MURPHY USA

PFS CORPORATION
Approval Limited to Factory Built Portion Only
State: South Carolina
Signature: Mark Iverson
Title: Staff Plan Reviewer
Date: 5/8/18

STORE #1382

MODULAR CONVENIENCE STORE

508 SC - 72, GREENWOOD, SC, 29646

26'-10" x 45'-2" Modular C-Store

Order Plans @ www.LDILine.com

ABBREVIATIONS

& = AND
L =ANGLE
@ = AT
℄ CENTERLINE
Ø = DIA. OF ROUND
= POUND OR NUMBER
(E) = EXISTING
(R) = RELOCATED
(N) = NEW

A.B. = ANCHOR BOLT
A.F.F. = ABOVE FINISH FLOOR
AGGR. = AGGREGATE
AL. = ALUMINUM
APPROX. = APPROXIMATE
ARCH. = ARCHITECTURAL
ASPH. = ASPHALT

BD. = BOARD
BITUM. = BITUMINOUS
BLDG. = BUILDING
BLKG. = BLOCKING
BM. = BEAM
BOT. = BOTTOM
BW = BACK OF WALK

CAB. = CABINET
CEM. = CEMENT
CER. = CERAMIC
C.I. = CAST IRON
C.J. = CONTROL JOINT
CLG. = CEILING
CLR./CL = CLEAR
COL. = COLUMN
CONC. = CONCRETE
CONSTR. = CONSTRUCTION
CONT. = CONTINUOUS
CTSK. = COUNTERSUNK
CNTR. = COUNTER
CTR. = CENTER

DEPT. = DEPARTMENT
DET. = DETAIL
DIA. = DIAMETER
DIM. = DIMENSION
DISP. = DISPENSER
DN. = DOWN
DR. = DOOR
D.S. = DOWNSPOUT
DWG. = DRAWING

E = EAST
EA. = EACH
EL. = ELEVATION
ELEC. = ELECTRICAL
EQ. = EQUAL
EXP. = EXPANSION
EXT. = EXTERIOR

F.F. = FLOOR FINISH
FDN. = FOUNDATION
FG. = FINISH GRADE
FIN. = FINISH
FL. = FLOOR
FLASH'G. = FLASHING
FLUOR = FLUORESCENT
F.O.C. = FACE OF CONCRETE
F.O.F. = FACE OF FINISH
F.O.S. = FACE OF STUDS
F.R.P. = FIBERGLASS REINFORCED PANEL
F.S. = FLOOR SINK
FT. = FOOT OR FEET
FTG. = FOOTING
FURR. = FURRING
FUT. = FUTURE

G.A. = GUAGE
GLAV. = GALVANIZED
GL. = GLASS
GR. = GRADE
GB = GRADE BEAM
GSM = GALVANIZED SHEET METAL
GYP. = GYPSUM
GYP. BD. = GYPSUM BOARD

H.B. = HOSE BIB
HDWE. = HARDWARE
H.M. = HOLLOW METAL
HORIZ. = HORIZONTAL
HR. = HOUR
HGT. = HEIGHT

IE = INVERT ELEVATION
I.D. = INSIDE DIAMETER
INSUL. = INSULATION
INT. = INTERIOR

JT. = JOINT

LAM. = LAMINATE
LAV. = LAVATORY
LIP = EDGE OF SWALE OR GUTTER

MAX. = MAXIMUM
MECH. = MECHANICAL
MEMB. = MEMBRANE
MFR. = MANUFACTURER
MIN. = MINIMUM
MISC. = MISCELLANEOUS
M.O. = MASONRY OPENING
MTD. = MOUNTED
MUL. = MULLION

N. = NORTH
N.I.C. = NOT IN CONTRACT
NO. or # = NUMBER
NOM. = NOMINAL
N.T.S. = NOT TO SCALE

O.C. = ON CENTER
O.D. = OUTSIDE DIAMETER
OPNG. = OPENING
OPP. = OPPOSITE

PB = LEVEL PAVEMENT AT DISPENSER
PIT BOX
PL. = PLATE
P.LAM = PLASTIC LAMINATE
PLYWD. = PLYWOOD
P.O.C. = POINT OF CURVATURE
P.O.S. = POINT OF SALE

