TEST AND BALANCE VARIABLE VOLUME UNIT SCHEDULE (EXISTING VVT'S)	4 AIR DISTRIBUTION	5 6 HVAC NOTES	GENERAL NOTES	ျ <u>က</u> ျပ ။
DESIGNATION VVT-13.1 VV	VT-13.2 WT-13.4 WT-13.5 WT-13.6 WT-13.7 WT-13.8	Arib RECTANGULAR SHEET METAL DUCT	1. INSTALL DUCTWORK, PIPING, ETC. AS HIGH AS POSSIBLE ABOVE CEILING.	DEVICE IN THE LARGE AND A LEG DEVICE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFERE TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIRENSIONS.	125
DESIGN AIR QUANTITIES IN 10	8 12 12 10 8 12 12		 COORDINATE LOCATION OF ALL EQUIPMENT, DUCTWORK AND PIPING INSTALLATIONS WITH ELECTRICAL TO PROVIDE THE REQUIRED CLEARANCES AROUND ALL ELECTRICAL PANELS, SWITCHGEAR, ETC 		
MAXIMUM AIR FLOW CAPACITY CFM 1400	900 2000 2000 1400 900 2000 2000	ROUND SHEET METAL DUCT	 INSTALLATION OF EQUIPMENT, DUCTWORK AND PIPING SHALL PROVIDE CONVENENT ACCESS FOR REMOVAL OF FILTERS AND FOR MAINTENANCE. 	 FELD VERIFY DIVENSIONS AND CONDITIONS. IF THE CONTRACTOR IS UNKALE TO INTERPRET THE CONTRACT DOCUMENTS, HE RESPONSIBLE TO REQUEST CLARENATION IN WRITING TO THE ARCHTECT. IF HE PROCEEDES WITH MAY WORK BRODE OBTAINING CLARENATION, HE SHULL BE HELD RESPONSIBLE FOR DEFICIENCIES ASSOCIATED THEREMITH. 	POWER DECEMBER 1
	220 520 420 340 190 1060 1890 150 330 330 230 150 330 330	RECTANGULAR SHEET METAL DUCT WITH INTERNAL LINER	DUCT SIZES GIVEN ARE SHEET METAL SIZES. COORDINATE EXACT LOCATIONS OF AIR DISTRIBUTION EQUIPMENT WITH THE CELLING AND THE LIGHTING	 BEFORE SUBMITING FOR THE WORK, EACH BIDDER WILL BE RESPONDED. TO EXAMPLE THE PREMASES AND SATISFY HUSELF AS TO THE EXISTING COMPILITIONS UNDER WINCH HE WILL SE COLLARTED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWINCE WILL SUBSCIENTLY BE MADE IN THIS CONNECTION DEBNILL FOR THE CONTRACTOR FOR ANY EBROR OR CONSISTION OF HIS MATH. 	이 있어 🖥
HOTES:		HIHHHH FLEXIBLE RUNOUT DUCT	CONTRACT DESCRIPTION OF A CONTRACT OF A		
2. PROVED TESTING AULETING AND ELAUCED FOR WORK IN ACCORDANCE MTH SPECIFICATIONS. 3. DISTING CONTROLS AND SEQUENCE TO REMUNE. 4. COORDINATE CALIBRATION OF WIT BOXES MTH CONTROL CONTRACTOR.		ROUND OR RECTANGULAR TAKE-OFF HTTING WITH BALINKING DAMPER - SEE DETAL BIM022	7. THE CEILING DIFFUSERS SHALL BE 4-WAY THROW UNLESS OTHERWISE NOTED.	 THE CONTRUCTOR SHALL PAY FOR INSPECTION FEMILY, CERT FLOATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENE FEES IN CONNECTION WITH HIS WORK. GRIEBAL CONTRACTOR SHALL BE RESPONSELE FOR COOREINATING WORK OF SUBCONTRACTORS TO AVOID 	OA .
SINGLE DUCT TERMINAL BOX DESIGNATION AND		SUPPLY AR DUCTWORK SECTION RETURN OR EXHAUST OR OUTSIDE AR DUCTWORK SECTION	8. PRODE NEW AR FLIESS IN EACH LIKE RECIPIENT LIKES WHEIT THE PROJECT IS READY FOR TEST AND BRUAKES, DO NOT OFFICIAL DIATS WITHOUT INTERS DAPING CONSTRUCTION. REV. PLC. PLTERS DAPING CONSTRUCTION. REV. PLC. PLTERS DAPING CONSTRUCTION ACCOUNT OF THE MONUFACTURER'S RECOMMENDATIONS, SEAL ALL OPEN ENDS OF DUCT WORK CARN'S CONSTRUCTION.	WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUDELINES.	
