



MINOR REMODEL

NORTHERN

TOOL + EQUIPMENT.

9401 STATESVILLE ROAD
CHARLOTTE, NC 28269

APPLICABLE CODES

2018 NORTH CAROLINA BUILDING CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL FUEL GAS CODE
2018 INTERNATIONAL FIRE CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE
2017 INTERNATIONAL A111 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
2017 NATIONAL ELECTRIC CODE

CODE SUMMARY IN PROGRESS

CRITERIA	REQUIREMENTS	NCBC 2018 CHAPTER #
TYPE OF CONSTRUCTION	II B SPRINKLERED	NCBC SECTION 601
NUMBER OF FLOORS	1 FLOOR	
USE AND OCCUPANCY GROUP		NCBC SECTION 502
MIXED	M / S-I - NON-SEPARATED	NCBC SECTION 508
ACCESSORY	B	NCBC SECTION 509.3
AREA AND OCCUPANT LOAD CALCULATIONS		NCBC SECTION 1004.1.2
A: 10,882 SQ FT / 60 GROSS SQ FT PER OCCUPANT =	305 OCCUPANTS	NCBC TABLE 1004.1.2
S-I: 1,840 SQ FT / 300 GROSS SQ FT PER OCCUPANT =	12 OCCUPANTS	NCBC TABLE 1004.1.2
B: 2522 SQ FT / 100 GROSS SQ FT PER OCCUPANT =	25 OCCUPANTS	NCBC TABLE 1004.1.2
TOTAL SQUARE FEET / TOTAL OCCUPANTS	24,584 SF / 342 OCCUPANTS	NCBC TABLE 1004.1.2
EXITS REQUIRED / EXITS PROVIDED	2 / 4	NCBC TABLE 1019.1
ESRESS WIDTH REQUIRED 342 OCCUPANTS x 0.18" INCHES PER OCCUPANT =	51.5" REQUIRED	NCBC TABLE 1005.1
ESRESS WIDTH PROVIDED 5 DOORS x 34" x 170" 1 140" DOOR x 140"	510" PROVIDED	
PLUMBING CALCULATIONS - EXISTING		
MALE: 171 OCCUPANTS		
M: TOILETS - 1 PER 500 / LAVS - 1 PER 750	1 TOILET / 1 LAV	NCBC TABLE 2402.1
ACTUAL FIXTURES PROVIDED	2 TOILET / 1 URINAL / 2 LAV (MEN)	
FEMALE: 171 OCCUPANTS		
F: TOILETS - 1 PER 500 / LAVS - 1 PER 750	1 TOILET / 1 LAV	NCBC TABLE 2402.1
ACTUAL FIXTURES PROVIDED	3 TOILETS / 2 LAV (WOMEN)	
DRINKING FOUNTAINS REQUIRED = 1 PER 1000 OCCUPANTS	2	NCBC TABLE 2402.1

PROJECT SUMMARY

THE MINOR REMODEL PROJECT CONSISTS OF A NEW STOREFRONT ENTRY ELEMENT, REMODEL EXISTING PREP ROOM AND ADD NEW PARTS ROOM AT AN EXISTING NORTHERN TOOL AT 9401 STATESVILLE ROAD, CHARLOTTE, NC 28269

