
СМР	CORRUGATED METAL PIPE	G	GAS	MFR	MANUFACTURER	RAD	RADIUS	THK	THICK		
CMU	CONCRETE MASONRY UNIT	GA	GAUGE	MG	MILLION GALLONS OR MILLIGRAMS	RC	REINFORCED CONCRETE	TJ	TOP OF JOIST		
СО	CLEAN OUT	GAL	GALLON	MGD	MILLION GALLONS PER DAY	RCP	REINFORCED CONCRETE PIPE	TOA	TOP OF ASPHALT		
CONC	CONCRETE	GALV	GALVANIZED	MGMT	MANAGEMENT	RD	ROOF DRAIN	TOC	TOP OF CONCRETE OR TOP OF CURB		
CONN	CONNECTION	GND	GROUND	MH	MANHOLE	RECT	RECTANGULAR	TOE	THREADED ONE END		
CONSTR	CONSTRUCTION	GPD	GALLONS PER DAY	MIN	MINIMUM	RED	REDUCER	TOF	TOP OF FOOTING		
CONT	CONTINUOUS(ATION)	GPM	GALONS PER MINUTE	MISC	MISCELLANEOUS	RE:	REFER TO	TOS	TOP OF STEEL		
COR	CORNER	GR	GRIT	MJ	MECHANICAL JOINT	REF	REFERENCE	TOW	TOP OF WALL		
CPLG	COUPLING	GRC	GALVANIZED RIGID CONDUIT	MNPT	MALE NATIONAL PIPE THREAD	REHAB	REHABILITATION	IP	TOP OF PAVEMENT		
CPVC	CHLORINATED POLYVINYL CHLORIDE	GSP	GALVANIZED STEEL PIPE	MO	MASONRY OPENING	REINF	REINFORCE (D) (ING) (MENT)	TSL	TOTAL SUSPENDED SOURS		
CTR	CHECK VALVE	GV	GATE VALVE	MRGB	MOISTURE RESISTANT GYPSUM WALL BOARD	REQD	REQUIRED	TSS	TOTAL SUSPENDED SOLIDS	-	
CV	COLD WATER	GW	GROUNDWATER CYPSUM WALL BOARD	MTG	MOUNTING	RESIL	RESILIENT RESTRAINED ELANCED COURLING ADAPTER	TYP	TYPICAL LINEOPARIUS DINC CODE	-	
CW	CURIC YARDS	GWB	GYPSUM WALL BOARD	NA NIC	NOT APPLICABLE	RFCA	RESTRAINED FLANGED COUPLING ADAPTER	UBC	UNIFORM BUILDING CODE		
CY	CUBIC YARDS DEWATERED BIOSOLIDS	UP UP	GYPSUM HOSE BIRB	NIC	NOT IN CONTRACT	DIA.	RIGHT HAND	UGE	UNDERGROUND ELECTRIC ULTIMATE		
DEMO	DEWATERED BIOSOLIDS	HDWL	HOSE BIBB	NPL NPT	NAMEPLATE NATIONAL PIPE THREAD	RO	ROOM ROUGH OPENING	UN			
DEMO	DEMOLITION DIAMETER	HNDRL	HEADWALL HAND RAIL	NRS	NON-RISING STEM	RO	RIGHT OF WAY	UNGD	UNION UNDERGROUND	-	
DIM	DIMENSION	HNDWL		NTS	NON-RISING STEM NOT TO SCALE	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER	VB	VALVE BOX		
DIM	DUCTILE IRON PIPE		HORIZONTAL	OC	ON CENTER		REVOLUTIONS PER MINUTE	VCP	VITRIFIED CLAY PIPE	-	
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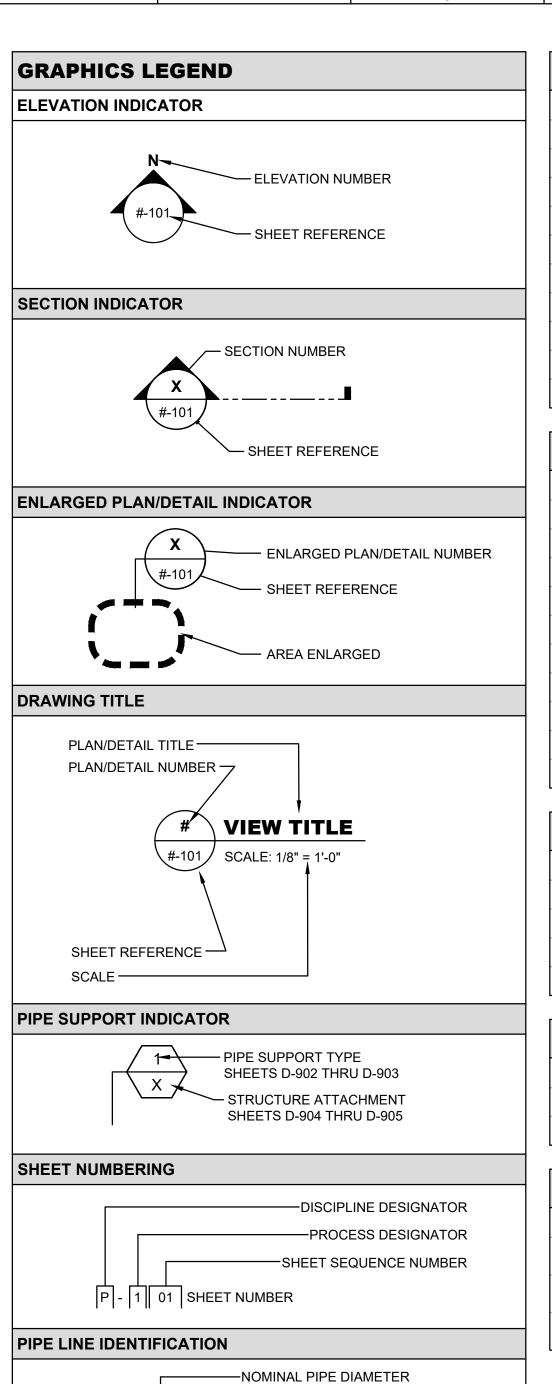
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က	30% Submittal	05.30.5
9	60% Submittal	08.29.2
0	90% Submittal	11.27.2
Ι Φ	Bid Set	03.19.2
<u> </u>	Project Manager:	
ΙШ	Engineer:	
ΙΟ	Designer:	

COMMERCE 2.0 MGD SROVE CREEK WPCP COMMERCE, GA CATL230033

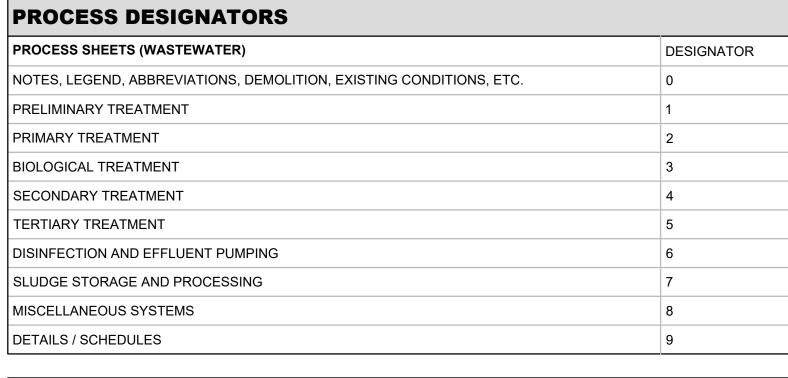
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PROFESSIONAL
Praham Singemore
03.19.2025

ABBREVIATIONS



—SERVICE ABBREVIATION

##" XX



CIVIL DESIGNATORS				
CIVIL	DESIGNATOR			
NOTES, LEGEND, ABBREVIATIONS, DEMOLITION, EXISTING CONDITIONS, ETC.	0			
SITE PLAN AND GEOMETRIC CONTROLS	1			
GRADING AND DRAINAGE	2			
UTILITIES/YARD PIPING	3			
ROAD PLAN AND PROFILES (IF REQUIRED)	4			
ROAD CROSS SECTIONS (IF REQUIRED)	5			
SEDIMENT AND EROSION CONTROL	6			
RESERVED	7			
RESERVED	8			
DETAILS / SCHEDULES	9			

OWNER						
DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS			
CITY MANAGER	MATTHEW HAILEY	706.423.5125	MHAILEY@COMMERCEGA.GOV			
WWTP SUPERINTENDENT	TAD EDMONSON	770.374.3288	TEDMONSON@COMMERCEGA.GOV			

CONTRACTOR						
DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS			
PROJECT MANAGER	TBD					
SUPERINTENDENT	TBD					

ENGINEER	ER					
DESCRIPTION	NAME	PHONE NUMBER	EMAIL ADDRESS			
PROJECT MANAGER	CHARLES WELCH	770.952.2481 EXT. 103	CHARLES.WELCH@GMCNETWO RK.COM			
ENGINEER	GRAHAM SIZEMORE, PE	770.952.2481 EXT. 143	GRAHAM.SIZEMORE@GMCNETW ORK.COM			
INSPECTOR	TONY VAN DE RYT	770.952.2481 EXT. 110	TONY.VANDERYT@GMCNETWOR K.COM			

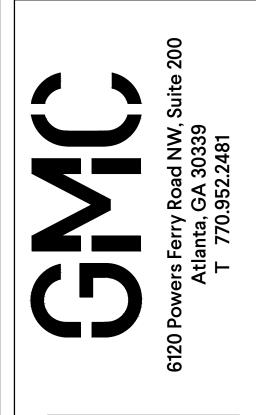
DESCRIPTION	SINGLE LINE	DOUBLE LINE
EXISTING BURIED PIPE		83
EXISTING ABOVE GRADE PIPE		
NEW BURIED PIPE		£3
NEW ABOVE GRADE PIPE		2
WELDED JOINT		
FLANGED JOINT		
FLANGED ADAPTOR		
FLANGED COUPLING		
MECHANICAL JOINT		
JOINT		
EXPANSION JOINT		

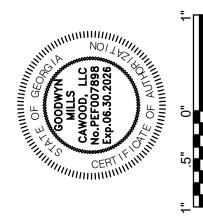
DESCRIPTION	EXISTING	PROPOSED
ASPHALT PAVING (PLAN)		
ALUMINUM GRATING		
CONCRETE (ELEVATION)		
CONCRETE (PLAN)		4
CONCRETE (SECTION)		
CRUSHED STONE (SECTION)		
EARTH OR BACKFILL (SECTION)		
GRAVEL DRIVE (PLAN)		
GROUT FILL (PLAN & SECTION)		
LAKE, RIVER OR POND (PLAN)		
REMOVAL OR DEMOLITION (PLAN & SECTION)		
UNPAVED DRIVE (PLAN)		

DISCIPLINE DESIGNATORS				
DISCIPLINE	DESIGNATOR			
GENERAL	G			
HAZARDOUS MATERIALS	Н			
INSTRUMENTATION	I			
DEMOLITION	X			
SURVEY/MAPPING	V			
GEOTECHNICAL	В			
CIVIL	С			
LANDSCAPE	L			
STRUCTURAL	S			
ARCHITECTURAL	A			
FIRE PROTECTION	F			
MECHANICAL	M			
PLUMBING	Р			
PROCESS	D			
ELECTRICAL	E			