	BALANCE CHART - NO HEAT		DUCT WORK DURING CONSTRUCTION. 9. VACUUM CLEAN THE INTERIOR OF ALL HVAC EQUIPMENT AND DUCTWORK.	 ERECT AND INVITAIN REASONABLE PRECAUTIONS FOR SWETY AND HEALTH INCLUDENCE FOR TING DAVAGER SIGNS AND OTHER WARDINGS ADURING THAZARDS INCLUDING PROMUGATING SWETY REGULATIONS. PROVIDE SWETY PRECAUTIONS ON D BARRACEMPS FOR FEDERSTING AT CONSTRUCTION WEIGHT ACCESS 	Scott T. Craig. Jr., State of F
-	TERMINAL UNIT DESIGNATION VVT-13.10 PRIMARY AR VALVE		10. WHEREVER THE DEPTH OF THE TRUNK DUCT IS LESS THAN THE ROUND RUNOUT DUCT DIVINETER, PROVIDE TRANSITION HITTING OF EQUIVALENT AREA TO THE RUNOUT DUCT.	Allo Edica Edicitiona.	Professional Engineer, Licens 73938
-	NOMINAL AIR VALVE DIAMETER IN. 6	AIR BALAYONG DAMPER (MOTORIZED) DUCT ELBOW WITH SINGLE THICKNESS TURNING WAKES	 WHERE ROUND DUCT IS INDICATED ON PLANS, USE SPIRAL WOUND DUCTWORK. "SNAPLOCK" DUCTWORK IS NOT ACCEPTABLE. 	 COORDINATE AND SEQUENCE DEWOLITION, CLEANING AND CONSTRUCTION WORK, SUBNIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE. 	This item has been electroni and sealed by Scott T. Crail on 10/26/2018 using a Digita
	AIR VALVE MINIMUM AIR FLOW LIMIT CFM 80	DOUT FEDORING THRANESS TURNING YANGS SQUARE CELLING SA DEFUSER AND AR PLOW (CFM) (SE SCHEDULE FOR SIZES UNLESS NOTEO OTHERWISE)	 PROVIDE 3 DIAMETERS OF STRAIGHT DUCT AT INLET TO VAV BOXES. DUCT SIZE SHALL BE SAVE AS BOX INLET. IF INLET DUCT LENGTH EXCEEDS 5 FEET, IMCREASE INLET DUCT SIZE BY 4" UP TO 3 FEET FROM BOX INLET. 	 THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT NANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK. 	Signature. Printed copies of this docum
	MAXINUM TOTAL UNIT PRESSURE DROP IN: H20 0.25 MAX: RADIATED SOUND RATING @ 1" INLET PRESSURE NC 25		13. PROVIDE FLEXELE DUCT CONNECTIONS AT EACH EQUIPMENT CONNECTION. 14. IT IS RECOMMENDED THAT DUCTWORK BE FABRICATED FROM FIELD MEASUREMENTS TAKEN AS THE BUILDING	 THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIAS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF EOUPPuelt YAOM MATERIAS. 	E considered signed and seale signature must be verified or electronic copies.
	MAXINUM OCCUPED COOLING DESISN ARFLOW CFM 220 MININUM OCCUPED COOLING DESISN ARFLOW CFM 80	RAG RECTANGULAR UNDUCTED RA GRILLE (22:02 FOR 21:2"	STRUCTURE AND SPACE COMPETING SYSTEMS ARE PROGRESSIVELY INSTALLED. THE DUCTWORK AS SHOWN	11. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK EN IRROMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYNENT IS MADE.	JU
F	DETAIL REFERENCE ANNO22	440 SA SLOT DIFFUSER WITH PLENJINBOOT (AR FLOW INDICATED)	MULEHIALI MAN REQUIRED TO AVCID THESE INTERPERENCES. BEFORE PARITALITIS AND DURING, CHECK THE PHYSICAL CONTITIONS AT THE JUGS BITE AND MARC FLAVIDES IN CORSS SECTIONS, ROUTING, OFFSETS AND SMILLAR ITEMS WHETHER SPECIFICALLY INDICATED OR NOT. VERIFY THAT SUFFICIENT CLEARANCES ARE	12. THE CONTRACTOR SHALL FURNISH "AS BUILT" DRAWINGS TO THE ARCHITECT AT COMPLETION OF CONSTRUCTION.	
