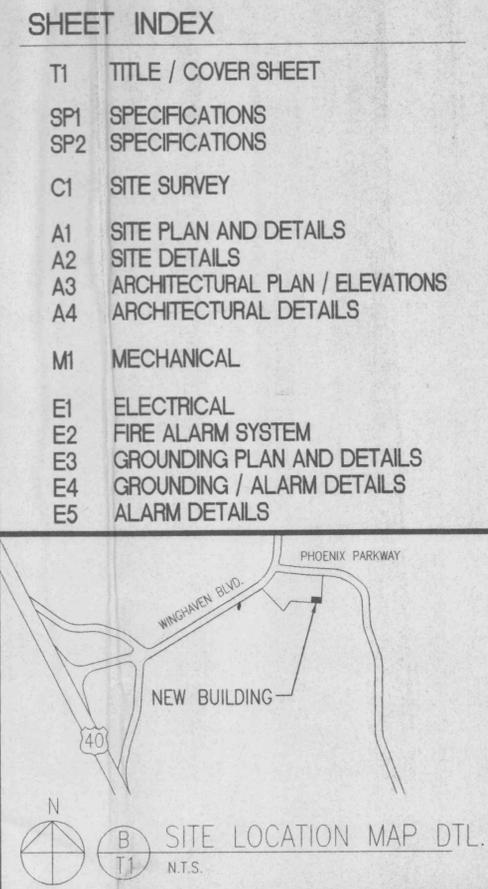
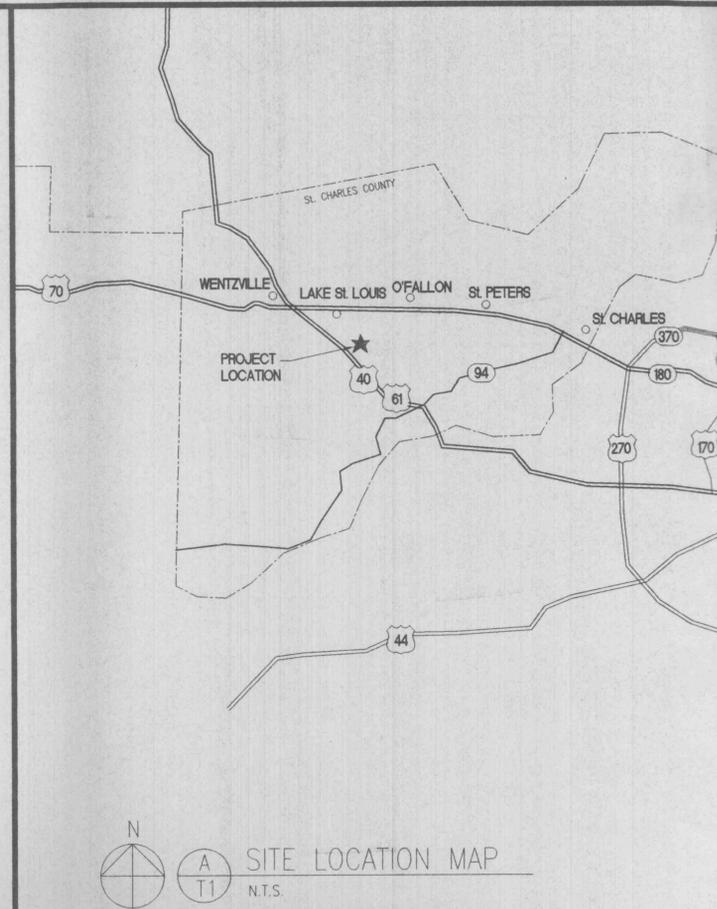


GTE NORTH, INC. NEW R.S.U. BUILDING WINGHAVEN DEVELOPMENT 7900 PHOENIX PARKWAY O'FALLON, MO

EXCHANGE NO. 1223-006



SHEET INDEX

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Revision	Date	No.
CORRECTIONS	06-08-00	1
ROOFING INSULATION	06-12-00	2
REVISIONS PER CITY	07-20-00	3
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Notice
NO PART OF THESE PLANS AND/OR PROJECT MANUAL MAY BE REPRODUCED, COPIED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM BY ANY MEANS WITHOUT PRIOR WRITTEN PERMISSION OF MITZEL + SCROGGS ARCHITECTS, INC.