ABBREVIATION LIST

ABOVE FINISHED FLOOR	AFF	LAMINATED PLASTIC	LAM
ADJUSTABLE	ADJ	LANDLORD	LL
ALUMINUM	ALUM	LEFT-HAND	LH
ANCHOR BOLT	AB	LONG LES HORIZONTAL	LLH
APPROXIMATELY	APPROX	LONG LES VERTICAL	LLV
ARCHITECTURAL	ARCH	LONG	LS
AT	@	MANHOLE	MH
BEAM	BM	MANUFACTURER	MFR
BERRINS	BRS	MASONRY OPENING	MO
BLOCKING	BLKS	MATERIAL	MATL
BOARD	BD	MAXIMUM	MAX
BOTTOM	BTM or BV	MECHANICAL	MESH
BUILDING	BLDG	METAL	MTL
CATCH BASIN	CB	MINIMUM	MIN
CEILING	CLNS	MISCELLANEOUS	MISC
CENTER TO CENTER	C/C	MOUNTED	MTD
CENTERLINE	CL	NOT APPLICABLE	NA
CLEAN OUT	CO	NOT IN CONTRACT	NIC
COLUMN	COL	NOT TO SCALE	NTS
CONCRETE MASONRY UNIT	CMU	ON CENTER	OC or O.C.
CONCRETE	CONC	OPENING	OPNS
CONSTRUCTION	CONST	OPPOSITE	OPP
CONTINUOUS	CONT	OUTSIDE DIAMETER	OD
CONTROL JOINT	CJ	OVERFLOW ROOF DRAIN	ORD
COURSE	CRS	PAINT	PT
DIAMETER	DIA	PAIR	PR
DIMENSION	DNM	PLASTIC LAMINATE	PLAM
DOWN	DN	PLATE	PL
DOWNSPOUT	DS	PLUS OR MINUS	+/-
DRAINING	DRNG	PLYWOOD	PLYD
EACH FACE	EF	POINT OF SALE	POS
EACH WAY	EA	PRESERVATIVE TREATED	PFT
EACH	EA	PROPERTY LINE	P/L
ELECTRIC	ELEC	QUARRY TILE	QT
ELECTRIC WATER COOLER	EW	RADIUS	RAD or R
ELEVATION	ELEV	RAIN WATER CONDUCTOR	RWC
EQUAL	EQ	REINFORCED	REINF
EXISTING	EXIST	REQUIRED	REQD
EXPANSION JOINT	EJ	REVISION	REV
EXTERIOR	EXT	RIGHT HAND	RH
EXTERIOR INSULATION & FINISH SYSTEM	EIFS	RIGHT OF WAY	ROW
FIBER REINFORCED PLASTIC	FRP	ROOF DRAIN	RD
FINISH	FIN	SECTION	SECT
FINISHED FLOOR	FF	SHEET	SHT
FIRE EXTINGUISHER CABINET	FEC	SIMILAR	SIM
FIRE RETARDANT TREATED	FRT	SPECIFICATION	SPEC
FUTURE	FT	SQUARE FEET	SF
FLOOR	FLR	STAINLESS STEEL	SS
FLOOR DRAIN	FD	STANDARD	STD
GALVANIZED	GLV	STEEL	STL
GAUSE	GA	STRUCTURAL	STRCT
GENERAL CONTRACTOR	GC	SUSPENDED	SUSP
GLASS FIBER REINFORCED CONCRETE	GFRG	TELEPHONE	TEL
GLASS FIBER REINFORCED SYPSUM	GFRS	TOP OF	TO
GYPHUM BOARD	GYP BD	TOP OF JOIST	TJ
HANDICAPPED	HCPD	TOP OF MASONRY	TM
HARDWOOD	HWD	TOP OF STEEL	TOS
HEATING/VENTILATING/AIR CONDITIONING	HVAC	TYPICAL	TYP
HEAVY DUTY	HD	UNLESS NOTED OTHERWISE	UNO
HOLLOW CORE	HC	VERTICAL	VERT
HOLLOW METAL	HM	VINYL COMPOSITION TILE	VCT
HORIZONTAL	HORIZ	VINYL TILE	VT
HOSE BIB	HB	VINYL WALL COVERING	VWC
HOT WATER HEATER	HW	WALL COVERING	WC
HOUR	HR	WELDED WIRE FABRIC	WWF
INSIDE DIAMETER	ID	WITH	W
INSULATION	INSUL	WITHOUT	WO
INTERIOR	INT	WOOD	WOOD
JOIST BEARING	JB	WORK POINT	WP

GENERAL NOTES

- THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, AIA A-201, 2001 IS APPLICABLE TO THE PROJECT AND INCLUDED HERE-IN BY REFERENCE.
- DO NOT SCALE DRAWINGS. REQUEST CLARIFICATION FROM THE ARCHITECT TO RESOLVE DISCREPANCIES OR TO SUPPLY ADDITIONAL INFORMATION.
- WORK IS TO BE PERFORMED IN ACCORDANCE WITH APPLICABLE CODES, CONDITIONS STATED ON THE PERMIT DOCUMENTS, LOCAL ORDINANCES, THE U.S. DEPARTMENT OF JUSTICE 2010 ADA STANDARDS, AND THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION (A.U.).
- WOOD NOT CLASSIFIED AS INTERIOR FINISH MATERIAL SHALL BE FIRE RETARDANT TREATED. USE AN EXTERIOR GRADE FRT PRODUCT IN EXTERIOR WALL CONSTRUCTION ROOF RELATED CONSTRUCTION AND FLASHING CONDITIONS.
- WHERE EXISTING STRUCTURAL STEEL IS PROTECTED WITH A FIREPROOFING MATERIAL, PROTECT DURING DEMOLITION ALLOCATION CONSTRUCTION PATCH AND REPAIR ANY MISSING OR DAMAGED FIREPROOFING TO MAINTAIN PROTECTION OF THE STRUCTURE.
- AT PENETRATIONS THROUGH FIRE RATED ASSEMBLIES, PROVIDE PROTECTION MEETING THE REQUIREMENTS OF A-119.1.1.1. BEAR THE APPROPRIATE U.L. LABEL FOR THE CONDITION.
- DESIGN & SELECTION OF SUPPORTS, BRACES, ANCHORS, ATTACHMENTS AND RELATED FASTENERS UNLESS SHOWN IN THE DRAWINGS OR IN THE SPECIFICATIONS, IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR UTILIZING INDUSTRY STANDARD MATERIALS AND METHODS SUITABLE TO THE CONDITION.
- WALL AND CEILING MOUNTED ITEMS, INCLUDING BUT NOT LIMITED TO REGISTERS, DIFFUSERS, SILLIES, SPEAKERS, CLEAN-OUTS AND COVER PLATES, WHETHER FACTORY PRE-FINISHED OR NOT, WHICH DO NOT MATCH THE ADJACENT WALL OR CEILING COLOR SHALL BE FIELD PAINTED UNLESS OTHERWISE NOTED. COLOR AND FINISH TO BE APPROVED BY THE ARCHITECT.
- COMPLY WITH SPECIAL WORKING CONDITIONS RELATING TO THE PROJECT, INCLUDING BUT NOT LIMITED TO REQUIREMENTS FOR TEMPORARY PROTECTION, TRASH MANAGEMENT, NOISE, LIGHT, DUST AND POLLUTION CONTROL, AND LIMITATIONS ON WORKING HOURS.

