

ABBREVIATIONS

- AC = ACOUSTICAL CEILING
- ACT = ACOUSTICAL CEILING TILE
- ADA = AMERICANS WITH DISABILITIES ACT
- ADJ. = ADJUSTABLE
- A.F.F. = ABOVE FINISHED FLOOR
- ALUM. = ALUMINUM
- BM. = BEAM
- BLDG. = BUILDING
- B.O.S. = BOTTOM OF STEEL
- C.B. = CATCH BASIN
- CE. = CEMENT
- C.T. = CERAMIC TILE
- CL. = CLEAR
- CL.G. = CEILING
- CO. = CLEAN OUT
- COL. = COLUMN
- CONC. = CONCRETE
- CONT. = CONTINUOUS
- C.M. = CONCRETE MASONRY UNIT
- CFT. = CARPET
- C.B. = DOOR BELL
- D.F. = DRINKING FOUNTAIN
- DBL. = DOUBLE
- DEM. = DEMOLITION
- DIM. = DIMENSION
- DISP. = DISPENSER
- DN. = DOWN
- D.O. = DOOR OPENING
- DR. = DOWN SPOUT
- DTL. = DETAIL
- DWG. = DRAWING
- E. = EAST
- EA. = EACH
- E.I.F.S. = EXTERIOR INSULATING FINISH SYSTEM
- E.J. = EXPANSION JOINT
- ELEC. = ELECTRICAL
- ELEV. = ELEVATOR
- EMER. = EMERGENCY
- E.O.S. = EDGE OF SLAB
- E.Q. = EQUAL/QUADISTANT
- E.W.C. = ELECTRIC WATER COOLER
- EXIST. = EXISTING
- EXIST. = EXISTING
- EXP. = EXPANSION
- EXT. = EXTERIOR
- F.A. = FIRE ALARM
- F.D. = FLOOR DRAIN
- F.E. = FIRE EXTINGUISHER ON WALL BRACKET
- F.E.C. = FIRE EXTINGUISHER CABINET
- F.F. = FINISHED FLOOR
- FIN. = FINISH
- FL. = FLOOR
- FLR. = FLOOR
- FLUOR. = FLUORESCENT
- F.O.F. = FACE OF FINISH
- F.O.S. = FACE OF STUD
- FOM. = FACE OF MASONRY
- FT. = FOOT
- FTG. = FOOTING
- FRT. = FIRE RETARDANT TREATED
- FURR. = FURRING
- FUT. = FUTURE
- G. = GAUGE
- GALV. = GALVANIZED
- G.B. = GRAB BAR
- GL. = GLASS/GLAZING
- GND. = GROUND
- G.P.B. = Gypsum BOARD
- GR. = GROUT
- H.C. = HOLLOW CORE
- H.M. = HOLLOW METAL
- HDR. = HARDWARE
- HORIZ. = HORIZONTAL
- ID. = INSIDE DIAMETER
- INSUL. = INSULATION
- INT. = INTERIOR
- JAN. = JANITOR
- J. = JOINT
- LAV. = LAVATORY
- LB./LBS. = POUND/POUNDS
- LLV. = LONGER LEG VERTICAL
- MTL. = METAL
- MFR. = MANUFACTURE/MANUFACTURER
- MIN. = MINIMUM
- M.O. = MASONRY OPENING
- M.R. = MOISTURE RESISTANT
- MTD. = MOUNTED
- N. = NORTH
- N.C. = NOT IN CONTRACT
- N.A. = NOT APPLICABLE
- NR. = NOT RATED
- O.D. = OUTSIDE DIAMETER/OVERFLOW DRAIN
- O.C. = ON CENTER
- O.F.C.I. = OWNER FURNISHED CONTRACTOR INSTALLED
- O.H. = OPPOSITE HAND
- O.P. = OPERABLE / OPERATION
- O.S.H. = OCCUPATIONAL SAFETY & HEALTH ADMIN.
- FL. = FLATE
- FLAS. LAM. = PLASTIC LAMINATE
- FLMB. = FLUMING
- FR. = PAIR
- P.T. = PRESSURE TREATED
- R. = RADIUS
- R.D. = ROOF DRAIN
- REF. = REFRIGERATOR
- REQ. = REQUIRED/REQUIREMENT
- RM. = ROOM
- R.O. = ROUGH OPENING
- S. = SOUTH
- SIM. = SIMILAR
- SPEC. = SPECIFICATION
- STC. = SOUND TRANSMISSION CLASS
- STEEL. = STEEL
- STOR. = STORAGE
- S.S. = STAINLESS STEEL
- SUSP. = SUSPENDED
- T.O.P. = TOP OF PARAPET
- T.O.R. = TOP OF ROOF
- T.O.S. = TOP OF STEEL
- T.O.W. = TOP OF WALL
- TEL. = TELEPHONE
- TR. = TRIPLE
- TYP. = TYPICAL
- V.C. = VINYL-COMPOSITE TILE
- VERT. = VERTICAL
- V.I.F. = VERIFY IN FIELD
- U.O.N. = UNLESS OTHERWISE NOTED
- W. = WEST
- W/O. = WITHOUT
- W.C. = WATER CLOSET
- W.D. = WOOD
- W.H. = WATER HEATER
- W.P. = WATERPROOF
- W.R. = WATER RESISTANT
- WT. = WEIGHT