GENERAL NOTES

- 1. THE CONTRACTOR IS EXPECTED TO CAREFULLY EXAMINE THE PLANS, PROPOSAL AND SITE OF THE WORK. THEREFORE, IT WILL BE ASSUMED THAT THE BIDDER HAS SATISFIED HIMSELF AS TO THE CONDITIONS TO BE ENCOUNTERED IN REGARDS TO THE CHARACTER, QUALITY, AND QUANTITIES OF WORK TO BE PERFORMED AND MATERIALS TO BE FURNISHED, AND AS TO THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS, SPECIAL PROVISIONS AND CONTRACT. THE SUBMISSION OF A PROPOSAL BY A BIDDER WILL BE CONSIDERED PRIMA FACIE EVIDENCE THAT THE BIDDER HAS MADE SUCH AN EXAMINATION.
- 2. THE CONTRACTOR IS REQUIRED TO MAINTAIN AN AS-BUILT SET OF DRAWINGS DURING PROJECT CONSTRUCTION. THE COMPLETE AS-BUILT MAP WILL CONTAIN ALL INSTALLED ELECTRICAL, STRUCTURAL ENTITIES, LINES, VALVES, METERS, AND CONNECTIONS WITH REFERENCE DISTANCES TO PERMANENT ABOVE GROUND STRUCTURES.
- 3. ALL EXISTING UTILITIES SHOWN ABOVE AND BELOW GROUND ARE APPROXIMATE AND ARE NOT NECESSARILY ALL THAT EXIST. THE DETERMINATION OF THE EXISTENCE, LOCATION, AND DEPTH OF ALL UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 4. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED BY CONTRACTOR FOR ONE YEAR AFTER ACCEPTANCE BY THE OWNER PER SPECIFICATION 1030.
- 5. IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN THE CIVIL DRAWINGS AND THE ARCHITECTURAL/STRUCTURAL DRAWINGS, THE ARCHITECTURAL/STRUCTURAL DRAWINGS SHALL HAVE PRECEDENCE. THE CONTRACTOR SHALL ADVISE THE ENGINEER OF ANY CONFLICT IN THE PLANS/SPECS FOR CLARIFICATION PRIOR TO BID. SHOULD CONFLICTING DOCUMENTS NOT BE CLARIFIED AT THE REQUEST OF THE BIDDING CONTRACTOR, THE MORE COSTLY ALTERNATIVE AS IDENTIFIED IN THE PLAN & SPECS SHALL BE INCLUDED IN THE PRICE
- 6. ALL HAZARDOUS SUBSTANCES USED FOR THIS PROJECT, INCLUDING, BUT NOT LIMITED TO, PAINT, OIL, GREASE, AND OTHER PETROLEUM PRODUCTS SHALL BE STORED IN ACCORDANCE WITH "SPILL PREVENTION, CONTROL & COUNTERMEASURE" REGULATIONS. THESE SUBSTANCES SHALL BE STORED AWAY FROM STORM DRAINS, DITCHES, AND GUTTERS IN WATERTIGHT CONTAINERS. DISPOSAL OF THESE SUBSTANCES SHALL BE IN ACCORDANCE WITH STATE & FEDERAL AGENCY REGULATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRASH CONTAINERS ON SITE FOR THE DISPOSAL OF CONSTRUCTION MATERIALS WASTE. CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING ANY TRASH OR OTHER POLLUTANTS FROM ENTERING STORM DRAINS & WATERS OF THE STATE.





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Engineer:	GS
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Drawn By:	

COMMERCE 2.0 MGD

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GENERAL NOTES, LEGENDS, & SYMBC G-005

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CEILING FAN:

CEILING MOUNTED EXHAUST FANS SHALL BE OF THE CENTRIFUGAL DIRECT DRIVE TYPE. THE FAN HOUSING SHALL BE CONSTRUCTED OF STEEL. THE PLASTIC DUCT COLLAR SHALL BE A TAPERED SLEEVE FOR EASE OF CONNECTION TO 3 IN AND 4 IN ROUND DUCTWORK AND SHALL INCLUDE A BACKDRAFT DAMPER. THE GRILLE SHALL BE CONSTRUCTED OF NON-YELLOWING HIGH STRENGTH POLYMER AND ATTACHED TO THE HOUSING WITH TORSION SPRINGS. THE WHEELS SHALL BE CONSTRUCTED OF HIGH STRENGTH POLYMER. THE ACCESS FOR WIRING SHALL BE EXTERNAL. THE MOTOR DISCONNECT SHALL BE INTERNAL AND OF THE PLUG IN TYPE.

ALL FANS SHALL BEAR THE AMCA CERTIFIED RATINGS SEALS FOR SOUND AND AIR PERFORMANCE AND SHALL BE U.L. LISTED.

WALL LOUVERS:

THE WALL LOUVER SHALL BE AMCA CERTIFIED. THE WALL LOUVER SHALL BE OPERABLE. DRAINABLE BLADE TYPE. THE LOUVER SHALL INCORPORATE DRAIN GUTTERS IN THE HEAD MEMBER AND HORIZONTAL BLADES TO CHANNEL WATER TO THE JAMBS WHERE WATER IS FURTHER CHANNELED THROUGH VERTICAL DOWNSPOUTS AND OUT A SLOPED SILL.

THE FRAME AND BLADES SHALL BE CONSTRUCTED FROM HEAVY GAUGE, EXTRUDED, ALUMINUM. THE LOUVER SHALL BE OF MECHANICALLY FASTENED CONSTRUCTION.

REFER TO THE EQUIPMENT SCHEDULE FOR A FULL LISTING OF REQUIRED LOUVER ACCESSORIES.

ELECTRIC WALL HEATER:

HEATER ASSEMBLY WHICH FITS INTO THE BACK BOX SHALL CONSIST OF A FAN PANEL UPON WHICH IS MOUNTED ALL OF THE OPERATIONAL PARTS OF THE HEATER.

THE HEATING ELEMENT SHALL BE OF NON-GLOWING DESIGN CONSISTING OF AN 80/20 NICKEL-CHROMIUM RESISTANCE WIRE ENCLOSED IN A STEEL SHEATH TO WHICH PLATE FINS ARE COPPER BRAZED. IT SHALL BE WARRANTED FOR 5 YEARS.

THE FAN SHALL BE FIVE-BLADED ALUMINUM. THE FAN MOTOR SHALL BE TOTAL ENCLOSED.

FAN CONTROL SHALL BE OF BI-METALLIC, SNAP-ACTION TYPE AND SHALL ACTIVATE FAN AFTER HEATING ELEMENT REACHES OPERATING TEMPERATURE. THE FAN SHALL CONTINUE TO OPERATE AFTER THE THERMOSTAT IS SATISFIED AND UNTIL THE HEATING ELEMENT IS

THE TAMPER-PROOF THERMOSTAT SHALL BE OF BI-METALLIC, SNAP-ACTION TYPE WITH ENCLOSED CONTACTS. IT SHALL BE COMPLETELY CONCEALED BEHIND THE FRONT COVER TO BECOME TAMPER PROOF.

A THERMAL CUTOUT SHALL BE BUILT INTO THE SYSTEM TO SHUT OFF THE HEATER IN THE EVENT OF OVERHEATING.

A DOUBLE-POLE SINGLE THROW DISCONNECT SWITCH SHALL BE MOUNTED ON THE BACK BOX FOR POSITIVE DISCONNECT OF POWER SUPPLY. IT WILL BE COMPLETELY CONCEALED BEHIND THE FRONT GRID PANEL.

WHERE SCHEDULED, NORMALLY OPEN 24-VOLT AND 120-VOLT LOW VOLTAGE HOLDING COIL RELAYS SHALL BE AVAILABLE TO CONTROL HEATERS IN CONJUNCTION WITH CENTRAL ENERGY CONTROL SYSTEMS. THE BUILT-IN THERMOSTAT CAN THEN BE USED AS ONE OF THE THERMOSTATS IN AN AUTOMATIC NIGHT SET BACK OPERATION.

THE BACK BOX SHALL BE DESIGNED FOR DUTY AS RECESSED ROUGH-IN BOX IN EITHER MASONRY OR FRAME INSTALLATIONS AND IS ALSO USED WITH THE SURFACE MOUNTING FRAME IN SURFACE MOUNTING INSTALLATIONS. THE BACK BOX SHALL BE 20-GAUGE GALVANIZED STEEL AND SHALL CONTAIN KNOCKOUTS THROUGH WHICH POWER LEADS ARE

THE FRONT PANEL SHALL BE OF THE BAR GRILLE TYPE AND SHALL BE CONSTRUCTED OF I 6-GAUGE COLD-ROLLED STEEL. WELDED INTO A UNIFORM GRILLE AND FINISHED IN BAKED ENAMEL TO DIRECT THE WARMED AIR TOWARD THE FLOOR. THE FRONT GRILLE SHALL BE SURROUNDED BY A DECORATIVE SATIN-FINISH ALUMINUM FRAME.

THE HEATER SHALL BE MADE OF A BACK BOX, A HEATER ASSEMBLY, AND A FRONT PANEL.

EGGCRATE GRILLE:

RETURN GRILLES SHALL BE TITUS MODEL 50F FOR THE SIZES AND MOUNTING TYPES AS SHOWN ON THE PLANS AND OUTLET SCHEDULE. RETURN GRILLES MUST PROVIDE A FREE AREA OF AT LEAST 90%. OUTER BORDERS SHALL BE CONSTRUCTED OF HEAVY EXTRUDED ALUMINUM WITH A THICKNESS OF 0.040-0.050 INCH AND SHALL HAVE COUNTERSUNK SCREW HOLES FOR A NEAT APPEARANCE. BORDER WIDTH SHALL BE 11/4 INCHES ON ALL SIDES AND SHALL BE INTERLOCKED AT THE FOUR CORNERS AND MECHANICALLY STAKED TO FORM A RIGID FRAME. CHOICE OF THREE SIZES OF ALUMINUM GRID: 1/2 X 1/2 X 1/2 INCH, 1/2 X 1/2 X 1 INCH, OR IXIXIINCH SHALL BE AVAILABLE.

OPTIONAL OPPOSED-BLADE VOLUME DAMPER SHALL BE CONSTRUCTED OF HEAVY GAUGE STEEL OR ALUMINUM. DAMPER MUST BE OPERABLE FROM THE FACE OF THE GRILLE.

PLAQUE DIFFUSERS:

ARCHITECTURAL SQUARE PANEL CEILING DIFFUSERS SHALL BE OF THE SIZES AND MOUNTING TYPES SHOWN ON THE PLANS AND OUTLET SCHEDULE. THE FACE PANEL IS REMOVABLE BY MEANS OF FOUR HANGER BRACKETS. THE EXPOSED SURFACE OF THE FACE PANEL SHALL BE

SMOOTH, FLAT, AND FREE OF VISIBLE FASTENERS. THE BACK OF THE FACE PANEL SHALL HAVE AN AERODYNAMICALLY SHAPED, ROLLED EDGE TO ENSURE A TIGHT HORIZONTAL DISCHARGE PATTERN. CEILING DIFFUSERS WITH A 24 X 24-INCH FULL FACE SHALL HAVE NO LESS THAN AN 18 X 18-INCH FACE PANEL SIZE. CEILING DIFFUSERS WITH A 12 X 12-INCH FULL FACE SHALL HAVE NO LESS THAN A 9 X 9-INCH FACE PANEL SIZE.

THE BACKPAN SHALL BE ONE PIECE PRECISION DIE-STAMPED AND SHALL INCLUDE AN INTEGRALLY DRAWN INLET. THE DIFFUSER NECK SHALL HAVE A MINIMUM OF 11/4-INCH DEPTH AVAILABLE FOR DUCT CONNECTION.

THE FINISH SHALL BE #26 WHITE. THE FINISH SHALL BE AN ANODIC ACRYLIC PAINT, BAKED AT 3 I 5°F FOR 30 MINUTES. THE PENCIL HARDNESS MUST BE HB TO H.

THE PAINT MUST PASS A 100-HOUR ASTM B117 CORROSIVE ENVIRONMENTS SALT SPRAY TEST WITHOUT CREEPAGE, BLISTERING OR DETERIORATION OF FILM. THE PAINT MUST PASS A 250-HOUR ASTM D870 WATER IMMERSION TEST. THE PAINT MUST ALSO PASS THE ASTM D2794 REVERSE IMPACT CRACKING TEST WITH A 50-INCH POUND FORCE APPLIED.