		NEW DUCT	of THE CORFIGURE INCOMPARETER SUGARANTY AND DOES OF RECEIVENT INCLUDE LL CONTROL CONTROL AT THE CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL THE PROPERTY CONTROL AT THE CONTROL CONTROL CONTROL CONTROL CONTROL THE PROPERTY CONTROL AT THE CONTROL CONTROL CONTROL CONTROL CONTROL THE CONTROL FOR CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL FOR CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL	 CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRVAMINGS, PRODUCT DATA, SAMPLES AND SINULAR SUBMITAS CONTINES THAT THE CONTRACTOR HAS COMPLED MITH THE CONTRACT DOCUMENT REQUIREMENTS REALTED TO SHOP DRVMANS, REDUCT DATA FOR SUMPLES. 	
	SINGLE DUCT TERMINAL BOX DESIGNATION AND	EXISTING DUCT TO REMAIN	15. APPLY EXTERNAL INSULATION TO SINGLE WALL SUPPLY DUCTS PER SPECIFICATIONS.		1 H EAST SH AVENU TALLAHASSEE, FL 323 PHONE 853234 T822
ļ	BALANCE CHART - ELECTRIC HEAT		16. ALL EXISTING EQUIPMENT TO REIVAIN SHALL BE THOROUGHLY CLEWIED, GREASED AND LUBRICATED. 17. INSTALL NEW BELT ON AIR HANDLING UNT ASSOCIATED WITH SCOPE OF WORK.	In the contractor shall, but the related or resolved in this rank resolved in the relation of the contractor shall be related or resolved in the relation of the relation o	NVVU SECuprove Inguine HEE PROJECT No. 18-3 THIS DOCUMENT IS THE PROF HEE PROJECT OF SECURITY NETRUNKET OF SECURITY NETRUNKET OF SECURITY NETRUNKET OF SECURITY
	PRIMARY AIR VALVE	EXISTING MATERIALS TO BE REMOVED	NSTALL NEW BELT ON AR HANDLING UNIT ASSOCIATED WITH SCOPE OF WORK. N PATCH ALL BREAKS, TEARS AND YOD'S IN EXISTING EXTERNAL DUCT INSULATION. SEAL INSULATION USING ALL DIMUM INTERFET TARE	AWARD CLARANGER HAS SINGLAW WITH LIN APPROVAL TO THE SPECIFIC DEVIATION THE CONTRACTOR SHALL NOT BE RELEVED OF RESPONSIBILITY FOR ERRORS OF ONESSINS IN SINGLAW SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMLAR SUBMITTALS BY THE ARCHITECT/ENGINEERS APPROVAL THEREOF.	MUN RESIDENT, N., DO
	NOMNAL AR VALVE DIVINETER IN. 10 AR VALVE DAVIDETER CONCEPTOR OF 10 AR VALVE MAXIMUM AR FLOW CAPACITY CFM 5400 AD DUAL CONCEPTOR OF 10	VVT-00 SINGLE DUCT VAY TERMINAL UNIT WITH ELECTRIC REHEAT SEE DETAIL AMAGE.	18 COORDINATE ALL DUCT TEST WITHESSING WITH LOCAL MECHANICAL INSPECTOR.	15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, OR OTHER WALL MOUNTED FURNISHINGS.	Parita Carificate of Autoritat Scott T. Cralg.Jr., P.E. 473
	AR VALVE MIMIUM AR FLOW LIMIT CFM 240 MAXMUM TOTAL UNIT PRESSURE DROP IN 1/20 0,25	SINCLE DUCT VAY TERMINAL UNITS SEE DETAIL AMADO	20. PRIOR TO FINAL INSPECTION, PROVIDE CERTIFIED TEST & BALANCE REPORT AND OPERATIONS & MAINTEMANCE MANUALS TO THE OWNER.	 NOTE ANY SPECIAL REQUREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. CISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY INTO THE BUILDING AND EQUIPMENT ROOMS. 	D
	MAX. RADIATED SOUND RATING @ 1" INLET PRESSURE NC 30 MAXIMUM OCCUPED COOLING DESIGN ARFLOW CFM 1310	VVT-00 DUCT MOUNTED SMOKE DETECTOR (PROVIDED BY ELECTRICAL, INSTALLED BY MECHANICAL CONTRACTOR)	 DUCT CONSTRUCTION, INCLUDING SHEET METAL THICKNESSES, SEAM AND JONT CONSTRUCTION REINFORCEMENTS, MOL HANGERS AND SUPPORTS, SHALL COMPLY WITH SMACKINS "HVAC DUCT CONSTRUCTION STRUMARDS, VEHAL AND FLEGIBLE DUCT." 	17. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE.	