DRAWINGS SHALL NOT BE SCALED. QUESTIONS ON DIMENSIONS SHALL BE REFERRED TO THE ARCHITECT'S OFFICE.
CONTRACTORS SHALL VERIFY AND COORDINATE ALL DIMENSIONS, DETAILS, AND JOB CONDITIONS.

Zoning & Codes
Zoning:
Use Group: H.T.C.D. 3
Parking: provided - 4
Parking: required - (unlisted) 4
Building Code: BOCA 1996
Code: 1A-PROTECTED NON COMBUSTIBLE
Occupancy Classification: B-BUSINESS
Occupancy Load: BUSINESS- 2
Seismic: Av = 0.15
Aa = 0.10

Owner Approval
I approve these plans and specifications after having made a thorough, complete review. The construction documents conform to my stated requirements. All revisions subsequent to this date and cost modifications must be approved in writing prior to actual revision. Failure by the contractor to obtain the Owner's approval prior to implementing will forfeit the Owner's payment for said revision.

STANDARD ABBREVIATIONS

∠	ANGLE	DN	DOWN DOOR	MEZZ	MEZZANINE	STD.	STANDARD
AT	AT BUILDING LINE	DR.	DOWNSPOUT	MFR.	MANUFACTURER	S.S.T.	STAINLESS STEEL
CC	CENTER LINE	D.S.	DRAWING	M.H.	MAN HOLE, METAL HALIDE	ST.S.	STORM SEWER
ACC	AIR COOLED CONDENSER	DWG.	DRAWING	MIR.	MIRROR	STL.	STEEL
ACU	AIR COOLED CONDENSER UNIT	EA.	EXHAUST FAN	MISC.	MISCELLANEOUS	STR.	STRUCTURAL
ACOUS.	ACOUSTICAL	EF	EXPANSION JOINT	M.O.	MISCELLANEOUS OPENING	SUSP.	SUSPENDED
AD.	ADJUSTABLE	EJ	ELECTRIC	M.R.	MOISTURE RESISTANT	SYM.	SYMMETRICAL
ADJ.	ADJUSTABLE	ELEV.	ELEVATION	M.S.	MOP SINK	SYN. PLAS.	SYNTHETIC PLASTER
A.F.U.	ABOVE FINISH FLOOR	EM.	EMERGENCY	MTG.	MOUNTED	T	TREAD
A.H.U.	AIR HANDLING UNIT	EQUIP.	EQUIPMENT	MTC.	MOUNTING	T&B	TOP AND BOTTOM
ALT.	ALTERNATE	EACH WAY	ELECTRIC WATER COOLER	MTL.	METAL	T.C.	TOP OF CURB/CONCRETE
ALUM.	ALUMINUM	EXIST.	EXISTING	MULL.	MULLION	TEL.	TELEPHONE
