

ABBREVIATIONS			
A/C	AIR CONDITIONING	JT	JOINT
ADD'L	ADDITIONAL	JAV	LAVATORY
AF	ABOVE FINISH FLOOR	LN	LINEAR
ASF	ABOVE SUB FLOOR	LP	LOW POINT
ATS	ABOVE TOP OF SLAB	LVL	LAMINATED VENEER LUMBER
ALI	ALTERNATE	LVL	MAXIMUM
ALUM	ALUMINUM	MC	MECH. CONTRACTOR
APPROX	APPROXIMATE	MECH	MECHANICAL
BD	BOARD	MFR	MANUFACTURE (R) (INC)
BLDG	BUILDING	MNK	MINIMUM
BLK	BLOCK	MISC	MISCELLANEOUS
BLKG	BLOCKING	MO	MASONRY OPENING
BM	BEAM	MTD	MOUNTED
BOTT	BOTTOM	MTL	METAL
BRG	BEARING	N	NORTH
B/C	BOTTOM OF	NC	NOT IN CONTRACT
C/C	CENTER TO CENTER	NO	NUMBER
CJ	CONSTRUCTION JOINT	NOM	NOMINAL
CLG	CEILING	NTS	NOT TO SCALE
CLR	CLEAR	OC	ON CENTER
CNTR	CENTER	OD	OUTSIDE DIAMETER
CMU	CONCRETE MASONRY UNIT	OPNG	OPENING
CO	CLEAN OUT	OPPS	OPPOSITE
COL	COLUMN	PAC	POWDER ACTIVATED FASTENER
CONC	CONCRETE	PC	PLUMB. CONTRACTOR
CONSTR	CONSTRUCTION	PL	PLASTIC LAMINATE
CONTR	CONTRACTOR	PLMB	PLUMBING
CONT	CONTINUOUS	PLYWD	PLYWOOD
DET	DETAIL	PNL	PANEL
DIA	DIAMETER	PREFAB	PREFABRICATED
DIM	DIMENSION	PROJ	PROJECT
DN	DOWN	PVC	POLYVINYL CHLORIDE
DS	DOWNSPOUT	R	RADIUS
DW	DRY WALL	R	RISER
DWG	DRAWING	RD	ROOF DRAIN
EA	EACH	RECP	RECEPTACLE
EC	ELEC. CONTRACTOR	RENF	REINFORCING
EL	ELEVATION	REQ'D	REQUIRED
ELEC	ELECTRIC (AL)	RES	RESILIENT
ELEV	ELEVATOR	REV	REVISION
EPS	EXPANDED POLYSTYRENE	RM	ROOM
EW	EACH WAY	RO	ROUGH OPENING
EW/C	ELECTRIC WATER COOLER	SAC	SUSPENDED ACOUSTICAL CEILING
EXIST	EXISTING	SAC-1	SAC-1 HOUR RATED
EXP JT	EXPANSION JOINT	SECT	SECTION
EXT	EXTERIOR	SHT	SHEET
F/C	FREEZER/COOLER BOX	SM	SIMILAR
FD	FLOOR DRAIN	SPEC	SPECIFICATIONS
FIN	FOUNDATION	STL	STEEL
FIN	FINISH	STRUCT	STRUCTURAL
FLR	FLOOR	STRLL	STRUCTURAL
FT	FEET	T & B	TOP AND BOTTOM
FTG	FOOTING	T & G	TONGUE AND GROOVE
GALV	GALVANIZED	T	TOP OF
GC	GENERAL CONTRACTOR	TRT	TREATMENT
GYP	GYP-SUM	UN	UNLESS OTHERWISE NOTED
H/W	HARDWARE	VCT	VINYL COMPOSITION TILE
HM	HOLLOW METAL	VERT	VERTICAL
HORIZ	HORIZONTAL	VWC	VINYL WALL COVERING
HP	HIGH POINT	WD	WOOD
HT	HEIGHT	WH	WATER HEATER
HVAC	HEATING/VENTILATION/AIR CONDITIONING	W	WITH
HYC	HYGIENE	W/O	WITHOUT
ID	INSIDE DIAMETER	W/F	WELDED WIRE FABRIC
IN	INCH		
INFO	INFORMATION		
INSUL	INSULATION		
INT	INTERIOR		
INV	INVERT		