OPTIONAL ROUND DAMPER SHALL BE CONSTRUCTED OF HEAVY GAUGE STEEL. DAMPER MUST BE OPERABLE FROM THE FACE OF THE DIFFUSER. OPTIONAL DIRECTIONAL BLOW CLIPS SHALL BE AVAILABLE TO RESTRICT THE DISCHARGE AIR IN CERTAIN DIRECTIONS.

OPTIONAL MOLDED INSULATION BLANKET SHALL BE AVAILABLE. THE INSULATION WILL BE R-G, FOIL-BACKED, AND PROVIDE AN ADDITIONAL I-INCH GAP AROUND THE NECK TO INSTALL INSULATED FLEX DUCT.

THE MANUFACTURER SHALL PROVIDE PUBLISHED PERFORMANCE DATA FOR THE SQUARE PANEL DIFFUSER. THE DIFFUSER SHALL BE TESTED IN ACCORDANCE WITH ANSI/ASHRAE STANDARD 70-1991

SPECIFICATIONS

ROOFTOP UNITS:

OUTDOOR, ROOFTOP MOUNTED, ELECTRICALLY CONTROLLED, HEATING AND COOLING UNIT UTILIZING A FULLY HERMETIC SCROLL COMPRESSOR(S) FOR COOLING DUTY AND GAS COMBUSTION FOR HEATING DUTY. FACTORY ASSEMBLED, SINGLE-PIECE HEATING AND COOLING ROOFTOP UNIT. CONTAINED WITHIN THE UNIT ENCLOSURE SHALL BE ALL FACTORY WIRING, PIPING, CONTROLS, AND SPECIAL FEATURES REQUIRED PRIOR TO FIELD START-UP. UNIT SHALL USE ENVIRONMENTALLY SOUND, PURON® REFRIGERANT. UNIT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. UNIT MUST BE SELECTED AND INSTALLED IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL CODES.

UNIT CABINET SHALL BE CONSTRUCTED OF GALVANIZED STEEL, AND SHALL BE BONDERIZED AND COATED WITH A PRE-PAINTED BAKED ENAMEL FINISH ON ALL EXTERNALLY EXPOSED SURFACES.

STANDARD HEAT EXCHANGER CONSTRUCTION: HEAT EXCHANGER SHALL BE OF THE TUBULAR-SECTION TYPE CONSTRUCTED OF A MINIMUM OF 20-GAUGE STEEL COATED WITH A NOMINAL 1.2 MIL ALUMINUM-SILICONE ALLOY FOR CORROSION RESISTANCE. BURNERS SHALL BE OF THE IN-SHOT TYPE CONSTRUCTED OF ALUMINUM-COATED STEEL. BURNERS SHALL INCORPORATE ORIFICES FOR RATED HEAT OUTPUT UP TO 2000 FT (6 I OM) ELEVATION. ADDITIONAL ACCESSORY KITS MAY BE REQUIRED FOR APPLICATIONS ABOVE 2000 FT (6 I OM) ELEVATION, DEPENDING ON LOCAL GAS SUPPLY CONDITIONS. EACH HEAT EXCHANGER TUBE SHALL CONTAIN MULTIPLE DIMPLES FOR INCREASED HEATING EFFECTIVENESS.

STANDARD EVAPORATOR AND CONDENSER COILS SHALL HAVE ALUMINUM LANCED PLATE FINS MECHANICALLY BONDED TO SEAMLESS INTERNALLY GROOVED COPPER TUBES WITH ALL JOINTS BRAZED, EVAPORATOR COILS SHALL BE LEAK TESTED TO 150 PSIG, PRESSURE TESTED TO 450 PSIG, AND QUALIFIED TO UL 1995 BURST TEST AT 1775 PSIG. CONDENSER COILS SHALL BE LEAK TESTED TO 150 PSIG. PRESSURE TESTED TO 650 PSIG. AND QUALIFIED TO UL 1995 BURST TEST AT 1980 PSIG.

COMPRESSORS: UNIT SHALL USE FULLY HERMETIC, SCROLL COMPRESSOR FOR EACH INDEPENDENT REFRIGERATION CIRCUIT.

FILTERS ACCESS IS SPECIFIED IN THE UNIT CABINET SECTION OF THIS SPECIFICATION. FILTERS SHALL BE HELD IN PLACE BY A PIVOTING FILTER TRAY, FACILITATING EASY REMOVAL AND INSTALLATION. SHALL CONSIST OF FACTORY-INSTALLED. LOW VELOCITY, THROW-AWAY 2-IN. THICK FIBERGLASS FILTERS. FILTERS SHALL BE STANDARD, COMMERCIALLY AVAILABLE SIZES.

EVAPORATOR FAN MOTOR SHALL HAVE PERMANENTLY LUBRICATED BEARINGS. SHALL HAVE INHERENT AUTOMATIC-RESET THERMAL OVERLOAD PROTECTION OR CIRCUIT BREAKER. SHALL HAVE A MAXIMUM CONTINUOUS BHP RATING FOR CONTINUOUS DUTY OPERATION; NO SAFETY FACTORS ABOVE THAT RATING SHALL BE REQUIRED.

BELT-DRIVEN EVAPORATOR FAN: BELT DRIVE SHALL INCLUDE AN ADJUSTABLE-PITCH MOTOR PULLEY. SHALL USE SEALED, PERMANENTLY LUBRICATED BALL-BEARING TYPE. BLOWER FAN SHALL BE DOUBLE-INLET TYPE WITH FORWARD-CURVED BLADES. SHALL BE CONSTRUCTED FROM STEEL WITH A CORROSION RESISTANT FINISH AND DYNAMICALLY BALANCED.

CONDENSER FAN MOTORS SHALL BE A TOTALLY ENCLOSED MOTOR. SHALL USE PERMANENTLY LUBRICATED BEARINGS. SHALL HAVE INHERENT THERMAL OVERLOAD PROTECTION WITH AN AUTOMATIC RESET FEATURE. SHALL USE A SHAFT-DOWN DESIGN ON 04 TO 12 MODELS AND SHAFT-UP ON 14 SIZE WITH RAIN SHIELD.

CONDENSER FANS SHALL BE A DIRECT-DRIVEN PROPELLER TYPE FAN. SHALL HAVE ALUMINUM BLADES RIVETED TO CORROSION-RESISTANT STEEL SPIDERS AND SHALL BE DYNAMICALLY BALANCED.

REFER TO THE EQUIPMENT SCHEDULE FOR A COMPLETE LISTING OF REQUIRED ACCESSORIES.

SMOKE DETECTORS SHALL BE A FOUR-WIRE CONTROLLER AND DETECTOR. SHALL BE ENVIRONMENTAL COMPENSATED WITH DIFFERENTIAL SENSING FOR RELIABLE, STABLE, AND DRIFT-FREE SENSITIVITY. SHALL USE MAGNET-ACTIVATED TEST/RESET SENSOR SWITCHES. SHALL HAVE TOOL-LESS CONNECTION TERMINAL ACCESS. SHALL HAVE A RECESSED MOMENTARY SWITCH FOR TESTING AND RESETTING THE DETECTOR. CONTROLLER SHALL INCLUDE:

(I.) ONE SET OF NORMALLY OPEN ALARM INITIATION CONTACTS FOR CONNECTION TO AN INITIATING DEVICE CIRCUIT ON A FIRE ALARM CONTROL PANEL. TWO FORM-C AUXILIARY ALARM RELAYS FOR INTERFACE WITH ROOFTOP UNIT OR

OTHER EQUIPMENT.

(3.) ONE FORM-C SUPERVISION (TROUBLE) RELAY TO CONTROL THE OPERATION OF THE TROUBLE LED ON A REMOTE TEST/RESET STATION.

(4.) CAPABLE OF DIRECT CONNECTION TO TWO INDIVIDUAL DETECTOR MODULES. (5.) CAN BE WIRED TO UP TO 14 OTHER DUCT SMOKE DETECTORS FOR MULTIPLE FAN SHUTDOWN APPLICATIONS

THERMOSTATS: ELECTRIC, SOLID-STATE, MICROCOMPUTER-BASED ROOM THERMOSTAT. AUTOMATIC SWITCHING FROM HEATING TO COOLING. PREFERENTIAL RATE CONTROL TO MINIMIZE OVERSHOOT AND DEVIATION FROM SET POINT. SET UP FOR FOUR SEPARATE TEMPERATURES PER DAY. INSTANT OVERRIDE OF SET POINT FOR CONTINUOUS OR TIMED PERIOD FROM I HOUR TO 3 I DAYS. SHORT-CYCLE PROTECTION. PROGRAMMING BASED ON EVERY DAY OF WEEK. SELECTION FEATURES INCLUDE DEGREE F DISPLAY, 12- OR 24-HOUR CLOCK, KEYBOARD DISABLE, REMOTE SENSOR, AND FAN ON-AUTO. BATTERY REPLACEMENT WITHOUT PROGRAM LOSS.

THERMOSTAT DISPLAY FEATURES INCLUDE THE FOLLOWING: TIME OF DAY. ACTUAL ROOM TEMPERATURE. PROGRAMMED TEMPERATURE. PROGRAMMED TIME. DURATION OF TIMED OVERRIDE. DAY OF WEEK. SYSTEM MODE INDICATIONS INCLUDE "HEATING," "OFF," "FAN AUTO,"

ELECTRIC HEAT: HEATER ELEMENT OPEN COIL RESISTANCE WIRE, NICKEL-CHROME ALLOY, 0.29 INCHES INSIDE DIAMETER, STRUNG THROUGH CERAMIC INSULATORS MOUNTED ON METAL FRAME. COIL ENDS ARE STAKED AND WELDED TO TERMINAL SCREW SLOTS.

HEATER ASSEMBLIES ARE PROVIDED WITH INTEGRAL FUSING FOR PROTECTION OF INTERNAL HEATER CIRCUITS NOT EXCEEDING 48 AMPS EACH. AUTO RESET THERMO LIMIT CONTROLS, MAGNETIC HEATER CONTACTORS (24 V COIL) AND TERMINAL BLOCK ALL MOUNTED IN ELECTRIC HEATER CONTROL BOX (MINIMUM 18 GA GALVANIZED STEEL) ATTACHED TO END OF

DIRECT DRIVE SIDEWALL PROPELLER FANS:

HEATER ASSEMBLY.

THE PROPELLER SHALL BE FABRICATED STEEL BLADES AND HUBS. THE WHEEL SHALL BE SECURELY ATTACHED TO THE FAN SHAFT WITH STANDARD SQUARE KEY AND SET SCREW OR TAPERED BUSHING. THE WHEEL SHALL BE STATICALLY AND DYNAMICALLY BALANCED IN ACCORDANCE WITH AMCA STANDARD 204-05. THE PROPELLER AND FAN INLET SHALL BE

THE MOTOR ENCLOSURE SHALL BE OPEN DRIPROOF. THE MOTOR SHALL BE PERMANENTLY LUBRICATED, HEAVY DUTY BALL BEARING TYPE. THE MOTOR SHALL BE FURNISHED AT THE SPECIFIC VOLTAGE AND PHASE. REFER TO THE ELECTRICAL DOCUMENTS FOR REQUIRED FAN ELECTRICAL CHARACTERISTICS.

THE FRAMES AND PANELS SHALL BE BOLTED CONSTRUCTION. THE DRIVE FRAME ASSEMBLIES AND FAN PANELS SHALL BE GALVANIZED STEEL. THE DRIVE FRAME SHALL HAVE WELDED WIRE OR FORMED CHANNELS. THE FAN PANELS SHALL HAVE PREPUNCHED MOUNTING HOLES, FORMED FLANGES AND A DEEP FORMED ONE PIECE INLET VENTURI.