R or RAD. = RADIUS
R.D. = ROOF DRAIN
REF. = REFERENCE
REINF. = REINFORCED
REQ'D. = REQUIRED
RM. = ROOM
R.O. = ROUGH OPENING
R.O.W. = RIGHT OF WAY

SCHED. = SCHEDULE
SECT. = SECTION
SHT. = SHEET
SPEC. = SPECIFICATION
SQ. = SQUARE
S.ST. = STAINLESS STEEL
STD. = STANDARD
STL. = STEEL
STOR. = STORAGE
STRL. = STRUCTURAL
SYM. = SYMMETRCAL

T.C. = TOP OF CURB
TG = TOP OF GRATE
T & G = TONGUE & GROOVE
THK. = THICK
TI = TOP OF ISLAND
T.O. = TOP OF
TOW = TOP OF WALL
TP = TOP OF PAVEMENT
TS = TOP OF SLAB
TW = TOP OF WALK
TYP. = TYPICAL

UNF. = UNFINISHED
U.O.N. = UNLESS OTHERWISE NOTED

VERT. = VERTICAL
V.I.F. = VERIFY IN FIELD

W. = WEST
W/ = WITH
W.C. = WATER CLOSET
WD. = WOOD
W/O = WITHOUT
WP. = WATERPROOF
WSCT. = WAINSCOT
WT. = WEIGHT

PROJECT DATA

PROJECT DESCRIPTION: PROPOSAL FOR A NEW CONVENIENCE STORE AT A FUEL SALES FACILITY (FUEL FACILITY UNDER SEPARATE PERMIT- N.I.C.)

TOTAL BUILDING AREA: 1,212 SF (ONE STORY)

CONSTRUCTION TYPE (BUILDING): II-B (NON-SPRINKLERED)

OCCUPANCY: M (MERCANTILE)

MAX. BUILDING HEIGHT: 13'-10" PROVIDED (55'-0" ALLOWED)

ALLOWABLE AREAS: CONVENIENCE STORE: 12,500 SF, CONSTRUCTION TYPE: II-B, AND M OCCUPANCY (COMPLIES W/ TABLE 503)

PER 2015 BUILDING CODE, SPRINKLER SYSTEM IS NOT REQUIRED IN MERCANTILE OCCUPANCY BUILDINGS WITH AREA LESS THAN 12,000 SF (SECTION-903.2.7)

CONVENIENCE STORE BUILDING AREA

1. ACCESSORY STORAGE AREA, MECHANICAL EQUIPMENT ROOM	
A. AREA OF BACK ROOM/ UTILITY:	= 144 SF
B. AREA OF WALK-IN COOLER:	= 253 SF
2. SALES AREA	= 716 SF
3. AUXILLARY AREA S (HALLWAY, RESTROOMS)	= 52 SF
TOTAL GROSS FLOOR AREA:	**= 1,165 SF**

OCCUPANT LOAD

1. ACCESSORY STORAGE AREA, MECHANICAL EQUIPMENT ROOM:	397 SF / 300 = 2 OCC.
2. SALES AREA:	716 SF / 60 = 12 OCC.
TOTAL OCCUPANT LOAD:	**= 14 OCCUPANTS**

EXITING
EXITS REQUIRED: 1 (FOR MAX. 49 OCCUPANTS AND MAX. 75' TRAVEL DISTANCE PER TABLE-1021.2)
EXITS PROVIDED: 3 (26 OCCUPANTS AND 46' MAX. TRAVEL DISTANCE TO EXIT)

EGRESS WIDTH REQUIRED: 14 OCCUPANTS X 0.2" = 2.8"
EGRESS WIDTH PROVIDED: 34" X 3 = 102"

PLUMBING FIXTURES:

PER APPLICABLE CITY PLUMBING CODE, SEPARATE RESTROOM FACILITIES ARE NOT REQUIRED IN MERCANTILE OCCUPANCIES IN WHICH THE MAXIMUM OCCUPANT LOAD IS 100 OR LESS. (SECTION-403.2.3)

ONE SINGLE OCCUPANCY UNISEX ACCESSIBLE RESTROOM IS PROVIDED

DRINKING FOUNTAINS ARE NOT NEEDED AS OUR OCCUPANT LOAD IS LESS THATN 15. AS PER PLUMBING CODE SECTION 410.2

APPLICABLE CODES

FOR THE STATE OF SOUTH CAROLINA:

2015 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL FIRE CODE
2015 INTERNATIONAL PLUMBING CODE
2015 INTERNATIONAL MECHANICAL CODE
2009 INTERNATIONAL ENERGY CONSERVATION CODE
2015 INTERNATIONAL FUEL GAS CODE
2015 INTERNATIONAL ELECTRICAL CODE
2017 ICC A117.1 - 2017 ACCESSIBLE AND USABLE BUILDING FACILITIES (1)

FOR THE CITY OF GREENWOOD, SC:

2015 INTERNATIONAL BUILDING CODE
2015 INTERNATIONAL FIRE CODE
2015 INTERNATIONAL PLUMBING CODE
2015 INTERNATIONAL MECHANICAL CODE
2009 INTERNATIONAL ENERGY CONSERVATION CODE
2015 INTERNATIONAL FUEL GAS CODE
2014 NATIONAL ELECTRICAL CODE

PROJECT TEAM

ARCHITECT CONTACT:

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3 EXECUTIVE DRIVE, SUITE 150
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STRUCTURAL ENGINEER CONTACT:

BAKER INGRAM & ASSOCIATES
TWO WHITEHORSE PIKE
HADDON HEIGHTS, NJ 08035
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MECHANICAL, PLUMBING, ELECTRICAL ENGINEER CONTACT:

GREENBERG FARROW
1430 WEST PEACHTREE STREET, SUITE 200
ATLANTA, GA 30309
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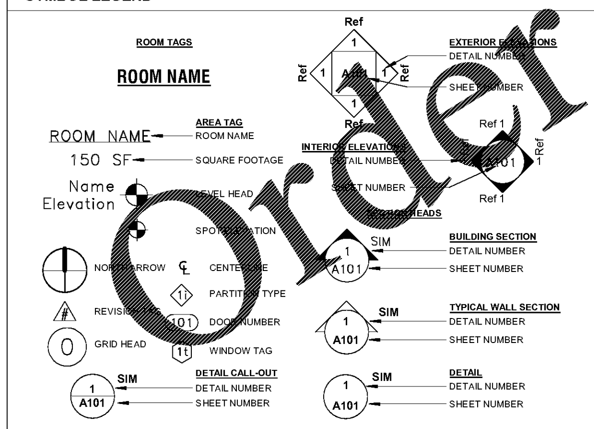
GENERAL NOTES