BUILDING CODE SUMMARY FOR COMMERCIAL PROJECTS 2018 NORTH CAROLINA STATE BUILDING CODE

Name of Project: **STRICKLAND BROTHERS OIL CHANGE**
 Address: **810 SOUTH MAIN STREET, GRAHAM, NC 27233**
 Proposed Use: **MOTOR VEHICLE OIL CHANGE SERVICE CENTER (S-I)**
 Owner of Authorized Agent: **GEMCAP DEV., Phone # 336-724-053, E-Mail BRUNING@GEMCAPDEVELOPMENT.COM**
 Owned By: City/County Private State
 Code Enforcement Jurisdiction: City County State

LEAD DESIGN PROFESSIONAL: **ELLIOTT CLAY ELDER**
 Designer: **ESD ARCHITECTURE, ELLIOTT CLAY ELDER, 4545 704-378-1100, elder@esdarch.com**
 Architectural: **ESD ARCHITECTURE, ELLIOTT CLAY ELDER, 4545 704-378-1100, elder@esdarch.com**
 Civil: **FEI CONSULTING, RAVINDRA BISSRAM, 027436, 336-852-4141, rbi@feiconsulting.com**
 Electrical: **C2E SOLUTIONS, RYAN E. CAYA, 029270, 540-314-5716, ryan@c2esolutions.com**
 Fire Alarm: **C2E SOLUTIONS, JEFF B. CHRISTIAN, 22403, 540-314-5716, jbc@c2esolutions.com**
 Plumbing: **C2E SOLUTIONS, JEFF B. CHRISTIAN, 22403, 540-314-5716, jbc@c2esolutions.com**
 Mechanical: **C2E SOLUTIONS, JEFF B. CHRISTIAN, 22403, 540-314-5716, jbc@c2esolutions.com**
 Sprinkler-Standpipe: **ARP ENGINEERING, L. DEAN ARP, JR., 18427, 704-225-0774, deanarp@arpeng.com**
 Structural: **ARP ENGINEERING, L. DEAN ARP, JR., 18427, 704-225-0774, deanarp@arpeng.com**
 Retaining Walls >5' High: **ARP ENGINEERING, L. DEAN ARP, JR., 18427, 704-225-0774, deanarp@arpeng.com**
 Other: **ARP ENGINEERING, L. DEAN ARP, JR., 18427, 704-225-0774, deanarp@arpeng.com**

YEAR OF CODE: **2018 NORTH CAROLINA STATE BUILDING CODE**
 New Construction Renovation (Existing Bldg) Uplift Alteration

2018 NC BUILDING CODE: **X**
 2018 NC EXISTING BUILDING CODE: **---**
 CONSTRUCTED: NEW BUILDING CURRENT OCCUPANCY(S) (Ch. 3): **---**
 RENOVATED: (date) **---** PROPOSED OCCUPANCY(S) (Ch. 3): ASSEMBLY (A-2)