REFER TO THE EQUIPMENT SCHEDULE FOR A FULL LISTING OF REQUIRED FAN ACCESSORIES.

SPECIFICATIONS

APPLICABLE CODES:

INTERNATIONAL FIRE CODE, 2018 EDITION - 2020 IFC GA AMENDMENTS INTERNATIONAL PLUMBING CODE, 2018 - 2020, 2022, 2023 \$ 2024 IPC GA AMENDMENTS INTERNATIONAL MECHANICAL CODE, 2018 - 2020 \$ 2024 IMC GA AMENDMENTS INTERNATIONAL FUEL GAS CODE (IFGC), 2018 EDITION - 2020 \$ 2022 IFGC GA AMENDMENTS INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2015 EDITION - 2020, 2022 \$ 2023 SUPPLEMENTS AND AMENDMENTS

TEST AND BALANCE:

TEST AND BALANCE (TAB) CONTRACTOR SHALL HOLD A CURRENT NATIONAL BALANCING COUNCIL (NBC) CERTIFICATION AND POSSESS ACCURATE AND CALIBRATED INSTRUMENTS. TAB WORK AND REPORTS SHALL BE PER NBC PRACTICAL STANDARDS, PROCEDURES AND FORMS. ACCEPTIBLE ALTERNATIVE TAB FIRM CERTIFICATIONS/PROCEDURES: NEBB, AABC, OR TABB.

PRIOR TO COMMENCEMENT OF THE TAB WORK, THE MECHANICAL SYSTEMS ARE TO BE STARTED AND FULLY FUNCTIONING. A CHECKLIST PRIOR TAB WORK IS TO BE SENT TO THE INSTALLING CONTRACTOR AND RETURNED ATTESTING TO THE READINESS OF THE SYSTEMS FOR BALANCING.

GENERAL NOTES

REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL CEILING MOUNTED EQUIPMENT.

ALL DUCT DIMENSIONS INDICATED IN THESE DOCUMENTS ARE INSIDE-CLEAR DIMENSIONS.

PORTIONS OF DUCTWORK OR PIPING VISIBLE THROUGH GRILLES AND REGISTERS IN FINISHED AREAS SHALL BE PAINTED FLAT BLACK. PAINT BLACK BEHIND ALL GRILLES.

ALL WIRING IN THE CEILING PLENUM SHALL BE PLENUM RATED CABLE. ALL FIRE SEPARATIONS MUST BE PROTECTED WHEN APPLICABLE. ALL MATERIAL IN PLENUM MUST MEET FIRE AND SMOKE SPREAD AS REQUIRED BY NFPA 90A.

MOUNTING FRAME OF CEILING MOUNTED AIR DISTRIBUTION DEVICES SHALL BE COMPATIBLE WITH CEILING TYPE. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPE.

PROVIDE NEW FILTERS (MERV 7 OR BETTER PER OWNER) FOR ALL APPLICABLE HVAC EQUIPMENT AT THE END OF CONSTRUCTION.

ALL ROOF PENETRATIONS TO BE 12" APART AND AT LEAST 12" AWAY FROM CURBS, WALLS, AND DRAIN SUMPS TO PROVIDE ROOFING CONTRACTOR WITH SUFFICIENT ACCESS FOR FLASHING EACH ROOF PENETRATION.

SUBSTITUTIONS MUST BE APPROVED IN WRITING BY ARCHITECT PRIOR TO BID SUBMISSION.

CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS AND SHALL BE FAMILIAR WITH THE SCOPE AND REQUIREMENTS OF THIS PROJECT. ANY DISCREPANCIES OR LACK OF CLARITY IN THE DOCUMENTS SHALL BE IDENTIFIED TO THE ARCHITECT OR ENGINEER PRIOR TO THE SUBMISSION OF PRICING BIDS. WITH A SUBMITTED BID, CONTRACTOR IS ACCEPTING THESE DOCUMENTS AS SUFFICIENT DEFINITION OF THE SCOPE OF WORK, AND ANY ADDITIONAL COSTS BASED ON UNCLARITY OF CONTRACT DOCUMENTS WILL NOT BE CONSIDERED.

THE CONTRACTOR SHALL REFERENCE THE FULL SET OF CONSTRUCTION DOCUMENTS DURING PRICING AND CONSTRUCTION FOR COORDINATION BETWEEN DISCIPLINES RELATIVE TO THE MECHANICAL SCOPE.

DUCTWORK AND ACCESSORIES:

INDUSTRY STANDARDS: COMPLY WITH SMACNA (SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION) HVAC DUCT CONSTRUCTION STANDARDS. RECOMMENDATIONS FOR FABRICATION, GAUGES, CONSTRUCTION AND DETAILS, AND INSTALLATION PROCEDURES, EXCEPT AS OTHERWISE INDICATED

COMPLY WITH ASHRAE FUNDAMENTALS HANDBOOK RECOMMENDATIONS, EXCEPT AS OTHERWISE INDICATED

DUCTWORK METAL AND GAUGES: EXCEPT AS OTHERWISE INDICATED, FABRICATE DUCTWORK FROM GALVANIZED SHEET STEEL COMPLYING WITH ASTM A527. LOCKFORMING QUALITY. WITH ASTM A525 G90 ZINC COATING, MILL PHOSPHATIZED. GAUGES TO COMPLY WITH SMACNA

DUCT SEALANT: NON-HARDENING, NON-MIGRATING MASTIC OR LIQUID ELASTIC SEALANT (TYPE APPLICABLE FOR THE FABRICATION/INSTALLATION DETAIL) AS COMPOUNDED AND RECOMMENDED BY THE MANUFACTURER SPECIFICALLY FOR SEALING JOINTS AND SEAMS IN

DUCTWORK SUPPORT MATERIALS: EXCEPT AS OTHERWISE INDICATED, PROVIDE UPPER ATTACHMENT, HANGERS OF GALVANIZED STEEL STRAPS, OR STEEL RODS AND LOWER ATTACHMENT FOR SUPPORT OF DUCTWORK. HANGING/SUPPORT SYSTEMS SHALL BE IN ACCORDANCE WITH SMACNA REQUIREMENTS.

EXPOSED DUCTWORK SHALL BE DOUBLE-WALL SPIRAL PIPE WITH PAINT GRIP UNLESS OTHERWISE NOTED OR SUBSTITUTION APPROVED BY OWNER. VOLUNTARY ALTERNATE EXPOSED DUCTWORK SHALL BE SINGLE-WALL SPIRAL PIPE UNLESS OTHERWISE NOTED OR SUBSTITUTION APPROVED BY OWNER. ALL EXPOSED DUCTWORK SHALL BE LINED IN LIEU OF WRAPPED. DUCT LINER THERMAL RESISTANCE SHALL MEET THE MINIMUM VALUES SPECIFIED IN PARAGRAPH 'DUCT INSULATION' BELOW.

DUCTWORK LOCATED OUTSIDE OF THE BUILDING ENVELOPE SHALL BE THERMADUCT PRODUCTS OR COVERED WITH 3M VENTURECLAD JACKETING, OR EQUAL PRODUCT, AND SEALED WEATHER-TIGHT.

DUCT INSULATION: R-6 SUPPLY, OUTSIDE AND RETURN AIR DUCT INSULATION IN CONDITIONED AND UNCONDITIONED SPACES. R-8 SUPPLY AND RETURN AIR DUCT INSULATION OUTSIDE THE BUILDING. R-8 INSULATION BETWEEN DUCTS AND THE BUILDING EXTERIOR WHEN DUCTS ARE PART OF A BUILDING ASSEMBLY.

ROOF CENTRIFUGAL EXHAUST FAN:

ROOF EXHAUST FANS SHALL BE CENTRIFUGAL DIRECT DRIVE TYPE. THE FAN WHEEL SHALL BE CENTRIFUGAL BACKWARD INCLINED, CONSTRUCTED OF ALUMINUM AND SHALL INCLUDE A WHEEL CONE CAREFULLY MATCHED TO THE INLET CONE FOR PRECISE RUNNING TOLERANCES. WHEELS SHALL BE STATICALLY AND DYNAMICALLY BALANCED. THE FAN HOUSING AND SHROUD SHALL BE CONSTRUCTED OF HEAVY GAUGE ALUMINUM AND SHALL INCLUDE A WHEEL CONE CAREFULLY MATCHED TO THE INLET CONE FOR PRECISE RUNNING TOLERANCES. WHEELS SHALL BE STATICALLY AND DYNAMICALLY BALANCED.

THE FAN HOUSING AND SHROUD SHALL BE CONSTRUCTED OF HEAVY GAUGE ALUMINUM WITH A RIGID INTERNAL SUPPORT STRUCTURE. THE FAN SHROUD SHALL HAVE A ROLLED BEAD FOR ADDED STRENGTH. MOTORS SHALL BE MOUNTED OUT OF THE AIRSTREAM ON VIBRATION ISOLATORS. FRESH AIR FOR MOTOR COOLING SHALL BE DRAWN INTO THE MOTOR COMPARTMENT FROM AN AREA FREE OF DISCHARGE CONTAMINANTS. MOTORS SHALL BE READILY ACCESSIBLE FOR MAINTENANCE. A DISCONNECT SWITCH SHALL BE FACTORY INSTALLED AND WIRED FROM THE MOTOR COMPARTMENT FOR EASE OF ELECTRICAL WIRING.

ALL FANS SHALL BEAR THE AMCA CERTIFIED RATINGS SEAL FOR SOUND AND AIR

EACH FAN SHALL BEAR A PERMANENTLY AFFIXED MANUFACTURER'S NAMEPLATE CONTAINING THE MODEL NUMBER AND INDIVIDUAL SERIAL NUMBER FOR FUTURE IDENTIFICATION.

SYMBOLS DESCRIPTION DIFFUSER, GRILLE, REGISTER OR LOUVER TAG XI = TYPE, X2 = CFMPOSITIVE PRESSURE (AIR GOES OUT) DIFFUSER OR REGISTER, 4-WAY AIR PATTERN (UNLESS OTHERWISE NOTED) NEGATIVE PRESSURE (AIR GOES IN) GRILLE POSITIVE PRESSURE AIRFLOW (TYP. SUPPLY) NECATIVE PREGGLIRE AIRELOW/ (TVP RETLIBMEVILALICT)

→	NEGATIVE PRESSURE AIRFLOW (TYP. RETURN/EXHAUST)
111111	FLEXIBLE DUCT
Γ	MANUAL VOLUME DAMPER (MVD)
T	THERMOSTAT
H	HUMIDISTAT
(5)	REMOTE TEMPERATURE SENSOR
	DUCT UP
	DUCT UP
	DUCT DOWN
	SUPPLY DUCT
UNIT #	EQUIPMENT TYPE EQUIPMENT NUMBER. WHERE A LETTER IS USED, THERE ARE MULTIPL INSTANCES.
ABBREVIATIO)NS

ABE	3REVIATIONS		
DB	DRY BULB	MAV	MANUAL AIR VENT
DH	DEHUMIDIFIER	мвн	I ,000 BTU PER HR
EA	EXHAUST AIR	MFCU	MINI FAN COIL UNIT
EAT	ENTERING AIR TEMPERATURE	MHP	MINI HEAT PUMP
EDH	ELECTRIC DUCT HEATER	MVD	MANUAL VOLUME DAMPER
EF	EXHAUST FAN	OA	OUTSIDE AIR
ESP	EXTERNAL STATIC PRESSURE	RTU	ROOFTOP UNIT
EWH	ELECTRIC WALL HEATER	SA	SUPPLY AIR
F	DEGREES FAHRENHEIT	SP	STATIC PRESSURE
FCU	FAN COIL UNIT	U.N.O	UNLESS NOTED OTHERWISE
FD	FIRE DAMPER	WB	WET BULB
LAT	LEAVING AIR TEMPERATURE	WL	WALL LOUVER

SPECIFICATIONS

LEGEND

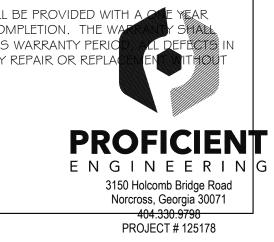
SUBMIT SHOP DRAWINGS FOR REVIEW. PDF FILES PREFERRED. SHOP DRAWINGS SHALL BE BOUND INTO VOLUMES (FILES), WITH EACH VOLUME (FILE) CONTAINING ONE COPY OF ALL SHOP DRAWINGS. ALL SHOP DRAWINGS SHALL BE SUBMITTED SIMULTANEOUSLY; NO SHOP DRAWINGS WILL BE CHECKED UNTIL ALL HAVE BEEN SUBMITTED.