ANCH.	ANCHOR	EXT.	EXTERIOR	N.L.C.	NOT IN CONTRACT	TEMP.	TEMPERATURE
AND.	AND	F.A.	FIRE ALARM	NO.	NUMBER	TER	TERRAZZO, TERRACE
APPROX.	APPROXIMATE	F.B.O.	FURNISHED BY OWNER	NOM.	NOMINAL	T.F.	TOP OF FOOTING
A.P.	ACCESS PANEL	FR.	FRAME	N.T.S.	NOT TO SCALE	T.F.L.	TOP OF FLOOR
ARCH.	ARCHITECTURAL	F.D.	FLOOR DRAIN	O.A.	OUTSIDE AIR	T&G	TONGUE AND GROOVE
B	BOILER	F.E.	FIRE EXTINGUISHER	O.C.	ON CENTER	THRESH.	THRESHOLD
BIT.	BITUMINOUS	F.H.	FIRE HYDRANT	O.D.	OUTSIDE DIAMETER	T.J.	TOP OF JOIST
B/Y/F	BACKFLOW PREVENTER	FIN.	FINISH	OFF.	OFFICE	T.S.	TOP OF SLAB
BLDG.	BUILDING	FIN.	FINISH	O.H.	OVERHANG, OVERHEAD	T.W.	TOP OF WALL
BLKG.	BLOCKING	FL.	FLOOR	OPNG.	OPENING	TYP.	TYPICAL
BM.	BENCH MARK	FR.	FRAME	OPP.	OPPOSITE	U	URINAL
B.O.	BY OWNER	FR.	FRAME	PART.	PARTITION	U.H.	UNIT HEATER
BR.	BRICK	F.R.	FIRE RATED	P.E.	POREGLASS ENAMEL	U.P.	UTILITY POLE
BSMT.	BASEMENT	FUT.	FUTURE	PL.	PLATE	URT.	URETHANE
B.S.	BAR SINK	G	GAS	P-LAM.	PLASTIC LAMINATE	V.B.	VINYL BASE
B.U.R.	BUILT-UP-ROOFING	GA.	GALVE	PLS.	PLASTER	V.C.B.	VINYL COVERED BASE
C.A.	COMBUSTION AIR	GALV.	GALVANIZED	PND.	PLYWOOD	V.C.T.	VINYL COMPOSITION TILE
CAB.	CABINET	G.B.	GRAB BAR	POL.	POLISHED	V.F.	VINYL FLOORING
CARP.	CARPET	G.C.	GENERAL CONTRACTOR	PR.	PREPARED	V.S.B.	VINYL STRAIGHT BASE
C/B	CIRCUIT BREAKER	GL.	GLASS, GLAZING	PRE-FIN.	PRE-FINISHED	VERT.	VERTICAL
C/C	COOLING COIL	GR.	GRADE, GROUNDED	PREP.	PREPARATION	VEST.	VESTIBULE
CEM.	CEMENT	G.P.	GRADE, GROUNDED	PROJ.	PROJECTION	V.P.	VACUUM PUMP
C.G.	CORNER CAURD	GYP. BD.	GYP. BOARD	PAINT	PAINT	VTR.	VENT THRU ROOF
C.I.	CAST IRON	H/C	HEATING COIL	PVC	POLY-VINYL CHLORIDE	V.V.C.	VINYL WALL COVERING
CJ	CONSTRUCTION JOINT	H.C.	HOLLOW CORE, HANDICAPPED	Q.T.	QUARRY TILE	VAC.	VACUUM
C.L.	CENTER LINE	H.D.	HEAT DETECTOR	Q.T.B.	QUARRY TILE BASE	W	WATER