	MININUM OCCUPED COOLING DESIGN ARFLOW CFM 240 MAXINUM HEATING DESIGN ARFLOW CFM 560			18. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FRE, SWOKE, AND ACOUSTICAL WALL ASSEMBLIES. 19. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENSINEER, BEAM SLEEVES AND	
-	NINNUM HEATING DESIGN ARFLOW CFM 240 HEATING COLL DATA		VENTILATION RATE	BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.	
	COIL ENTERING & LEAVING AIR TEMPERATURE "Fdb 15db 55:00 CAPACITY & STAGES KW - # 6.2-SCR	·	EXAUST OUTSIDE AR VENTILATION AR TYPE OF SPACE CENTET CEMPERSON CEMPERSON	20. CONTRACTOR SHALL FURNISH ULL APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PONETRATION BY DUCTS, FIRES OR CONDUTS, THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DUMING CONFIDENCIATION. SEE SECREPTICATIONS.	
	TYPE ELECTRIC ELECTRICAL CHARACTERISTICS VIPH 22771	PIPING AND FITTINGS	OFFICE SPACE 5 15	21. CONTRACTOR SHALL GLARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL	 OFFICE OF THE STATE ATTORNEY, OFFICE OF THE STATE ATTORNEY, SECOND JUDICIAL CIRCUIT 4th Floor Renovation, 301, Suide 433 301, Suide Str.
	DETAIL REFERENCE AM002	C	VENTIANTION RATES CALCULATED PER REQUREMENTS OF FLORIDA EXISTING BUILDING CODE 2017, 808.2 ALTERED EXISTING SYSTEMS.	SLIPPLIERS AND MADLIFACTURERS	
		CHILED WATER SUPPLY PIPING CHAR CHILED WATER RETURN PIPING	DESIGN CONDITIONS	22. THE BUILDING WILL REMAIN COCUPED DURING CONSTRUCTION. THE OWNER WILL MAKE REASONAULE EFFORTS TO ASSIST THE CONTRACTOR IN COMPLETING THE WORK. COORDINATE WORK WITH THE OWNER'S DESIGNATED REPRESENTATIVE.	
		HENRYS HEATING HOT WATER SUPPLY PIPING	ULTROOP CONDITIONS	23. EXIT WAYS SHALL BE KEPT OLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DESCTIONAL SISKS FOR TEMPORARY EXITING NO SAFETY.	. ₩ ₩ 1
		HAR HEATING HOT WATER RETURN PIPING	SUNMER TEMPERATURES 'Fob: 'Fob: 96-78	24. REMOVE AND RE-INSTALL EXISTING CEILING THE AS REQUIRED. REPLACE ANY THE DAMAGED OR SOLED DURING CONSTRUCTION.	Ĩ. E. S.
		UNION UNION FLEXIBLE PPE CONNECTION	DEHUMCHICATION TEMPERATURES *Fds:*Fwb 68-79 WINTER TEMPERATURE *Fdo 25	25. PROVICE PROPER PROTECTIVE MEASURES TO PROTECT EXISTING FURNITURE. CARPET AND FINISHES DURING THE COURSE OF CONSTRUCTION, TAKE CARE NOT TO DAMAGE EXISTING SURFACES. REPAIR TO MATCH EXISTING CONDITION AS REQUIRED.	