SUBMITTALS SHALL BE SUPPORTED BY DESCRIPTIVE MATERIAL, SUCH AS CATALOG CUTS, DIAGRAMS, PERFORMANCE CURVES AND CHARTS PUBLISHED BY THE MANUFACTURER, TO SHOW CONFORMANCE TO SPECIFICATION AND DRAWING REQUIREMENTS; MODEL NUMBERS ALONE WILL NOT BE ACCEPTABLE. ALL LITERATURE SHALL CLEARLY INDICATE THE SPECIFIED MODEL NUMBER, DIMENSIONS, ARRANGEMENT, RATING AND CHARACTERISTICS OF THE PROPOSED EQUIPMENT. CAPACITIES AND RATINGS SHALL BE BASED ON CONDITIONS INDICATED OR SPECIFIED HEREIN. ANY DEVIATIONS FROM SPECIFIED EQUIPMENT (PARTICULARLY THOSE WHICH REQUIRE COORDINATION WITH OTHER TRADES) SHALL BE CLEARLY NOTED IN A CONCISE LIST ON A SEPARATE SHEET.

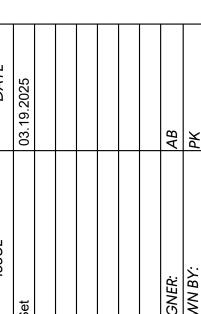
GUARANTEE THAT EACH PIECE OF APPARATUS SHALL BE OF THE CUSTOMARY STANDARD AND QUALITY FURNISHED BY THE DESIGNED MANUFACTURER FOR THAT CATALOG NUMBER.

GUARANTEE THAT THE AIR SYSTEMS SHALL OPERATE WITHOUT AERODYNAMIC NOISE GENERATED FROM THE FAULTY INSTALLATION OF DUCT WORK OR ANY COMPONENT OF THE AIR DISTRIBUTION SYSTEM.

GUARANTEE THAT ALL SYSTEMS AND COMPONENTS SHALL BE PROVIDED WITH A WARRANTY FROM THE TIME OF DATE OF SUBSTANTIAL COMPLETION. THE COVER ALL MATERIALS AND WORKMANSHIP. DURING THIS WARRANTY PERIC MATERIALS AND WORKMANSHIP SHALL BE CORRECTED BY REPAIR OR REPLACE INCURRING ADDITIONS TO THE CONTRACT.





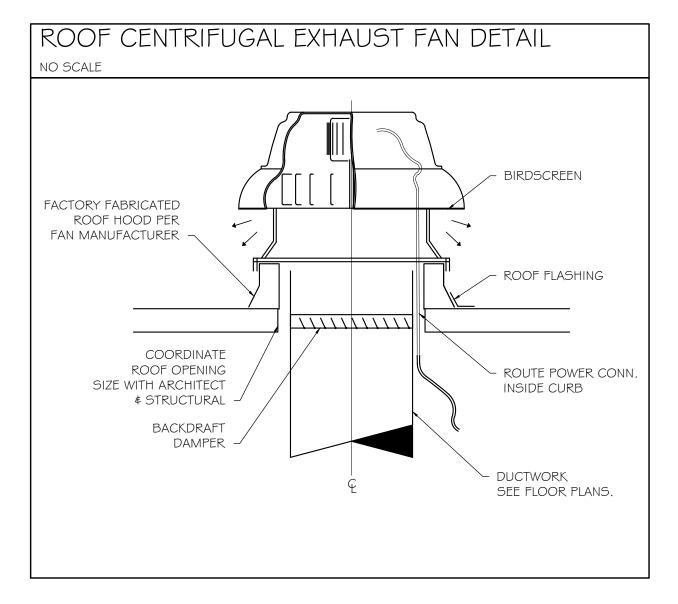


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C e



- NYLON TIE ON EXTERIOR INSULATION

DUCTWORK. SEE

- PREINSULATED FLEXIBLE

SPECIFICATIONS. LENGTH

SHALL NOT EXCEED 8'-0".

INSTALL FREE OF KINKS \$

INACCESSIBLE CEILINGS

PRE-MOLDED INSULATION

BLANKET ON DIFFUSER

SUPPLY DIFFUSER CEILING

(I.E. HARD CEILINGS)

PROVIDE SUPPORT PER

SMACNA STANDARDS.

- DAMPER HERE FOR

-PROVIDE FACTORY,

BACKPLATE

WHERE BRANCH DUCT SIZE DIFFERS FROM

- NYLON TIE ON INTERNAL LINER

INTERIOR LINER

DIFFUSER TAKE-OFF DETAIL

SPIN-IN FITTING

DAMPER HERE FOR

ACCESSIBLE CEILINGS

INSTALL USING TENSIONING TOOL AS SHALL PROVIDE NECESSARY TRANSITION.

WITH SCOOP

CONNECT FLEX DUCT ENDS TO

PER MANUFACTURER'S

RECOMMENDATIONS.

SHEET METAL DUCT AND DIFFUSER

NECK WITH NYLON TIES. INTERIOR

LINER AND EXTERIOR INSULATION OF

NO SCALE

ROUND SHEET

METAL DUCT

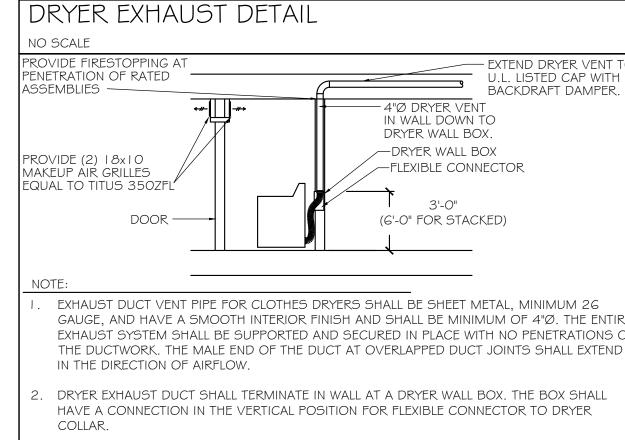
DIAMETER AS

PLANS. —

TRUNK DUCT

NOTE:

INDICATED ON



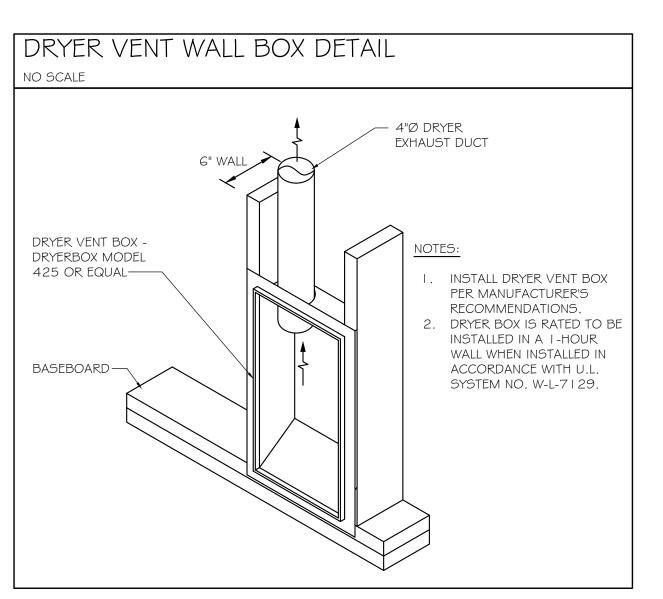
3. CLEAN-OUT OF THE DRYER VENT EXHAUST SYSTEM CAN BE ACCOMPLISHED BY REMOVING

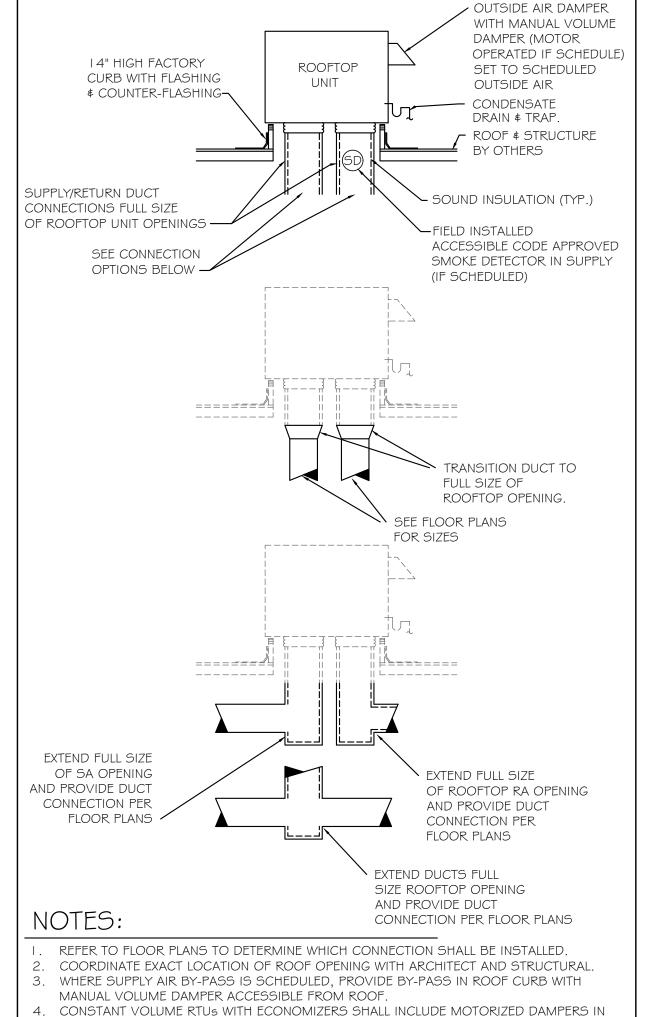
4. THE ENTIRE DRYER EXHAUST VENT SYSTEM SHALL BE IN ACCORDANCE WITH THE LATEST

. IF LAUNDRY CLOSET DOOR IS LOUVERED. MAKEUP AIR GRILLES MAY BE OMITTED.

THE FLEXIBLE CONNECTOR AND REMOVING ANY EXCESS DRYER LINT.