1. COORDINATE ALL EQUIPMENT PLACEMENTS, SUPPORTS, AND CONNECTIONS WITH EQUIPMENT SUPPLIERS.
2. COMPLY WITH ALL LOCAL BUILDING CODES, ORDINANCES, AND CONSTRUCTION STANDARDS.
3. FOR COMPLETE MECHANICAL SYSTEM LOCATIONS AND SIZES OF SUPPLY, RETURN, AND DUCTWORK, SEE MECHANICAL PLANS.
4. FOR COMPLETE ELECTRICAL SYSTEM LOCATIONS AND SIZES OF LIGHTING, OUTLETS, PHONES, AND ELECTRICAL PANELS, SEE ELECTRICAL PLANS.
5. FOR COMPLETE PLUMBING LOCATIONS, SIZES, AND FIXTURE TYPES, SEE PLUMBING PLANS.
6. MANUALLY OPERATED EDGE OR SURFACE MOUNTED FLUSH BOLTS AND SURFACE BOLTS ARE PROHIBITED.
7. ALL WORK SHALL BE FURNISHED AND INSTALLED IN COMPLIANCE WITH APPLICABLE BUILDING CODES AND THE HIGHEST PROFESSIONAL WORKMANSHIP OF THE BUILDING TRADES PERFORMING UNDER THIS CONTRACT.
8. ALL REQUIRED CONTROLLED INSPECTIONS SHALL COMPLY WITH THE LOCAL BUILDING CODES. CONSTRUCTION SUPERVISOR SHALL COORDINATE THE WORK OF ALL TRADES AND SHALL BE RESPONSIBLE FOR THE SCHEDULING OF THE WORK.
9. ELECTRICAL SYSTEMS SHALL BE INSTALLED PER APPLICABLE ELECTRICAL CODE AND IN ACCORDANCE WITH ALL APPLICABLE UTILITY COMPANY SPECIFICATIONS AND MUNICIPAL JURISDICTIONAL CODES.
10. ALL PLUMBING AND ELECTRICAL PIPING CONDUIT SHALL BE CONCEALED EXCEPT AS OTHERWISE SPECIFIED.
11. COORDINATION OF PLANS AND SPECIFICATIONS: THE CONTRACTOR SHALL TAKE NO ADVANTAGE OF ANY APPARENT ERROR OR OMISSION. HE SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING, THE ARCHITECT WILL THEN MAKE SUCH CORRECTIONS AND INTERPRETATIONS AS MAY BE DEEMED NECESSARY FOR FULFILLING THE INTENT OF THE PLANS AND SPECIFICATIONS.
12. PROVIDE METAL ACCESS DOORS TO DUCTS AND OTHER MECHANICAL/ELECTRICAL EQUIPMENT THROUGH SPACES, OR CEILINGS AS REQUIRED BY MECHANICAL/ELECTRICAL DRAWINGS AND THE APPLICABLE REQUIREMENTS OF THE BUILDING CODES (BUILDING, MECHANICAL, ELECTRICAL).
13. PROPER STDS. OF CONSTRUCTION SHALL BE USED AS RECOMMENDED AS ACCEPTABLE STDS. IN THE INDUSTRY FOR ALL CONSTRUCTION EVEN IF NOT SPECIFIED IN DETAIL.
14. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADES, DRAWINGS AND SUBCONTRACTORS PRIOR TO CONSTRUCTION.
15. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR THE CORRECTNESS OF ALL DIMENSIONS.
16. IT IS THE G.C.'S RESPONSIBILITY TO COORDINATE LOCATE AND CONFIRM ALL UNDERGROUND/ OVERHEAD PLUMBING AND ELECTRICAL STUB UPS.
17. G.C. TO CAULK AND SEAL ALL EXPANSION JOINTS AT ALL INTERIOR CONCRETE PRIOR TO FLOORING.
18. ALL EXPOSED UNFINISHED METAL AND WOOD SHALL BE PAINTED AS PER DRAWINGS AND SPECIFICATION.
19. GENERAL CONTRACTOR SHALL ENCLOSE, SEAL, AND COVER ALL PIPE, CONDUIT, DUCT, AND STRUCTURAL PENETRATIONS IN ALL WALLS.
20. IN THE EVENT OF DISCREPANCIES BETWEEN ANY DRAWINGS AND/OR SPECIFICATIONS, THE MORE RESTRICTIVE CONDITION SHALL BE DEEMED AS THE CONTRACT REQUIREMENT, UNLESS OTHERWISE STATED.
21. CONTRACTOR TO MAINTAIN ROAD CLEANLINESS DURING CONSTRUCTION.