OCCUPANCY CATEGORY (Table 1604.5): Current: **---** Proposed: **TYPE II**

BASIC BUILDING DATA
 Construction Type: **VB**
 Sprinklers: **NO**
 Standpipes: **NO**
 Primary Fire District: **NO** Flood Hazard Area: **NO**
 Special Inspections Required: **NONE**

| FLOOR | EXISTING (SQ FT) | NEW (SQ FT) | SUB TOTAL |
|-------------|------------------|-------------|-----------|
| FIRST FLOOR | 1,553 SF | 1,553 SF | 1,553 SF |
| TOTAL | | | 1,553 SF |

INCLUDES AREAS UNDER ROOF OVERHANGS

Primary Occupancy Classification(s): **STORAGE S-2**
 Accessory Occupancy Classification(s): **N/A**

Incidental Uses (Table 509): **N/A**
 Special Uses (Chapter 4 - List Code Sections): **N/A**
 Special Provisions (Chapter 5 - List Code Sections): **N/A**
 Mixed Occupancy: **NO** Separation: **---** Exception: **---**

NON-SEPARATED MIXED OCCUPANCY
 Actual Area of Occupancy A + Actual Area of Occupancy B
 Allowable Area of Occupancy A Allowable Area of Occupancy B ≤ 1.0

| STORY | DESCRIPTION AND USE | TABLE 506.2 AREA (SQ FT) | TABLE 506.2 AREA (SQ FT) | TABLE 506.2 AREA (SQ FT) | TABLE 506.2 AREA (SQ FT) | TABLE 506.2 AREA (SQ FT) |
|-------|---------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| ONE | S-2 STORAGE | 1,432 SF | 9,000 (NS) | N/A | 9,000 SF | |
| ONE | MERCANTILE | 121 SF | 9,000 (NS) | N/A | 9,000 SF | |

- Frontage area increases from Section 506.2 are computed thus:
 a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
 b. Total Building Perimeter = (P)
 c. Ratio (F/P) = (F/P)
 d. W = Minimum width of public way = (W)
 e. Percent of frontage increase If = 100(F/P - 0.25) x W/30 = (X) %
 2. Unlimited area applicable under conditions of Section 507.
 3. Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
 4. The maximum area of open parking garages must comply with Table 406.5.4. The maximum area of air traffic control towers must comply with Table 412.3.1.
 5. Frontage increase is based on the un sprinklered area value in Table 506.2.

EXIT REQUIREMENTS
 NUMBER AND ARRANGEMENT OF EXITS

| FLOOR, ROOM OR SPACE DESIGNATION | MINIMUM NUMBER OF EXITS | TRAVEL DISTANCE | ARRANGEMENT MEANS OF EGRESS | MINIMUM CLEARANCE | MINIMUM WIDTH | MINIMUM RATED |
|----------------------------------|-------------------------|-----------------|-----------------------------|-------------------|---------------|---------------|
| GROUND LEVEL | 1 | 200' | 14'-10" | N/A | N/A | N/A |

- Corridor dead ends (Section 1018.4)
 Single exits (Table 1015.1)
 Common Path of Travel (Section 1014.3.1)

NOTES
 1. PROVIDE ALL WORK AND MATERIALS IN ACCORDANCE WITH CURRENT LOCAL BUILDING CODES AND ORDINANCES.
 2. DO NOT SCALE THE DRAWINGS.
 3. VERIFY AND INSTALL ALL REQUIRED BLOCKING, SUPPORT, BACKING AND FRAMING FOR ITEMS INCLUDING BUT ARE NOT LIMITED TO: SIGNAGE, LIGHT FIXTURES, WALL MOUNTED MILLWORK AND ACCESSORIES, FURNITURE, EQUIPMENT AND ALL OTHER ITEMS REQUIRING SAME WITHIN THE WALLS, FLOOR AND CEILING. THIS SHALL INCLUDE BLOCKING FOR ALL OWNER AND CONTRACTOR SUPPLIED ITEMS.
 4. COMPLY WITH THE CURRENT "GENERAL CONDITIONS", and BUILDING STANDARDS AS PROVIDED BY THE BUILDING OWNER.
 5. THE USE OF THE WORD "PROVIDE" SHALL ALWAYS MEAN FURNISH AND INSTALL, CONNECT OR SECURE AS REQUIRED.
 6. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
 7. ANY DECORATIONS USED SHALL BE NON-COMBUSTIBLE OR FLAMEPROOF IN A MANNER APPROVED BY CODE OFFICIAL AND ARCHITECT.
 8. COORDINATE THE PHASING OF ALL CONSTRUCTION WITH THE OWNER PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL PROVIDE A SAFE ROUTE FOR THE PERSONNEL IN AND OUT OF THE BUILDING DURING CONSTRUCTION AND THE REMOVAL OF DEBRIS.