CLG.	CEILING	H.O.W.	HARDWARE	R	RISER, RADIUS	W/C.	WATER CLOSET
CLR.	CLEAR	HW.D.	HARDWOOD	R.D.	ROOF DRAIN	W.D.	WOOD
CLD.	CLOSED	H.M.	HOLLOW METAL	REC.	RECESSED	W.D.W.	WOOD WINDOW
C.M.U.	CONCRETE MASONRY UNITS	H.H.	HORIZONTAL	REF.	REFERENCE	W.F.L.	WOOD FLOOR
C.O.	CLEAN OUT	H.T.	HEIGHT	REFR.	REFRIGERATOR	W.H.	WATER HEATER
COL.	COLUMN	H.W.	HOT WATER (DOMESTIC)	REINFORCED / -ING	REINFORCED / -ING	W/O	WITHOUT
CONC.	CONCRETE	I.D.	INSIDE DIAMETER	REQUIRED	REQUIRED	W.P.	WATERPROOF
COMP.	COMPRESSOR	I.C.C.	INSTALLED BY GEN. CONTRACTOR	REVISION, REVISED	REVISION, REVISED	W.S.C.	WELDED STEEL
CONF.	CONFERENCE	INS.	INSULATION	ROOM	ROUGH OPENING	W.S.P.	WASHER STAND PIPE
CONST.	CONSTRUCTION	INS. GL.	INSULATING GLASS	R.O.W.	RIGHT-OF-WAY	WT.	WEIGHT
CONT.	CONTRACTOR	I.T.	INTERIOR	RSVF	RESILIENT SHEET VINYL FLOORING	W.W.F.	WELDED WIRE FABRIC
CORR.	CORRIDOR	J.S.	JANITOR SINK	R.V.	RESILIENT SHEET VINYL FLOORING		
CPT.	CERAMIC TILES	JAN.	JANITOR	S	SINK	SAN.	SANITARY
CTS.	COUNTER-SUNK	JT.	JOINT	SAT	SANITARY	S.S.	SUSPENDED ACOUSTICAL TILE
C.W.	COLD WATER (DOMESTIC)	K.S.	KITCHEN SINK	S.C.	SOLID CORE	S.D.	SMOKE DETECTOR
DEPT.	DEPARTMENT	K.O.	KNOCK OUT	S.D.	SOLID CORE	S.O.B.	SOUND DEADENING BOARD
DET.	DETAIL	LAB.	LABORATORY	S.F.	SQUARE FOOT, SQUARE FEET	S.F.	SQUARE FOOT, SQUARE FEET
D.F.	DRINKING FOUNTAIN	LAV.	LAVATORY	SPECS.	SPECIFICATIONS	SECT.	SECTION
DI.	DIAMETER	L.T.G.	LIGHT WEIGHT	S.G.L.	SAFETY GLASS	S.G.L.	SAFETY GLASS
DM.	DIMENSION	L.V.R.	LOUVER	S.H.	SHEET	SIM.	SIMILAR
DISP.	DISPOSAL, DISPENSER	MAS.	MASONRY	SMT.	SHEET METAL	S.M.	SHEET METAL
	DEMOUNTABLE PARTITION	MATL.	MATERIAL	SNT.	SEALANT	S.P.	SPRINKLER
		MAXIMUM	MAXIMUM	SQ.	SQUARE	S.Q.	SQUARE
		M.C.	MEDICINE CABINET	S.S.	SERVICE SINK		
		MECH.	MECHANICAL				
		MEMBRANE	MEMBRANE				
		MET.	METAL				