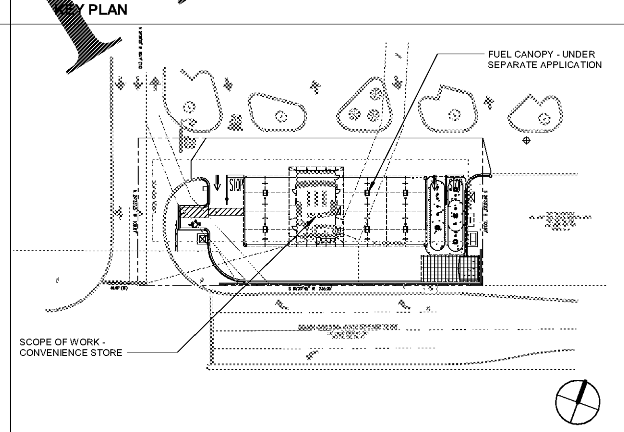
SHEET INDEX

SHEET NUMBER	SHEET NAME	PERMIT SUBMISSION SET 03/29/2018	REVISED PERMIT SET 05/02/2018
GENERAL			
CS1	COVER SHEET, SHEET INDEX & CODE DATA	•	•
A1	ACCESSIBILITY STANDARD NOTES & DETAILS	•	•
A2	EGRESS/ACCESSIBILITY FLOOR PLAN	•	•
S1	STRUCTURAL GENERAL NOTES	•	
ARCH/STRUCT			
E1	EXTERIOR ELEVATIONS	•	
E2	EXTERIOR ELEVATIONS	•	
E3	FLOOR PLAN	•	•
E4	FLOOR FRAMING PLAN	•	
E5	ROOF FRAMING PLAN	•	
E6	SECTION	•	•
E7	SECTION	•	•
E8	INTERIOR ELEVATIONS	•	•
E9	INTERIOR ELEVATIONS	•	•
E10	FLOOR FINISH PLAN	•	
ELECTRICAL			
EL1	ELECTRICAL PLAN	•	
EL2	LIGHTING PLAN	•	
EL3	ELECTRICAL DETAILS	•	
EL4	ELECTRICAL PANEL SCHEDULE	•	
PLUMBING			
P1	PLUMBING PLAN	•	
P2	PLUMBING & WATER RISER	•	
MECHANICAL			
M1	MECHANICAL PLAN	•	
M2	MECHANICAL ROOF PLAN	•	
FOUNDATION			
F1	FOUNDATION PLAN	O	
F2	FOUNDATION DETAILS	O	
GENERAL CONTRACTOR			
GC1	GENERAL CONTRACTOR SCOPE OF WORK	•	