| USE GROUP OR SPACE | NO. | AREA (SQ FT) | EXIT WIDTH | | | EXIT WIDTH (IN) | | | |
|----------------------|------|--------------|-----------------------------|----------------------|--------------------|-----------------|------------|------------|-----|
| | | | CALCULATED PER OCCUPANT (S) | MINIMUM PER OCCUPANT | REQUIRED WIDTH (S) | STAR LEVEL | STAR LEVEL | STAR LEVEL | |
| VEHICLE REPAIR (S-I) | 1433 | 500 SF | 1433/500=2.8 | N/A | 2' | N/A | 2' | N/A | 34" |
| LOBBY (M) | 121 | 60 SF | 121/60=2 | N/A | 2' | N/A | 2' | N/A | 34" |

See Table 1004.1.2 to determine whether net or gross area is applicable.
 *See definition "Area, Gross" and "Area, Net" (Section 202)
 Footnote deleted.
 Minimum stairway width (Section 1009.4); min. corridor width (Section 1018.2); min. door width (Section 1008.1.1).
 Minimum width of exit passageway (Section 1023.2)
 The loss of one means of egress shall not reduce the availability capacity to less than 50 percent of the total required.
 (Section 1005.5)
 *Assembly occupancies (Section 1028)

FIRE PROTECTION REQUIREMENTS

| BUILDING ELEMENT | FIRE SEPARATION (FEET) | RATING | MINIMUM PER OCCUPANT | DESIGN RATED ASSEMBLY | SHEET # FOR RATED JOINTS |
|---|------------------------|--------|----------------------|-----------------------|--------------------------|
| Structural Frame, including columns, girders, trusses | 0 | 0 | 0 | 0 | 0 |
| Exterior Walls | 0 | 0 | 0 | 0 | 0 |
| North | 0 | 0 | 0 | 0 | 0 |
| East | 0 | 0 | 0 | 0 | 0 |
| West | 0 | 0 | 0 | 0 | 0 |
| South | 0 | 0 | 0 | 0 | 0 |
| Interior | 0 | 0 | 0 | 0 | 0 |
| Nonbearing Walls and Partitions | 0 | 0 | 0 | 0 | 0 |
| Exterior walls | 0 | 0 | 0 | 0 | 0 |
| North | +30' | 0 | 0 | 0 | 0 |
| East | +30' | 0 | 0 | 0 | 0 |
| West | +30' | 0 | 0 | 0 | 0 |
| South | +30' | 0 | 0 | 0 | 0 |
| Interior walls and partitions | 0 | 0 | 0 | 0 | 0 |
| Floor Construction | N/A | N/A | N/A | N/A | N/A |
| Including supporting beams and joists | N/A | N/A | N/A | N/A | N/A |
| Floor Ceiling Assembly | N/A | N/A | N/A | N/A | N/A |
| Belowground Floors | N/A | N/A | N/A | N/A | N/A |
| Roof Construction, including support trusses and joists | 0 | 0 | 0 | 0 | 0 |
| Floor Ceiling Assembly | 0 | 0 | 0 | 0 | 0 |
| Concrete Support Floor | 0 | 0 | 0 | 0 | 0 |
| Roof | 0 | 0 | 0 | 0 | 0 |
| Shaft Enclosure - East | N/A | N/A | N/A | N/A | N/A |
| Shaft Enclosure - Other | N/A | N/A | N/A | N/A | N/A |
| Corridor Separation | N/A | N/A | N/A | N/A | N/A |
| Occupancy Fire Barrier Separation | N/A | N/A | N/A | N/A | N/A |
| Party Wall Separation | N/A | N/A | N/A | N/A | N/A |
| Smoke Bar Separation | N/A | N/A | N/A | N/A | N/A |
| Smoke Partition | N/A | N/A | N/A | N/A | N/A |
| Tenant/Dwelling Unit Separation | N/A | N/A | N/A | N/A | N/A |
| Incidental Use Separation | N/A | N/A | N/A | N/A | N/A |