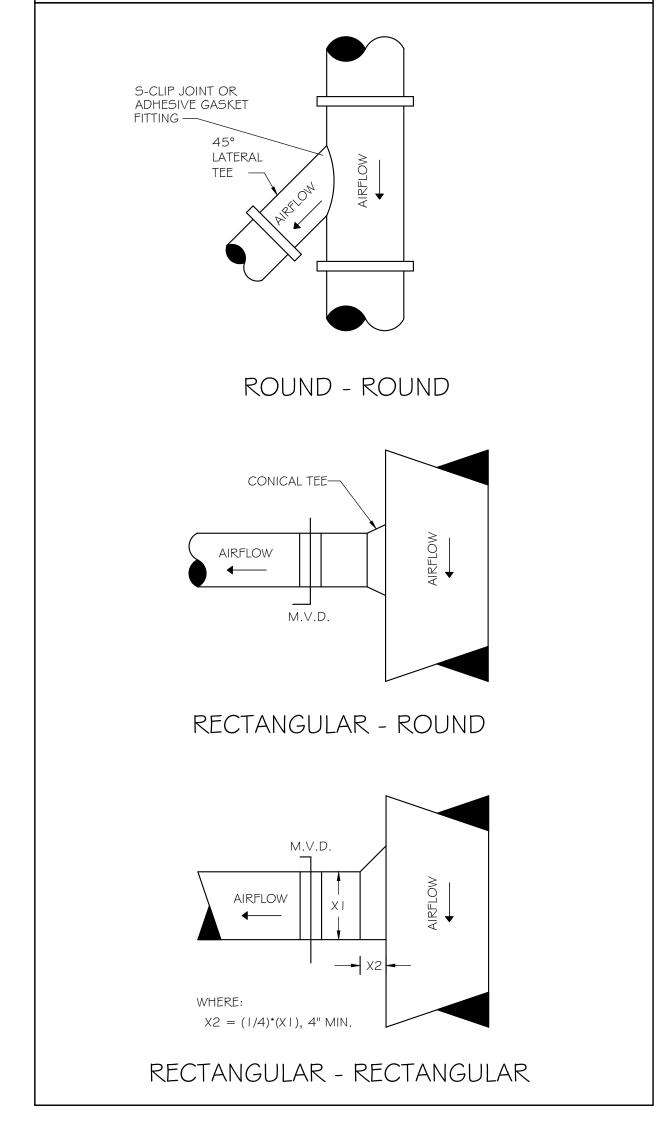
LOCAL MECHANICAL CODES AND AMENDMENTS.





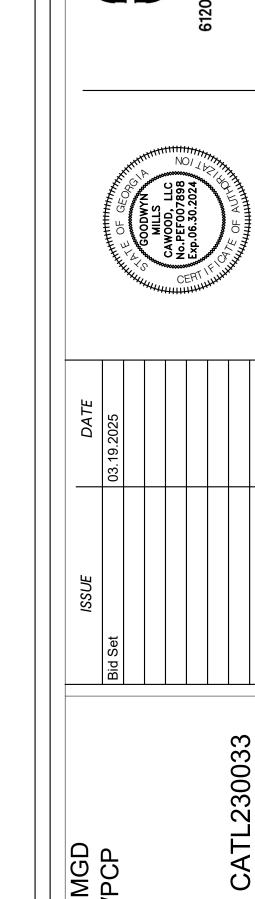
ROOFTOP UNIT DETAIL

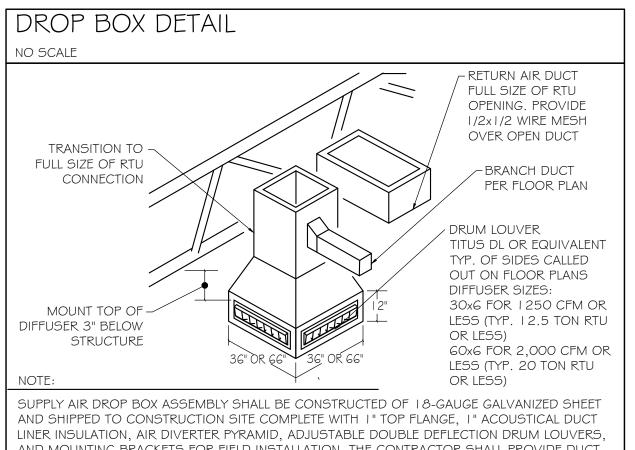
NO SCALE



DUCTWORK DETAILS

NO SCALE

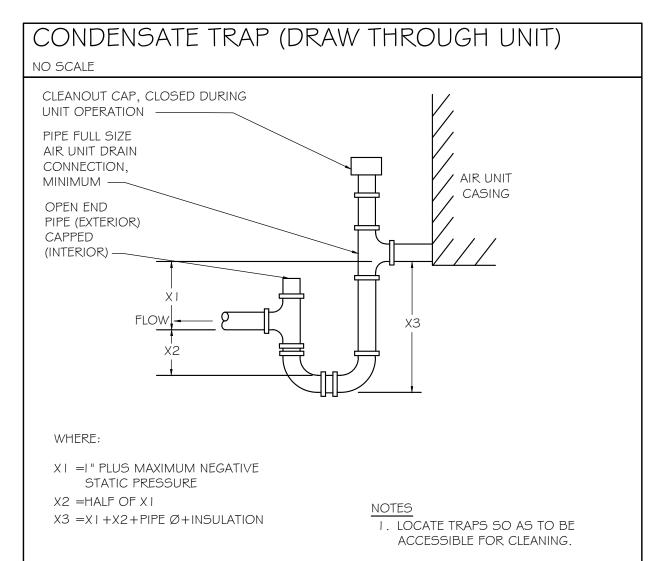




AND MOUNTING BRACKETS FOR FIELD INSTALLATION. THE CONTRACTOR SHALL PROVIDE DUCT TRANSITION AS REQUIRED TO COMPLETE CONNECTION TO RTU.

DROP BOX SHALL BE SHOP PRIMED AND FINISHED TO MATCH THE COLOR OF THE STRUCTURE. SEE ARCHITECTURAL.

DROP BOX SHALL BE SHIPPED WITH A SCHEDULE REFERENCING EACH DROP BOX WITH ITS



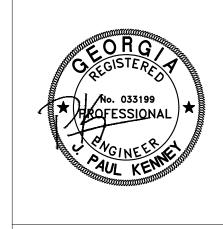
BOTH THE OUTDOOR AIR AND RETURN FOR ECONOMIZER CONTROL.

WHERE MOTORIZED IS NOT OFFERED BY THE RTU MANUFACTURER.

CONSTANT VOLUME RTUS WITHOUT ECONOMIZERS SHALL INCLUDE A MOTORIZED

OUTDOOR AIR INTAKE DAMPER AND A MANUAL VOLUME DAMPER IN RETURN DUCT FOR

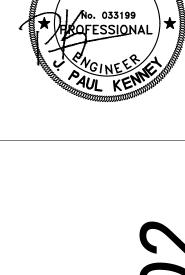
BALANCING. MANUAL VOLUME DAMPER IN OUTDOOR AIR INTAKE IS ONLY ACCEPTABLE



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PROJ.#

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3150 Holcomb Bridge Road Norcross, Georgia 30071 404.330.9798 PROJECT # 125178

PROFICIENT ENGINEERING

LOUVERS

SYMBOL	MODEL / SERIES	SERVES	SIZE (WxH)	MIN FREE AREA (SF)	CFM	MAX PRESS. DROP (IN WC)	OPERATOR	INTERLOCK	FRAME	i	REMA	ARKS	4
WL- I	EAD-635	DEWATERING STORAGE	24x18	1.1	870	0.1	MOD	EF-4	ALUMINUM	Х	Х	X	
WL-2	EAD-635	DEWATERING ROOM	42x30	4.4	3,600	0.1	MOD	EF-5	ALUMINUM	Х	Х	Х	Х
WL-3	EAD-635	CHEMICAL FEED BUILDING	18x18	0.5	450	0.1	MOD	EF-6	ALUMINUM	X	Х	X	X
WL-4	EAD-635	BLOWER BUILDING	48X48	7.9	6,500	0.1	MOD	EF-7	ALUMINUM	Х	Х	Х	
WL-5	EAD-635	BLOWER BUILDING	48X48	7.9	6,500	0.1	MOD	BLOWERS	ALUMINUM	Х	Х	Х	

NOTES (APPLY TO ALL):

A. FINAL COLOR SELECTION SHALL BE MADE BY ARCHITECT AT TIME OF SHOP DRAWING APPROVAL. PROVIDE COLOR/FINISH CHARTS AS PART OF SUBMITTAL.

B. DESIGN IS BASED ON PRODUCTS BY GREENHECK. ACCEPTABLE ALTERNATES SHALL BE BY UNITED ENERTECH, ARROW, RUSKIN.

REMARKS (APPLY AS SCHEDULED):

1. BIRD SCREEN

2. BAKED ON ENAMEL FINISH.

3. I 20V MOTORIZED DAMPER.

4. CORROSION-RESISTANT COATING.

UNIT HEATER - ELECTRIC

		F.A	АN	HEAT	ING		
MARK	SERVES	AIRFLOW	MOTOR	KW	STAGES	BASIS OF DESIGN	WEIGHT
		(CFM)	(HP)				(LBS)
EUH-A	DEWATERING	350	1/100	5.0	2	CHROMALOX HD3D	27.0
EUH-B	BLOWER	1,320	1/10	20.0	4	CHROMALOX HD3D	60.0
	ROOM						
EUH-1	CHEMICAL	350	1/100	3.0	2	CHROMALOX HD3D	27.0
	FEED						

NOTES: (APPLY TO ALL)

- A. DISCONNECT SWITCH PROVIDED BY THE ELECTRICAL SUBCONTRACTOR.
- B. 24V CONTROL TRANSFORMER AND REMOTE / WALL MOUNTED THERMOSTAT SET TO 40°F (ADJ.).
- C. AUTOMATIC THERMAL CUT-OUT.
- D. FAN DELAY.
- E. ADJUSTABLE DISCHARGE LOUVERS.
- F. CORROSION-RESISTANT CONSTRUCTION.

DIFFUS	BER, GRILLE, AND REGIS	TER SCH	HEDULE		
CALLOUT	DESCRIPTION	FACE SIZE (IN)	INLET SIZE (IN)	NOISE CRITERIA @ MAX CFM	MODEL
RC2424	EGGCRATE GRILLE	24x24	24x24	25	TITUS 50F
RS 206	EGGCRATE GRILLE	12x6	12x6	25	TITUS 50F
RS1212	EGGCRATE GRILLE	12x12	12x12	25	TITUS 50F
SCEC1212	EGGCRATE GRILLE	12x12	12x12	25	TITUS 50F
SCEC2424	EGGCRATE GRILLE	24x24	24x24	25	TITUS 50F
SCP06	SUPPLY CEILING PLAQUE DIFFUSER	24x24	6Ø	25	TITUS OMNI
SCP08	SUPPLY CEILING PLAQUE DIFFUSER	24x24	8Ø	25	TITUS OMNI
SCPIO	SUPPLY CEILING PLAQUE DIFFUSER	24x24	10Ø	25	TITUS OMNI
SCP14	SUPPLY CEILING PLAQUE DIFFUSER	24x24	14Ø	25	TITUS OMNI

A. AIR DEVICE (I.E. DIFFUSERS, REGISTERS AND GRILLES) COLOR SELECTION SHALL BE MADE BY ARCHITECT. CONTRACTOR SHALL

SUBMIT COLOR/FINISH CHARTS FOR ARCHITECTURAL REVIEW AND SELECTION.