		FLOW DIRECTION IN PIPE	INDOORS	28. SEAL HOLES IN WALLS, CEILINGS, FLOORS, ETC. TO MATCH EXISTING ADJACENT SURFACES WHERE	
		EXISTING PPE TO REMAIN OUCT TRANSITION	SUMMER TEMPERATURES 'Fdb-'Fwb 75-63	ELIXPHILET, LONGIN AND/CK FFMG ANE, REMARKED. 2. EXISTING CONTRACT, STAR FOR PROPERTY OF THE OWNER AND SHALL BE DISPOSED OF AS DRECTED BY THE OWNER, OBFOSE OF ALL INSTERIALS AND EQUIPMENT SHOWN TO BE REMOVED IN ACCORDANCE WITH LOCAL REGULATIONS.	ERVICE BUTHE BUTHE CULARE LAWS LAWS LAWS LAWS LAWS
			WINTER TEMPERATURE "Fdb 70	28. ITEMS REMOVED AND SAVED FOR REUSE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.	 の乏を送めたたごま
				CONTRACTOR SWALL DENTIFY ANY DEFECTIVE INATEMALS PRIOR TO DEMOLITION. CONTRACTOR SWALL BE RESPONSED FOR ALL DAMAGE TO MATERIALS AT PROJECT COMPLETION NOT IDENTIFIED PRIOR TO DEMOLITION	UMENTS OF DRAWINGS) RE THE PRO CODSTONE OF CTED BY SIT AUCTION OF SWUKES OF SWUKES OF
		MEASUREMENTS AND CONTROLS	CEILING SUPPLY DIFFUSERS	28. RELOCATE, AS REQUIRED, MY EXISTING WIRE AND CONDUIT WHICH INTERPERES WITH INSTALLATION OF THE NEW WORK.	STRUM STRUM
		VVT BOX THERMOSTATITEMPERATURE SENSOR DRECT DISINAL CONTROL PAVEL	SYNBOL CFM HECK MHNAUM MADD LIVIN	30. REMOVE ELECTRICAL EQUIPMENT (CONDUT), POWER & CONTROL WIRNS, DISCONNECT SWITCHES, STARTERS, ETC.) RELATED TO EQUIPMENT BEING REMOVED OR REPLACED.	AS NSTF THESE DESIGN A ARCHITEL PROTE FEDERV REPRO
		Except DREDT UNTITLE CATEROL PAREL	Size III SPACING CELING CELING		MENTS
			X 40-80 6°0 4'-5 12x12 24x24 X 85-180 6°0 4'-8 12x12 24x24	ABBREVIATIONS	WENTS
			1165 340 1070 8 · 107 24x24 X 345 500 1270 9 · 107 24x24 24x24	AFF ABOVE FINDSHED FLOCR H-W HEATING HOT WATER AVM AS HIGH AS POSSIBLE HP HEAT PURP KIT OR HORSEPOWER AVM AR WINDLING VMT N N BD BLAUCHSIG SUMPER MS NOT IN SCOPE BTUH BITUH BRITIS HERMULUING VMT NA NAT PARTUALELE	RAWIN RAWIN ROUCION ROUCION
		POVITION CONTRECTION, NEW TO EXISTING PONITINGCATES LIMIT OF DEMOLITION	D 365-500 1270 9'-10' 24624 24624 D 505-600 14'0 10'-12' 24624 24424	AND AS HIGH AS POSSIBLE HP HEAT POWEUNITIC OR HORSEPOWER AHJ ARKHEDING UNT H HCHES BD BLANCHG DAMPER NS NOT IN SCOPE BTUH AS TROPING HORSEN NS NOT IN SCOPE BTUH BRITISH TREMUL WITS PER HOUR NA NOT APPLICABLE C CONDERATE QA QUISICE AR	MISSIO URED D ONSTR CONSTR 20NST
			NOTE: 1. RUNOUT DUCTS TO DIFFUSERS SHALL BE THE SAME SIZE AS THE INDICATED NECK SIZE.	CC COOLING COL RA RETURN AIR P	SUB 80% 80% C 100% C PERM REV
				CHW CHILLED WATER SA SUPPLY AR DDC DIFECT INSTAL CONTROL PANEL SF SUPPLY TAN DN DOWN SNS SHET INSTAL CONTROL PANEL EX EXSTINC SNS SHET INSTAL CONTROL PANEL	0ATE 15/2018 11/2018 26/2018 26/2018 26/2018
				1546 DEGREES FAHRENHEIT ORY BUUS TYP TYPICAL 1546 DEGREES FAHRENHEIT WET BUUB UNO UNLESS NOTED OTHERWISE 1559 DECT DEG MUNITE	000/10/2001 °
				FPM FEETFER INDUTE V VULVE FT FEET VAV VARABLE VILVIE HC HEATING COL VVT VARIABLE VOLUNE TERMINAL UNIT	OULES
					L NOTES, SCHEDUL
		1		DRAWING INDEX	N Z Q
				DIVINING INDEX	
				M01 GHERM, NIES, LEGENS & SOEDLES M02 SPEERATIONS & GETALS M01 PRETM, FORKTH CONTRAL - SEEMATION M01 PRETM, FORKTH CONTRAL - SEEMATION M01 M011111 M01 SMERTH CONTRAL - SEEMATION M01 M01111	