Indicate section number per railing reduction

| ALLOWABLE HEIGHT | MAXIMUM BUILDING HEIGHT | MAXIMUM BUILDING HEIGHT |
|--|-------------------------|-------------------------|
| Building Height in Feet (Table 504.3) | 40' | 15'-0" |
| Building Height in Stories (Table 504.4) | ONE | ONE |

PERCENTAGE OF WALL OPENING CALCULATION

| FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINE | PERCENTAGE OF OPENING | PERCENTAGE OF OPENING | PERCENTAGE OF OPENING |
|--|-----------------------|-----------------------|-----------------------|
| +30' | UNLIMITED | UNLIMITED | UNLIMITED |

LIFE SAFETY SYSTEM REQUIREMENTS

- Emergency Lighting: **NO**
- Exit Signs: **NO**
- Fire Alarm: **NO**
- Smoke Detection System: **NO**
- Carbon Monoxide Detector: **NO**
- Public Address: **NO**
- Particulate Hard Hat: **NO**

LIFE SAFETY PLAN REQUIREMENTS

- Fire and smoke rated wall separations (Chapter 7)
- Assumed and provided fire line locations (if not on the site plan)
- Exterior wall opening area with respect to distance to assumed property lines (705.8)
- Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- Exit access travel distances (1017)
- Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- Dead end lengths (1020.4)
- Clear exit widths for each exit door
- Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- Actual occupant load for each exit door
- A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation
- Location of doors with panic hardware (1010.1.10)
- Location of doors with delayed egress locks and the amount of delay (1010.1.9.7)
- Location of doors with electromagnetic egress locks (1010.1.9.9)
- Location of doors equipped with hold-open devices
- Location of emergency escape windows (1030)
- The square footage of each fire area (202)
- The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
- Note any code exceptions or table notes that may have been utilized regarding the items above

GENERAL NOTES

- GENERAL CONTRACTOR TO VERIFY ALL REQUIREMENTS AS TO EXACT SIZE AND QUANTITY OF EQUIPMENT FURNISHED BY THE OWNER AND KITCHEN VENDOR AND BE RESPONSIBLE FOR ALL ROUGH IN CONNECTIONS.
- EACH SUBCONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJACENT WORK AND SHALL REPAIR DAMAGE WORK AT THEIR OWN EXPENSE.
- PROVIDE ALL FIRE/EMERGENCY SYSTEMS AS REQUIRED BY ALL APPLICABLE CODES. FIRE/EMERGENCY SYSTEMS INCLUDE BUT ARE NOT LIMITED TO: FIRE EXTINGUISHERS, FIRE SUPPRESSION, FIRE ALARMS, SMOKE DETECTORS, HEAT DETECTORS AND EXIT SIGNS.
- ERECT AND MAINTAIN ALL BARRICADES AND DUST/DEBRIS CONTROL AS REQUIRED BY LOCAL AUTHORITIES.
- ALL DOOR OPENINGS TO BE FRAMED 6" OFF ADJACENT WALL, HINGE SIDE OF DOOR UNLESS NOTED OTHERWISE.
- COORDINATE ANY KITCHEN EQUIPMENT INSTALLATION WITH KITCHEN EQUIPMENT SUPPLIER.
- FIRE EXTINGUISHERS SHALL BE GENERAL PURPOSE TYPE UNLESS OTHERWISE NOTED. PLEASE SEE SHEET A-11 FOR CLARIFICATION.
- PROVIDE TERMITICIDE SOIL TREATMENT.