PROJECT		
PROJECT SITE	OWNER	ARCHITECT/ENGINEER
1980 GADSDEN HIGHWAY TRUSSVILLE, AL 35235	GEMCAP DEVELOPMENT 210 WEST FOURTH STREET, SUITE 200 WINSTON-SALEM, NC 27101 CONTACT: BRIAN MOORE TEL: (336)724-0153	LMHT ASSOCIATES 3005 CARRINGTON MILL BLVD, SUITE 150 MORRISVILLE, NORTH CAROLINA, 27560 TEL: (919) 444-6497 FAX: (919) 444-9399

LIST OF DRAWINGS		
SHEET	DESCRIPTION	REVISIONS
GENERAL		
G001	COVER SHEET	
G101	LIFE SAFETY PLAN	
G102	OCCUPANCY PLAN	
G103	ADDENDUM LIST	
STRUCTURAL		
S001	GENERAL NOTES	
S111	FOUNDATION PLAN	
S201	DETAILS	
PRE-ENGINEERED DETAILS		
C1/C1	COVER PAGE	
G1/G4	QUALITY ASSURANCE POLICY	
G2/G4	FASTENER ID	
G3/G4	FASTENER ID. AND BOLT TIGHTENING PROC.	
G4/G4	COLLATERAL LOADING AND ATTACHMENTS	
A1/A4	ANCHOR ROD	
A2/A4	ANCHOR ROD	
A3/A4	ANCHOR ROD	
A4/A4	ANCHOR ROD	
N/A	PROJECT NOTES	
CS1/CS7	CROSS SECTION	
CS2/CS7	CROSS SECTION	
CS3/CS7	CROSS SECTION	
CS4/CS7	CROSS SECTION	
CS5/CS7	CROSS SECTION	
CS6/CS7	CROSS SECTION	
CS7/CS7	CROSS SECTION	
RF1/RF2	ROOF FRAMING	
RF2/RF2	ROOF FRAMING	
RP1/RP1	ROOF PANEL	
S1/S2	SIDEWALL DRAWING	
S2/S2	SIDEWALL DRAWING	
E1/E2	ENDWALL DRAWING	
E2/E2	ENDWALL DRAWING	
ARCHITECTURAL		
A111	FLOOR PLAN	
A121	REFLECTED CEILING PLAN	
A131	FLOOR FINISH PLAN	
A161	ROOF PLAN	
A201	EXTERIOR ELEVATIONS	
A202	EXTERIOR ELEVATIONS	
A301	WALL SECTIONS	
A302	WALL SECTIONS	
A303	WALL SECTIONS	
A401	ENLARGED PLANS AND ELEVATIONS	
A501	EXTERIOR DETAILS	
A502	DETAILS	
A601	DOOR, WINDOW, HARDWARE SCHEDULE	
PLUMBING		
P001	PLUMBING NOTES, LEGEND AND SCHEDULES	
P111	PLUMBING PLANS AND RISERS	
P601	PLUMBING DETAILS	
MECHANICAL		
M121	MECHANICAL CEILING PLAN	
M161	MECHANICAL ROOF PLAN	
M501	MECHANICAL DETAILS	
M601	MECHANICAL SCHEDULES AND NOTES	
ELECTRICAL		
E001	ELECTRICAL NOTES AND LEGEND	
E111	ELECTRICAL POWER PLAN	
E121	ELECTRICAL LIGHTING PLAN	
E601	ELECTRICAL SCHEDULES, NOTES, RISER AND DETAILS	