CONTACTS

ARCHITECT

ONYX CREATIVE, INC.
2500 EMERY ROAD, SUITE 400
CLEVELAND, OH 44128
CONTACT: ROD BENNETT
PH: 216-225-9291
E: rbennett@onyxcreative.com

CLIENT

NORTHERN TOOL + EQUIPMENT
2500 SOUTHCROSS DRIVE WEST
BURNSVILLE, MN 55306

DIRECTOR OF REAL STATE DEVELOPMENT

NORTHERN TOOL + EQUIPMENT
2500 SOUTHCROSS DRIVE WEST
BURNSVILLE, MN 55306
CONTACT: DUANE BORNE
PH: 651-895-6804
E: Duane.Borne@NORTHERNTOOL.COM

M.E.P. ENGINEERS

BLESTREAK CONSULTING
2500 EMERY ROAD, SUITE 400
CLEVELAND, OH 44128
CONTACT: PETE FITZGERALD
PH: 216-225-9200
E: pfitzgerald@blestreakconsulting.com

CONSTRUCTION MANAGER

NORTHERN TOOL + EQUIPMENT
2500 SOUTHCROSS DRIVE WEST
BURNSVILLE, MN 55306
CONTACT: BRIAN GRAHAM
PH: 651-895-6803
E: Brian.Graham@NORTHERNTOOL.COM

STRUCTURAL ENGINEER

BLESTREAK CONSULTING
2500 EMERY ROAD, SUITE 400
CLEVELAND, OH 44128
CONTACT: TERRY FRANCIS
PH: 216-225-9200
E: tfrancis@blestreakconsulting.com

DRAWING INDEX

		REVISIONS			
		1	2	3	4
60.01	COVER SHEET				
60.02	VENDOR LIST, REQUIRED SUBMITTALS AND CONSTRUCTION SIGN				
60.03	APPENDIX B				
60.04	CONCHECK				
ARCHITECTURAL					
D1.00	DEMOLITION FLOOR PLAN				
A1.00	FLOOR PLAN				
A1.01	CEILING PLAN				
A1.02	ESRESS PLAN				
A2.00	DEMOLITION EXTERIOR ELEVATIONS				
A2.01	PROPOSE EXTERIOR ELEVATIONS				
A2.02	SECTION & DETAILS				
A2.03	SECTION & DETAILS				
A2.04	DETAILS				
A3.00	NOT USED				
A3.01	ENLARGED PRODUCT PREP AND PARTS PLAN				
A4.00	DOOR SCHEDULE, DOOR TYPES & HARDWARE NOTES				
A4.01	ROOM AND MISC. FINISH SCHEDULES				
STRUCTURAL					
S0.1	SPECIFICATIONS & DETAILS				
S1.0	STRUCTURAL PLAN				
S2.0	SECTIONS				
MECHANICAL					
M1.0	MECHANICAL PLAN				
M2.0	MECHANICAL SCHEDULE & DETAILS				
M3.0	MECHANICAL SPECIFICATIONS				
M3.1.0	EMS SPECIFICATIONS & DETAILS				
ELECTRICAL					
E0.01	ELECTRICAL SYMBOLS & GENERAL NOTES				
E0.02	ELECTRICAL NOTES & DETAILS				
E1.00	DEMOW POWER PLAN				
E2.00	POWER PLAN				
E3.00	ELECTRICAL RISER & PANEL SCHEDULES				
E4.00	ELECTRICAL SPECIFICATIONS				

VICINITY MAP