MECHANICAL SYMBOLS

XXX	MECHANICAL EQUIPMENT PIECE MARK	-CH	CHILLED WATER PIPE
⊖	THERMOSTAT	-C	CONDENSER WATER PIPE
⊕	REMOTE SENSOR	-D	CONDENSATE DRAIN PIPE
⊕	ALARM THERMOSTAT - "HI TEMP & LOW TEMP" MOUNT ON INS. BACK BOX AT 54" A.F.F.	-RL	REFRIGERANT LIQUID PIPE
⊕	HEAT - COOL THERMOSTAT MOUNT AT 54" A.F.F.	-RS	REFRIGERANT SUCTION PIPE
⊕	ALARM HUMIDISTAT - "HIGH HUMIDITY" MOUNT AT 54" A.F.F.	-HG	REFRIGERANT HOT GAS PIPE
⊕	ALARM HUMIDISTAT - "LOW HUMIDITY" MOUNT AT 54" A.F.F.	-RHS	REFRIGERANT SIGHT GLASS
A/B	DUCT SIZE IS OUTSIDE SHEET METAL SIZE - 14 NUMBER IS SIDE SHOWN	⊕	FLOW REGULATOR
⊕	RETURN, EXHAUST, OR OUTSIDE AIR DUCT		
⊕	SUPPLY DUCT		
⊕	ELBOW TURNED DOWN (SUPPLY SHOWN)		
⊕	ELBOW TURNED UP (RETURN SHOWN)		
⊕	ELBOW W/TURNING VANES		
⊕	FLEXIBLE DUCT CONNECTION		
⊕	SUPPLY AIR GRILLE (CEILING OR FLOOR) WITH DISCHARGE DIRECTIONS		
⊕	RETURN AIR REGISTER (CEILING OR FLOOR)		
⊕	SUPPLY GRILLE (WALL)		
⊕	RETURN REGISTER (WALL)		
⊕	RIGID DUCT - SUPPLY (SINGLE LINE)		
⊕	RIGID DUCT - RETURN (SINGLE LINE)		
⊕	INSULATED FLEXIBLE DUCT		
⊕	VOLUME CONTROL DAMPER (MANUAL)		
⊕	MOTORIZED DAMPER		
⊕	FIRE DAMPER		
⊕	SMOKE DAMPER		
⊕	FIRE, SMOKE DAMPER		
-G	NATURAL GAS PIPE		
-LP	LP GAS PIPE		
-	SUPPLY PIPE		
-	RETURN PIPE		
-HR	HEATING WATER PIPE		

PLUMBING SYMBOLS

⊕	FLEXIBLE PIPE COUPLING	⊕	FLOOR DRAIN
⊕	GLOBE VALVE	⊕	HUB DRAIN
⊕	GATE VALVE	⊕	FLOOR SINK
⊕	BALL VALVE	⊕	FREEZE-PROOF HOSE BIBB
⊕	CHECK VALVE	⊕	VENT-THRU-ROOF
⊕	MOTORIZED VALVE (GATE VALVE SHOWN)	⊕	VENT PIPING
⊕	REDUCED PRESSURE PRINCIPLE BACK FLOW PREVENTER	⊕	LP GAS PIPE
⊕	BUTTERFLY VALVE	⊕	NATURAL GAS PIPING
⊕	GAS COCK VALVE	⊕	HOT WATER PIPING (DOMESTIC)
⊕	BALANCE VALVE	⊕	HOT WATER RECIRC. PIPE (DOMESTIC)
⊕	BALANCE VALVE & FLOW MEASURING DEVICE	⊕	COLD WATER PIPING (DOMESTIC)
⊕	TRIPLE DUTY BALANCE VALVE	⊕	SANITARY SEWER
⊕	SOLENOID VALVE	⊕	STORM SEWER
⊕	HOSE BIBB VALVE	⊕	CLEAN OUT - FLOOR
⊕	GLASS STRAINER	⊕	CLEAN OUT - WALL
⊕	FLANGED JOINT	⊕	SHOCK ABSORBERS
⊕	PIPE UNION		
⊕	ELBOW TURNED DOWN		
⊕	ELBOW TURNED UP		
⊕	TEE		
⊕	TEE TURNED UP		
⊕	TEE TURNED DOWN		
⊕	CAPPED END		