ENERGY CODE SUMMARY 2015 ASHRAE 90.1	
THERMAL ENVELOPE: zone 3A	
METHOD OF COMPLIANCE: PREScriptive PERFORMANCE TRADE OFF (COM CHECK)	
ROOF/CEILING ASSEMBLY (EACH ASSEMBLY)	
DESCRIPTION OF ASSEMBLY: "FLAT" ROOF ROOF MEMBRANE OVER R-32 ROOF ROOF INSULATION METAL ROOF DECK AND STEEL BRACED JOIST AND ACOUSTICAL CEILING TIE.	
R-VALUE OF INSULATION: R-32	U-VALUE OF TOTAL ASSEMBLY: 0.031 (BTU/HR-FT ² -F)
SKYLIGHTS IN EACH ASSEMBLY: NONE	
EXTERIOR WALLS (EACH ASSEMBLY)	
DESCRIPTION OF ASSEMBLY: (HORIZONTAL) STUCCO, 1/2" SHEATHING, 6" 8-21 BATT, INSUL., 6" MIL. STUO, 1/2" GYP. BD.	
R-VALUE OF INSULATION: R-21	U-VALUE OF TOTAL ASSEMBLY: 0.106 AT STUCCO AND 0.099 AT BRICK VENEER
OPENINGS-WINDOWS WITH GLAZING:	
U-VALUE OF ASSEMBLY: 0.3 MAX (BTU/HR-FT ² -F)	SHADING COEFFICIENT: 0.2 MAX
PROJECTION FACTOR: 0.40	
OPENINGS DOORS WITH GLAZING:	
U-VALUE OF ASSEMBLY: 0.3 MAX (BTU/HR-FT ² -F)	SHADING COEFFICIENT: 0.2 MAX
PROJECTION FACTOR: 0.40	
OVERHEAD METAL DOOR U-VALUE: .15 MAX	EXTERIOR METAL DOOR U-VALUE: .39 MAX
WALLS ADJACENT TO UNCONDITIONED SPACE (EACH ASSEMBLY): NONE	
WALLS BELOW GRADE (EACH ASSEMBLY): NONE	
FLOORS OVER UNCONDITIONED SPACE (EACH ASSEMBLY): NONE	
FLOORS SLAB ON GRADE	
DESCRIPTION OF ASSEMBLY: 4" CONCRETE ON 4" CRUSHED STONE	U-VALUE OF TOTAL ASSEMBLY: 0.73
HORIZONTAL/VERTICAL REQUIREMENT: NONE	
SLAB HEATED: NO	
MECHANICAL SYSTEM AND EQUIPMENT	
METHOD OF COMPLIANCE: PREScriptive PERFORMANCE	
TERMAL ZONE: 3A	
EXTERIOR DESIGN CONDITIONS:	WINTER DRY BULB: 20°F
	SUMMER DRY BULB: 95°F
INTERIOR DESIGN CONDITIONS:	WINTER DRY BULB: 70°F
	SUMMER DRY BULB: 94°F
	RELATIVE HUMIDITY: 60%
BUILDING HEATING LOAD: 21.5 MBH	
BUILDING COOLING LOAD: 63.6 MBH	
MECHANICAL SPACE CONDITIONING SYSTEM	RTU #1
PACKAGED UNIT:	8 TON COOLING
DESCRIPTION OF UNIT:	W/ AUX HEAT
HEATING EFFICIENCY:	ELEC
COOLING EFFICIENCY:	12.6 EER
HEAT OUTPUT OF UNIT:	32 MBH
COOLING OUTPUT OF UNIT:	72 MBH
BOILER: NONE	
CHILLER: NONE	
LIST EQUIPMENT EFFICIENCIES:	
EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEMS) OTHER	
MOTOR HORSEPOWER: SEE DRAWINGS	
NUMBER OF PHASES: SEE DRAWINGS	
MINIMUM EFFICIENCY: SEE DRAWINGS	
MOTOR TYPE: SEE DRAWINGS	
NUMBER OF POLES: SEE DRAWINGS	
ELECTRICAL SYSTEM AND EQUIPMENT	
METHOD OF COMPLIANCE: PREScriptive PERFORMANCE	
TYPE OF WIRING: SEE DRAWINGS	
TYPE OF LAMPS IN FIXTURE: SEE "E" DRAWINGS	
TYPE USED IN FIXTURE: SEE "E" DRAWINGS	
TYPE OF BALLASTS IN FIXTURE: SEE "E" DRAWINGS	
TYPE OF FIXTURE: SEE "E" DRAWINGS	
TOTAL WATTAGE SPECIFIED VS. ALLOWED: 4,570 W VS. 7,413 W	
TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED: SEE SITE DRAWING	
EQUIPMENT SCHEDULES WITH MOTORS (NOT USED FOR MECHANICAL SYSTEMS): NONE	
MOTOR HORSEPOWER:	
NUMBER OF PHASES:	
MINIMUM EFFICIENCY:	
MOTOR TYPE:	
# OF POLES:	