ACCESSIBLE DWELLING UNITS
 (SECTION 1107)
NOT APPLICABLE

ACCESSIBLE PARKING
 (SECTION 1106)
 REFER TO CIVIL DRAWINGS

SPECIAL APPROVALS
 (Section 1009.4)
 Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)
 NONE
 2018 NC Administrative Code and Policies

SCHEDULE OF SPECIAL INSPECTION SERVICES
 No special inspections required for this project SPECIAL INSPECTIONS REQUIRED
 REFER TO SHEETS 1.3-1.1 (BUILDING IS LESS THAN 45 FEET OR THREE STORIES)

The following sheets comprise the required schedule of special inspections for this project. The construction divisions which require special inspections for this project are as follows:

- IT-1 Verification of Soils
- IT-2 Excavation and Fill
- IT-3 Piling and Drilling Piers
- IT-4 Modular Retaining Walls
- IT-5 Reinforced Concrete
- IT-6 Post Tension Slab
- IT-7 Pre-cast Concrete Erection
- IT-8 Pre-stressed Concrete
- IT-9 Inspection of Pre-cast Fabricators
- IT-10 Inspection of Structural Steel Fabrications
- IT-11 Structural Masonry
- IT-12 Welding
- IT-13 High Strength Bolts & Steel Framing Insp.
- IT-14 Sprayed Fire-Resistance Materials
- IT-15 Exterior Insulation and Finish System (WIBB Only)
- IT-16 Seismic Resistance
- IT-17 Smoke Control
- IT-18 Dentition Basin
- IT-19 Special Cases

Check the above boxes for the special inspection required for this project and list the specific special inspections required under chapter 17.

DESIGN LOADS:
 THIS SECTION PROVIDED IN STRUCTURAL DRAWINGS. SEE STRUCTURAL DRAWINGS AND A COMPONENT OF THIS PROJECT LOCATION: GRAHAM, NC
 NEW CONSTRUCTION OCCUPANCY CATEGORY: STORAGE S-2
 SEISMIC DESIGN CATEGORY: II

ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE:
 THIS SECTION PROVIDED IN ELECTRICAL DRAWINGS. ELECTRICAL DRAWINGS ARE A COMPONENT OF THIS PROJECT

MECHANICAL SYSTEMS, SERVICE SYSTEMS, AND EQUIPMENT METHOD OF COMPLIANCE:
 THIS SECTION PROVIDED IN MECHANICAL DRAWINGS-IF MECHANICAL DRAWINGS ARE A COMPONENT OF THIS PROJECT

PLUMBING FIXTURE REQUIREMENTS

| REQUIRED FIXTURES | WATER CLOSETS | URINALS | LAVATOIRS | SHOWERS | DRINKING FOUNTAINS |
|-------------------|---------------|---------|-----------|---------|--------------------|
| REQUIRED | 1 | 0 | 1 | 0 | 0 |
| PROVIDED | 2 | 0 | 2 | 0 | 0 |

1. PER TABLE 403.1.2(1) PLUMBING CODE-NONE SERVICE IS REQUIRED FOR S-1 OCCUPANCIES. 1 IS PROVIDED
 2. PER SECTION 403.2 EXCEPTION NO SEPARATE FACILITIES ARE NOT REQUIRED
 3. PER SECTION 1109.2 EXCEPTION NO SEPARATE FACILITIES ARE NOT REQUIRED
 4. ACCESSIBLE PUBLIC ACCESS TOILET IS ACCESSIBLE
 5. ACCESSIBLE EYEWASH STATION TO BE PROVIDED. REFER TO PLUMBING DRINGS

THE ARCHITECT/ENGINEER DOES NOT DEFINE THE SCOPE OF INDIVIDUAL TRADES, SUBCONTRACTORS, MATERIAL SUPPLIERS, OR VENDORS. ANY SHEET IDENTIFIES DISCIPLINES IS SOLELY TO SEPARATE ARCHITECT'S AND ENGINEER'S SCOPE. IT DOES NOT DEFINE A SUBCONTRACTOR'S SCOPE OF WORK, ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, CODES OR CONSTRUCTION SEQUENCING SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING. NO CONSIDERATION WILL BE GIVEN TO REQUESTS FOR CHANGE ORDERS FOR FAILURE TO OBTAIN AND REVIEW THE COMPLETE SET OF CONSTRUCTION DOCUMENTS, OR FOR FAILURE TO SEEK INTERPRETATION FROM ARCHITECT FOR DISCREPANCIES.