B. THE CONTRACTOR SHALL COORDINATE AIR DEVICE FRAME AND/OR SUSPENSION TYPE WITH THE ARCHITECTURAL REFLECTED CEILING

ROOFTOP DIRECT EXPANSION (DX) EQUIPMENT

		TOTAL			AUX. ELEC.		CARRIER				MINIMU	M COOLING C	CAPACITY					DI	EMARI	rc		
MARK	SERVES	S.A.	O.A.	E.S.P.	HEATER	WEIGHT	BASIS OF	NOMINAL	TOTAL	SENS	LAT	Ent. Tdb	Ent. Twb	Lvg. Tdb	Lvg. Twb			NL.	-IVIANI			
		(CFM)	(CFM)	(IN WG)	(KW)	(LBS.)	DESIGN	TONNAGE	(MBH)	(MBH)	(MBH)	(°F)	(°F)	(°F)	(°F)	1 2	3	4	5 6	7	8 8	<i>)</i> 10
RTU-1	LABORATORY	1,990	400	0.50	12.0	584.0	50GEQ	5.0	63.0	44.9	18.1	78.6	66.6	57.0	56.0	x x	X	X		X	X	×
RTU-2	ADMIN BUILDING	3,000	750	0.50	18.6	885.0	50GEQ	7.5	89.0	65.6	23.4	79.5	67.3	58.5	57.5	× ×	Х	Х	X	X X	X	<
RTU-3	BLOWER BLDG ELEC ROOM	3,400	0	0.50	7.8	910.0	50GEQ	8.5	101.7	73.2	28.5	75.0	64.0	54.5	53.5	x x	X	Х	X	X	X	X

NOTES (APPLY TO ALL):

- A. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL POWER INFORMATION.
- B. SUBMITTED UNIT CAPACITIES SHOULD BE WITHIN +/- I 0% OF SCHEDULED
- C. DESIGN IS BASED ON PRODUCTS BY CARRIER. ACCEPTABLE ALTERNATES SHALL BE BY TRANE, LENNOX, DAIKIN, OR JCI. SHOULD AN ALTERNATE MANUFACTURER BE PROVIDED, THE MECHANICAL CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COORDINATING EQUIPMENT'S ELECTRICAL

HARACTERISTICS WITH THE ELECTRICAL CONTRACTOR.

- D. ALL UNITS SHALL BE INSTALLED WITH AN ELECTRONIC WATER LEVEL DETECTOR IN THE PRIMARY DRAIN PAN. WATER LEVEL DETECTOR SHALL BE INSTALLED AT A POINT HIGHER THAN THE PRIMARY DRAIN LINE AND LOWER THAN THE DRAIN PAN OVERFLOW RIM. THE WATER LEVEL DETECTOR SHALL BE WIRED TO SHUT DOWN THE UNIT UPON DETECTION OF WATER.
- E. UNITS SHALL BE DOE 2023 COMPLIANT.

REMARKS (APPLY AS SCHEDULED):

- I. NON POWERED WEATHER PROOF GFCI RECEPTICLE.
- 2. FACTORY DISCONNECT SWITCH.
- 3. AIRSIDE ENTHALPY ECONOMIZER WITH MOTORIZED RETURN AND OUTDOOR AIR DAMPERS.
- 4. POWERED EXHAUST. POWERED EXHAUST SHALL RUN ONLY WHEN UNIT IS IN ECONOMIZER MODE.
- 5. MOTORIZED OUTDOOR AIR DAMPER.
- 6. FIELD PROVIDED AND FIELD INSTALLED SMOKE DETECTOR. SMOKE DETECTOR SHALL BE MOUNTED IN THE SUPPLY DUCT.
- 7. FACTORY INSULATED ROOF CURB.
- 8. LOW AMBIENT COOLING KIT.
- 9. 2 STAGE COOLING.

FAN SCHEDULE

			T	1		1		T		T	1							_			
MARK	SERVES	DUTY	TYPE	CFM	ESP (IN WG)	MOTOR (W / HP*)	DRIVE	MAX NOISE (SONES)	CONTROL BY	CONTROL BY	BASIS OF DESIGN MODEL		ROL BY BASIS OF DESIGN MODEL			F	REMA	ARKS			
					,	(,,		(001120)				2	3	4	5	6	7 8				
EF-I	MEN'S RESTROOM	EXHAUST	CEILING CABINET	190	0.5	155	DIRECT	4.5	OCCUPANCY SENSOR	GREENHECK SP	X	Х	Х								
EF-2	WOMEN'S RESTROOM	EXHAUST	CEILING CABINET	190	0.5	155	DIRECT	4.5	OCCUPANCY SENSOR	GREENHECK SP	X	X	Х								
EF-3	DEWATERING RESTROOM	EXHAUST	CEILING CABINET	120	0.5	150	DIRECT	3.5	OCCUPANCY SENSOR	GREENHECK SP	X	X	Х								
EF-4	DEWATERING STORAGE	EXHAUST	PROPELLER WITH LOUVER	750	0.5	1/12*	DIRECT	7.9	THERMOSTAT	GREENHECK AER	X	Х	Х	X	X		×				
EF-5	DEWATERING ROOM	EXHAUST	PROPELLER WITH LOUVER	3600	0.5	*	DIRECT	14.1	THERMOSTAT	GREENHECK AER	X	X	Х	Х	X	X	×				
EF-6	CHEMICAL FEED BUILDING	EXHAUST	PROPELLER WITH LOUVER	450	0.5	1/4*	DIRECT	6.4	THERMOSTAT	GREENHECK AER	X	X	Х	Х	X	X	×				
EF-7	BLOWER ROOM	EXHAUST	ROOF CENTRIFUGAL	5600	0.5	2 *	DIRECT	22.0	THERMOSTAT	GREENHECK G	X	X	Х				X				

NOTES (APPLY TO ALL):

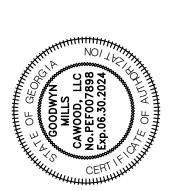
- A. SEE ELECTRICAL PLANS FOR POWER CHARACTERISTICS
- B. DESIGN IS BASED ON PRODUCTS BY GREENHECK. ACCEPTABLE
- ALTERNATES SHALL BE BY LOREN-COOK, TWIN-CITY, PENN BARRY.

REMARKS (APPLY AS SCHEDULED):

- 1. FAN SPEED CONTROLLER.
- 2. FACTORY DISCONNECT SWITCH/PLUG.
- 3. GRAVITY BACKDRAFT DAMPER.
- 4. WALL HOUSING.
- 5. OSHA GUARD.
- 6. CORROSION-RESISTANT COATING.
- 7. MOTORIZED LOUVER, FULL SIZE OF FAN. INTERLOCKED WITH FAN TO OPEN WHEN FAN IS ENERGIZED AND TO CLOSE WHEN FAN IS OFF.
- 8. FACTORY INSULATED ROOF CURB.







ISSOE	מ אלט
Bid Set	03.19.2025
DESIGNER:	AB
DRAWN BY:	PK

CATL2

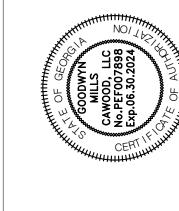
PROJ.# GMC NOT - RE



LAE	3 FAN SCHEDULE					
MAR	K SERVES	DUTY	TYPE	CFM	ESP (IN MOTOR WG) (W / HP*) DRIVE	E CONTROL BY BASIS OF DESIGN MODEL REMARKS L 2 3 4 5 6
LEF-	LABORATORY FUME HOOD	EXHAUST	HIGH PLUME LABORARY EXHAUST	630	0.3 1/2* DIREC	T INTERLOCKED WITH HOOD GREENHECK VEKTOR-H-10 X X X X X X
A. SI	ES (APPLY TO ALL): EE ELECTRICAL PLANS FOR POWER (REMARKS (APPLY AS SCHEDULED) 1. FAN SPEED CONTROLLER.):
	ESIGN IS BASED ON PRODUCTS BY				3. GRAVITY BACKDRAFT DAMPER.4. HEAVY LOAD ROOF CURB.5. VARIABLE FREQUENCY DRIVE M	MOTOR. ING. GREENHECK LABCOAT OR EQUAL.
						ELECTRIC WALL HEATER MARK SERVES WATTS HEAT BASIS OF REMARK (BTU/H) DESIGN 1 2 3 4
						EWH-1 ADMIN UTILITY ROOM 1500 5120 QMARK AWH X X X X X EWH-2 DEWATERING RESTROOM 1500 5120 QMARK AWH X X X X X REMARKS:
						I. INTEGRAL THERMOSTAT TO MAINTAIN MINIMUM 45°F (ADJUSTABLE). COORDINATE ELECTRICAL CHARACTERISTICS WITH ELECTRICAL CONTRACTOR. S. FAN DELAY SWITCH. H. THERMAL CUTOUT.
						5. FACTORY DISCONNECT SWITCH. G. SURFACE MOUNTING KIT.



120 Powers Ferry Road NW, Suite 200 Atlanta, GA 30339
T 770.952.2481



Bid Set 03.19.2025
Bid Set 03.19.2025
DESIGNER: AB

Commerce 2.0 MGD
Grove Creek WPCP

Commerce, GA

GMC PROJ.# CATL230033

NOT - RELEASED FOR CONSTRUCTION



M-004

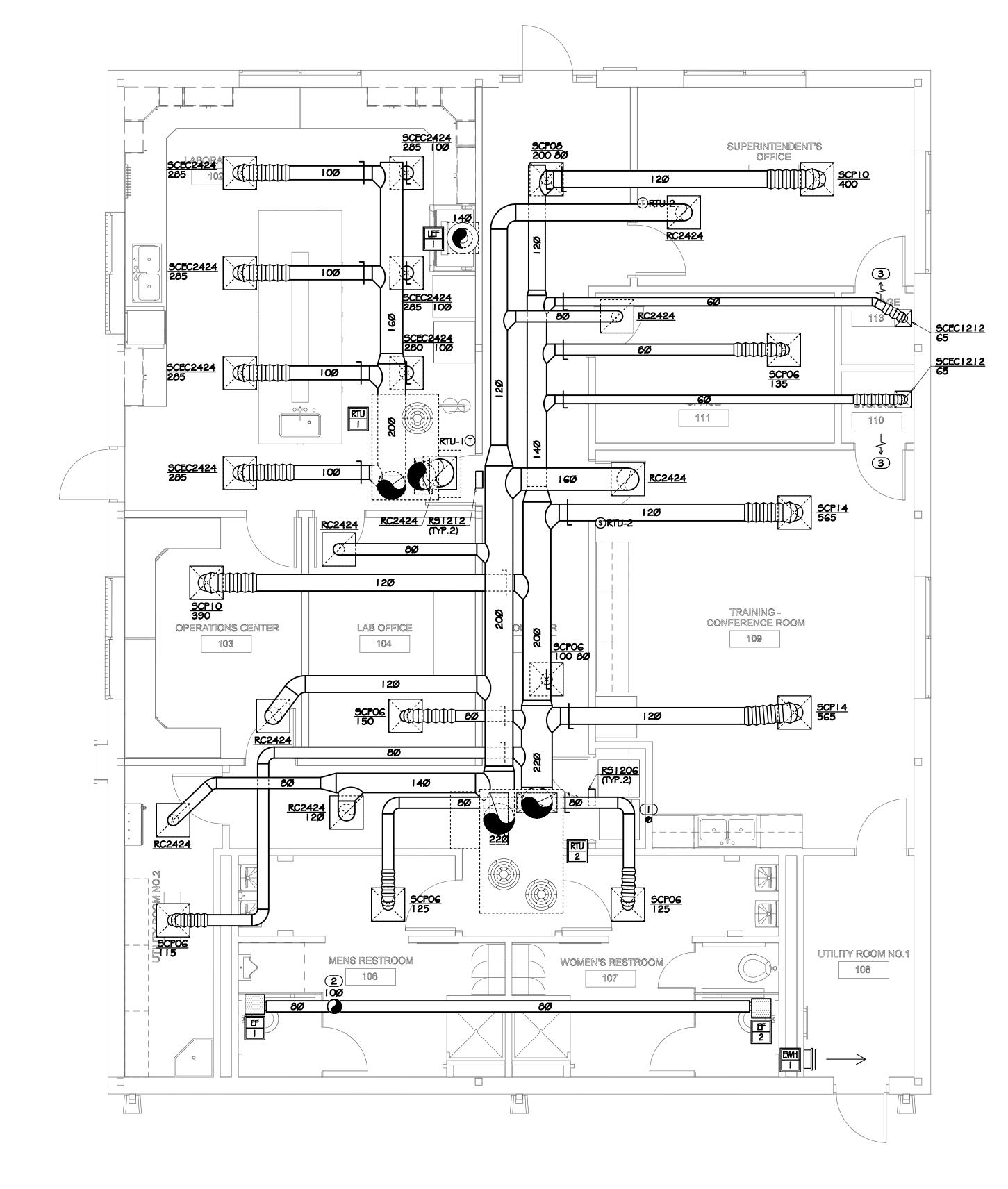
SCHEDULES



- A. EACH SUPPLY DIFFUSER/REGISTER RUNOUT SHALL BE PROVIDED WITH A VOLUME DAMPER. REFER TO THE DIFFUSER TAKE-OFF DETAIL FOR ADDITIONAL INFORMATION.
- B. DRAWINGS ARE DIAGRAMMATIC ONLY; FINAL ROUTING OF DUCTWORK AND EQUIPMENT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL OFFSETS, ELBOWS, ETC. SHALL BE PROVIDED AND INSTALLED WITHOUT ADDITIONAL COST TO THE OWNER.
- C. ALL EXHAUST TERMINATIONS SHALL BE LOCATED A MINIMUM OF 10'-O" AWAY FROM MECHANICAL AIR INTAKES AND A MINIMUM OF 3'-O" AWAY FROM OPERABLE BUILDING
- D. ALL ROOFTOP EQUIPMENT SHALL BE LOCATED A MINIMUM OF 10'-0" AWAY FROM ROOF EDGE. WHERE CLEARANCE CANNOT BE MET, FALL PROTECTION SHALL BE REQUIRED.