ELECTRICAL SYMBOLS

⊕	DUPLEX ELECTRICAL OUTLET	⊕	CEILING FAN
⊕	DUPLEX ELECTRICAL OUTLET WITH GROUND FAULT INTERRUPTER	⊕	MOTOR
⊕	QUADPLEX ELECTRICAL OUTLET	⊕	GARAGE DOOR OPENER
⊕	SPECIAL PURPOSE OUTLET	⊕	PANEL BOARD
⊕	DUPLEX OUTLET - HALF SWITCHED	⊕	DISCONNECT SAFETY SWITCH
⊕	WEATHER-PROOF OUTLET	⊕	MAGNETIC MOTOR STARTER
⊕	FLOOR OUTLET	⊕	MANUAL MOTOR STARTER
⊕	TELEPHONE (POWER) OUTLET - DEDICATED, GROUNDED OUTLET	⊕	MANUAL TRANSFER SWITCH
⊕	PHONE JACK	⊕	TIMER CONTROL
⊕	SWITCH	⊕	CIRCUIT BREAKER ENCLOSURE
⊕	THREE-WAY SWITCH	⊕	JUNCTION BOX
⊕	DIMMER SWITCH	⊕	T.V. JACK
⊕	FAN CONTROL SWITCH	⊕	HOME RUN (NUMBER INDICATES CIRCUIT)
⊕	PUSH-BUTTON SWITCH	⊕	2 #12 W/#12 GREEN GROUND IN 3/4" CONDUIT OR AS INDICATED
⊕	TIMER SWITCH	⊕	GROUND WIRE
⊕	SWITCH W/PILOT LIGHT	⊕	NEUTRAL WIRE
⊕	KEY OPERATED SWITCH	⊕	PHASE WIRE
⊕	JAMB SWITCH		
⊕	DOOR SWITCH		
⊕	WALL MOUNTED INCANDESCENT FIXTURE		
⊕	CEILING MOUNTED INCANDESCENT FIXTURE		
⊕	PULL CHAIN FIXTURE		
⊕	RECESSED FIXTURE		
⊕	RECESSED WALL-WASHER		
⊕	VAPOR-PROOF FIXTURE		
⊕	FLUORESCENT LIGHT FIXTURE		
⊕	FLUORESCENT FIXTURE ON NIGHT-LIGHT CIRCUIT		
⊕	FLUORESCENT FIXTURE ON EMERGENCY CIRCUIT		
⊕	FLUORESCENT STRIP FIXTURE		
⊕	TRACK LIGHTS		
⊕	EMERGENCY LIGHT		
⊕	EMERGENCY EXIT LIGHT		
⊕	FLOOD LIGHTS		
⊕	FLOOD LIGHTS W/PROXIMITY SWITCH		

STANDARD MATERIAL INDICATIONS

⊕	EARTH
⊕	CRUSHED ROCK
⊕	INSULATION (BATT)
⊕	INSULATION (RIGID)
⊕	HARDWOOD (SECTION)
⊕	WOOD FRAMING (SECTION)
⊕	WOOD BLOCKING (SECTION)
⊕	FINISH WOOD (ELEVATION)
⊕	PLYWOOD (SECTION)
⊕	CUT STONE (SECTION)
⊕	MASONRY
⊕	STEEL (SECTION)
⊕	CONCRETE (SECTION)
⊕	CONCRETE BLOCK (SECTION) (AS SCALE ALLOWS)
⊕	CONCRETE BLOCK (PLAN)
⊕	BRICK (SECTION)

FIRE PROTECTION SYMBOLS

⊕	FIRE ALARM BELL & STROBE
⊕	FIRE ALARM STATION
⊕	SPRINKLER
⊕	SMOKE DETECTOR (IONZ)
⊕	SMOKE DETECTOR (PHOTO)
⊕	HEAT DETECTOR
⊕	END OF LINE RESISTOR
⊕	2-SINGLE CONDUCTOR WIRE

REVISIONS FILE APPROVED
10-2-2000
C. J. L. / C. J. L.

NAME DATE

GTE NORTH CONTACT / ENGINEER
MR. JOHN BRISCH (309) 663 3506
10-2-2000

GTE NORTH, INC.
NEW R.S.U. BUILDING
WINGHAVEN DEVELOPMENT
7900 PHOENIX PARKWAY
O'FALLON, MO

mitzel + scroggs
architects designers planners

2401 East Broadway Bldg. A
Columbia, MO 65201-6118
Telephone (573) 449-0951
Fax (573) 449-0921

TITLE SHEET

Scale	AS NOTED
Date	03-20-2000
In Charge	DCM
Drawn By	RLC/WHC
Checked By	888

T1