ENERGY SUMMARY

ENERGY REQUIREMENTS:
 The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: **N/A**
 Exempt Building: **N/A**
 Climate Zone: **ZONE 4A**
 Method of Compliance: **PRESCRIPTIVE**
 (If "Other" specify source here)

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly #1)
 Description of assembly: **INSULATION ABOVE CONDITIONED SPACE WITH R-19 INSULATION BETWEEN 2X10 STUDS WITH 1/2" GYPSUM BOARD ON TOP AND 1/2" GYPSUM BOARD ON BOTTOM WITH R-13 BATT INSULATION BETWEEN 2X10 STUDS**
 U-Value of total assembly: **U=0.044**
 R-Value of insulation: **R=22.9**
 Skylights in each assembly: **N/A**
 U-Value of skylight: **N/A**
 Total square footage of skylights in each assembly: **N/A**

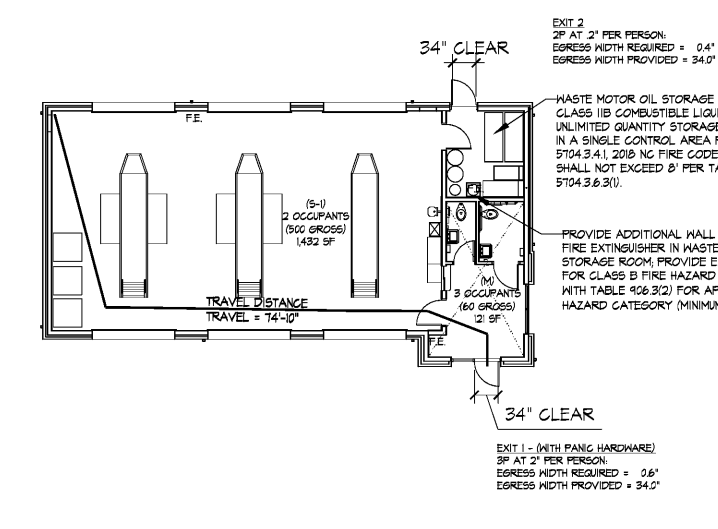
Exterior Walls (each assembly #1)
 Description of assembly: **1" CONTINUOUS RIGID INSULATION (R5.5) OVER 2X4 WOOD STUDS WITH 1/2" GYPSUM BOARD ON INTERIOR AND 1/2" GYPSUM BOARD ON EXTERIOR WITH R-13 BATT INSULATION**
 U-Value of total assembly: **U=0.044**
 R-Value of insulation: **R=13 + R5.5 = 18.5**

Exterior Windows (each assembly #1)
 Description of assembly: **AT INTERIOR WALL BETWEEN NON-CONDITIONED AND CONDITIONED LOBBY/REAR ROOM AREA**
 U-Value of total assembly: **R=13 + R5.5 = 18.5**
 R-Value of insulation: **R=13 + R5.5 = 18.5**

Walls below grade (each assembly)
 Description of assembly: **N/A**
 U-Value of total assembly: **N/A**
 R-Value of insulation: **N/A**

Floors over unconditioned space (each assembly)
 Description of assembly: **N/A**
 U-Value of total assembly: **N/A**
 R-Value of insulation: **N/A**

Floors slab on grade
 Description of assembly: **N/A**
 U-Value of total assembly: **N/A**
 R-Value of insulation: **N/A**
 Horizontal/vertical requirement: **R-15 FOR 24" HORIZONTAL slab heated.**



LIFE SAFETY PLAN

SCALE: 3/32" = 1'-0"

421 Pezman Street, Suite 200, Charlotte, NC 28203
 Email: esd@esdarch.com • Phone: 704-373-1900

ESD ARCHITECTURE
 CERT. NO. 50516
 NORTH CAROLINA

STRICKLAND BROTHERS
 10 MINUTE OIL CHANGE
 810 SOUTH MAIN STREET
 GRAHAM, NC

ELLIOTT CLAY ELDER
 REGISTERED ARCHITECT
 NORTH CAROLINA
 CHARLOTTE, N.C.

ISSUE DATE: 6/5/20
 REVISION 1: **---**
 REVISION 2: **---**
 REVISION 3: **---**
 REVISION 4: **---**
 PROJECT #: 20-127
 CONTENT: APPENDIX B, LIFE SAFETY PLAN & GENERAL NOTES
 PROJECT ARCHITECT