KEYNOTES

- 4"Ø DRYER EXHAUST DUCT ROUTED FROM WALL BOX TO EXTERIOR ROOF CAP WITH INTEGRAL BACKDRAFT DAMPER. REFER TO DETAILS.
- (2) EXHAUST DUCT ROUTED TO EXTERIOR ROOF CAP WITH INSECT SCREEN.
- 3 UNDERCUT DOOR 3/4".





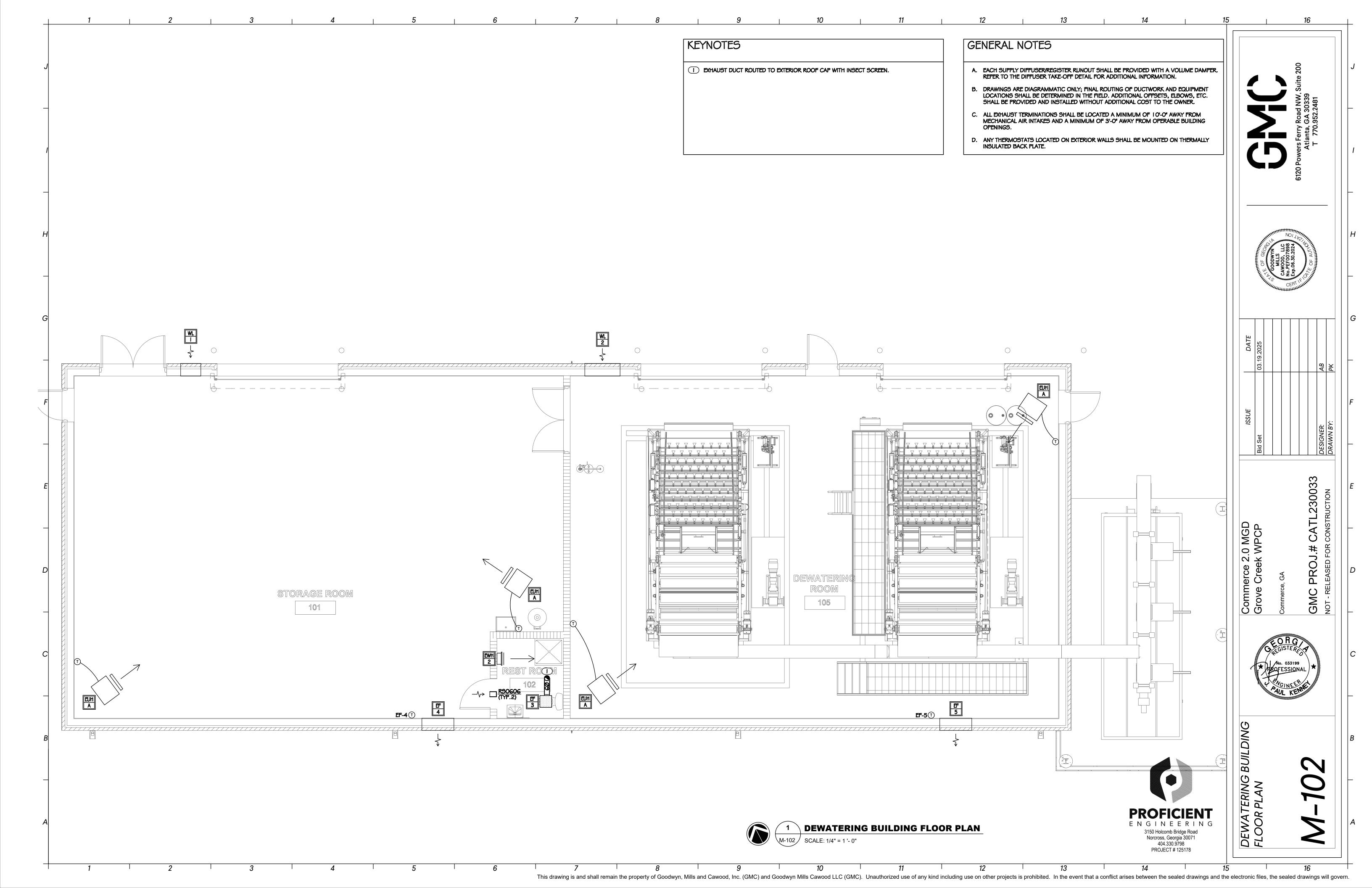


ADMIN BUILDING FLOOR PLAN

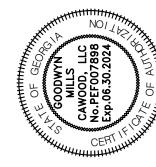
M-101

GMC PROJ.# CATL230033

Commerce 2.0 MGD Grove Creek WPCP







DATE	03.19.2025				AB
ISSUE	Bid Set				DESIGNER:

Commerce 2.0 MGD Grove Creek WPCP



GMC PROJ.# CATL230033



PROFICIENT
ENGINEERING
3150 Holcomb Bridge Road
Norcross, Georgia 30071
404.330.9798
PROJECT # 125178

GENERAL NOTES

- A. EACH SUPPLY DIFFUSER/REGISTER RUNOUT SHALL BE PROVIDED WITH A VOLUME DAMPER. REFER TO THE DIFFUSER TAKE-OFF DETAIL FOR ADDITIONAL INFORMATION.
- B. DRAWINGS ARE DIAGRAMMATIC ONLY; FINAL ROUTING OF DUCTWORK AND EQUIPMENT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL OFFSETS, ELBOWS, ETC. SHALL BE PROVIDED AND INSTALLED WITHOUT ADDITIONAL COST TO THE OWNER.
- C. ANY THERMOSTATS LOCATED ON EXTERIOR WALLS SHALL BE MOUNTED ON THERMALLY INSULATED BACK PLATE.

KEYNOTES

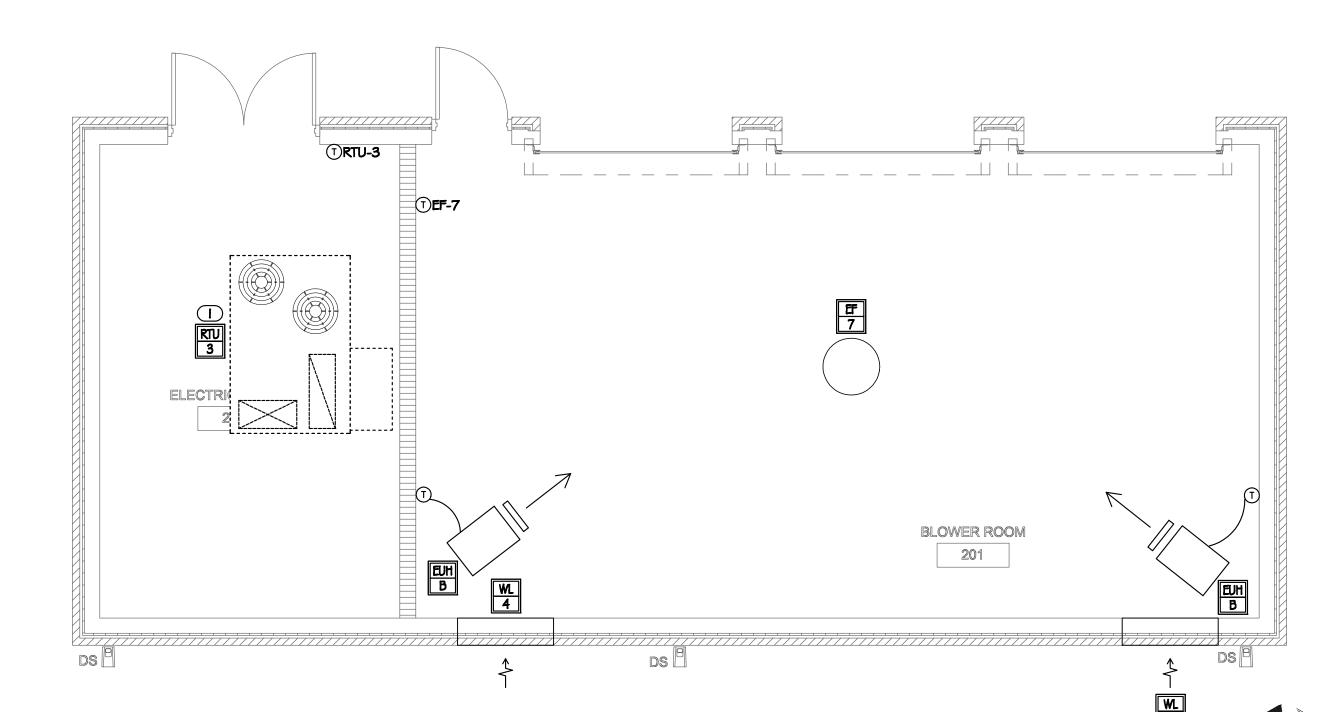
- (1) CHEM LINES SHALL BE HEAT TRACED AND INSULATED.
- 2 TANK INSULATION PANEL.

GENERAL NOTES

- A. EACH SUPPLY DIFFUSER/REGISTER RUNOUT SHALL BE PROVIDED WITH A VOLUME DAMPER. REFER TO THE DIFFUSER TAKE-OFF DETAIL FOR ADDITIONAL INFORMATION.
- B. DRAWINGS ARE DIAGRAMMATIC ONLY; FINAL ROUTING OF DUCTWORK AND EQUIPMENT LOCATIONS SHALL BE DETERMINED IN THE FIELD. ADDITIONAL OFFSETS, ELBOWS, ETC. SHALL BE PROVIDED AND INSTALLED WITHOUT ADDITIONAL COST TO THE OWNER.
- C. ALL EXHAUST TERMINATIONS SHALL BE LOCATED A MINIMUM OF 10'-O" AWAY FROM MECHANICAL AIR INTAKES AND A MINIMUM OF 3'-O" AWAY FROM OPERABLE BUILDING
- D. ANY ROOF-MOUNTED EQUIPMENT LOCATED WITHIN 10'-0" OF ROOF EDGE SHALL BE PROVIDED WITH FALL PROTECTION.
- E. ANY THERMOSTATS LOCATED ON EXTERIOR WALLS SHALL BE MOUNTED ON THERMALLY INSULATED BACK PLATE.

KEYNOTES

REFER TO DROP BOX DETAIL.

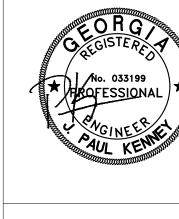












BLOWER BUILDING PLANS

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3150 Holcomb Bridge Road
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404.330.9798
PROJECT # 125178