BUILDING CODE SUMMARY		
BUILDING DATA	FIRE RESISTANCE RATINGS	LIFE SAFETY SYSTEMS
OCCUPANCY: MIXED OCCUPANCY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	30 FEET CLEAR ACCESS AROUND BUILDING	EMERGENCY LIGHTING: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
M (MERCANTILE) (CLASS B)	ASSEMBLY REQUIRED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	DESIGNATIONS: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
OCCUPANT LOAD: 48 -- REFER TO DRAWING G102	PARTY / FIREWALL: N/A	FIRE ALARM SYSTEM: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
CONSTRUCTION TYPE: II-B	EXTERIOR BEARING WALL	SMOKE DETECTION SYSTEM: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> PARTIAL HVAC
SPRINKLER? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	FRONT	PANIC HARDWARE: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
FIRE DISTRICT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	RIGHT SIDE	
BUILDING HEIGHT: 24'-9"	LEFT SIDE	
NUMBER OF STORIES: 1	EXTERIOR NON-BEARING WALLS	
ALLOWABLE STORIES: TABLE 504.4 - M = 2 (NOT SPRINKLED)	FRONT	
MEZZANINE: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	RIGHT SIDE	
GROSS BUILDING AREA: 383 S.F.	LEFT SIDE	
GROUND FLOOR (OUTSIDE OF STUDS): 383 S.F.	INTERIOR WALLS	
ALLOWABLE AREA: TABLE 506.2 - 12,000 S.F.	BEARING	
AREA INCREASE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	NON-BEARING	
	TENANT SEPARATION	
	CEILING/FLOOR ASSEMBLY	
	BEAMS	
	COLUMNS	
	CEILING/ROOF ASSEMBLY	
	VERTICAL SHAFTS	
	CHASES	
	MIXED OCCUPANCY SEPARATION	
	TENANT SEPARATION	
TOILET FACILITIES		
TOTAL = 48 PEOPLE 24 MALE, 24 FEMALE		
WORST CASE = M - MERCANTILE		
PER PLUMBING TABLE 403.1		
REQUIRED:	WC	URINALS LAV
FEMALES	1	1 1
MALES	1	1 1
PROVIDED:	WC	URINALS LAV
FEMALES	1	1 1
MALES	1	1 1
EXIT REQUIREMENTS		
DEAD END LIMIT - MAX. CONDITION: 0'-0" (20 FEET ALLOWED)		
TRAVEL DISTANCE TO EXIT - MAX. CONDITION: 122'-10" (200 FEET ALLOWED)		
NUMBER OF EXITS REQUIRED: 2	NUMBER OF EXITS PROVIDED: 4	
EXIT WIDTH REQUIRED:	EXIT WIDTH PROVIDED:	
TABLE 1005.1, 0.2" PER PERSON	SALES (1) 72"=68"	
0.2" (48) = 9.8"	(1) 36"=34"	
50% THRU FRONT=4.8"	STORAGE (2) 36"=68"	
	170"	
	THRU FRONT = 68"	
STRUCTURAL DESIGN LOADS		
SEE STRUCTURAL DRAWINGS		
SPECIAL INSPECTIONS		
AS REQUIRED PER CHAPTER 17. SEE STRUCTURAL AND CIVIL DRAWINGS, NO ARCHITECTURAL INSPECTIONS REQUIRED.		

VICINITY MAP			
SCOPE OF WORK			
<ul style="list-style-type: none"> NEW FREE STANDING 5,883 SQUARE FOOT SHERWIN WILLIAMS BUILDING. BUILDING HAS A PRE-MANUFACTURED STEEL STRUCTURAL FRAME. SHOP DRAWINGS SHALL BE PROVIDED UNDER SEPARATE SUBMITTAL. 			
DESIGNERS OF RECORD			
DISCIPLINE	NAME	ADDRESS	LIC. #
ARCHITECT	GLEN R. LEHMANN	3005 CARRINGTON MILL BLVD, MORRISVILLE, NC 27560	3292
ELECTRICAL	NELSON RAY THORNTON	3005 CARRINGTON MILL BLVD, MORRISVILLE, NC 27560	17069
PLUMBING	NELSON RAY THORNTON	3005 CARRINGTON MILL BLVD, MORRISVILLE, NC 27560	17069
MECHANICAL	NELSON RAY THORNTON	3005 CARRINGTON MILL BLVD, MORRISVILLE, NC 27560	17069
STRUCTURAL	BRET UNDERWOOD	999 WATERSIDE DRIVE, NORFOLK, VA 23510	-

CODE SUMMARY	
2015 INTERNATIONAL BUILDING CODE	
2015 INTERNATIONAL MECHANICAL CODE	
2015 INTERNATIONAL PLUMBING CODE	
2015 INTERNATIONAL FIRE CODE	
2014 NATIONAL ELECTRIC CODE	
2013 ASHRAE 90.1	
Revisions	
REVISION DATE	
PROJECT DATE	1/17/2019
Drawn By	MTP
Checked By	TD
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DRAWING: COVER SHEET