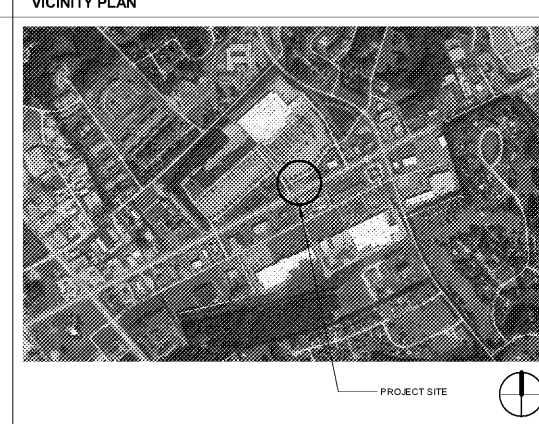
SYMBOL LEGEND



KEY PLAN



VICINITY PLAN



GENERAL BIDDING NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION AND SUBMITTALS TO UTILITY COMPANIES FOR THIS PROJECT.
2. CONTRACTOR SHALL PROVIDE UNIT PRICING TO OWNER ON ALL PHONE, GAS, TELECOMMUNICATION, AND POWER COST FOR THIS PROJECT INCLUDING BUT NOT LIMITED TO TRENCHING, CONDUIT, LINE PULLS, CONNECTION, ETC.
3. CONTRACTOR SHALL BID THIS PROJECT COMPLETELY WITH NO EXCEPTIONS UNLESS INSTRUCTED BY OWNER. CONTRACTOR SHALL PROVIDE ALLOWANCES ON ANY ITEM THAT CAN NOT BE RESOLVED DURING THE BID PROCESS.
4. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL UTILITY CONNECTIONS, EXISTING PLUMBING TAPS, ELECTRICAL PANEL LOCATIONS, GAS METERS AND MECHANICAL EQUIPMENT AGAINST THE PLANS AND REPORT ANY DISCREPANCIES DURING THE BID PROCESS
5. CONTRACTOR SHALL BE RESPONSIBLE FOR CLARIFICATION OF DOCUMENTS. SHOULD A BIDDER FIND DISCREPANCIES IN OR OMISSIONS FROM THE DRAWINGS OR DOCUMENTS, OR SHOULD HE BE IN DOUBT AS TO THEIR MEANING, HE SHALL NOTIFY THE ARCHITECT IN WRITING FIVE DAYS OR MORE BEFORE DATE SET TO RECEIVE BIDS, WHO WILL SEND, AFTER CONSIDERATION, IDENTICAL INSTRUCTIONS TO ALL BIDDERS. IN THE EVENT CLARIFICATION IS DEEMED NECESSARY, NEITHER OWNER NOR ARCHITECT WILL BE RESPONSIBLE FOR ORAL INSTRUCTIONS.
6. GENERAL CONTRACTOR SHALL VERIFY GOVERNING REQUIREMENTS PRIOR TO BID.
7. THE ARCHITECT ASSUMES THE GENERAL CONTRACTOR HAS INCLUDED IN HIS BID/PRICING THE HIGHEST QUALITY AND GREATEST QUANTITY FOR THE PURPOSE OF RESOLVING ANY CONFLICTS IN THE CONSTRUCTION DOCUMENTS WHICH ARE IMPLIED OR UNDEFINED.
8. ALL BID NUMBERS SHOULD INCLUDE BREAKDOWN OF UNIT PRICE.

MODULAR CONSTRUCTION

ITEMS TO BE INSTALLED IN FIELD, SUBJECT TO LOCAL CODE

HVAC UNITS AND CONDENSERS MOUNTED BY FMS AND ELECTRICAL HOOK-UP BY SITE ELECTRICIAN

ALL OTHER ITEMS BY GC/SITE CONTRACTOR

HVAC CONDENSER UNITS
C.T. CAN, METER AND DISCONNECT
WATER METER
ALL SITE WORK INCLUDING FOUNDATION

NOTES:

1. THESE BUILDINGS WILL BE LOCATED A DISTANCE GREATER THAN 20'-1" FROM PROPERTY LINES OR INTERIOR LOT LINES.
2. THIS BUILDING WILL NOT BE LOCATED IN A FLOOD PRONE AREA.
3. THE SITE CONTRACTOR IS TO PROVIDE HANDICAPPED ACCESSIBLITY TO ALL DOORS OF THE BUILDING.
4. ALL ITEMS REQUIRED UNDER PART III 28CFR36 TO BE PROVIDED ON SITE BY THE OWNER
5. MFG DATA PLATE, STATE INSIGNIA AND 3RD PARTY INSPECTION LABEL ARE LOCATED AS SHOWN ON E3.

(1) (2) (3)

SPECIAL INSPECTOR:

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1507 MATT PASS
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ISSUE RECORD

DATE	REV.	DESCRIPTION
03/29/2017		PERMIT SUBMISSION SET
05/02/2018	1	REVISED PERMIT SET

STATE OF SOUTH CAROLINA
GREENBERG FARROW INC.
ARLINGTON HTS., IL
03030
REGISTERED ARCHITECTS

PROFESSIONAL SEAL

STATE OF SOUTH CAROLINA
SUSAN KOUGIAS
Arlington Hts., IL
No. 9561
REGISTERED ARCHITECT
05-02-18

PROFESSIONAL IN CHARGE
SUSAN NELSON KOUGIAS

PROJECT MANAGER
JOHN NASHED

QUALITY CONTROL
CHRIS CERBO

DRAWN BY
SAMUEL VANORA

PROJECT NAME

MURPHY USA

MURPHY OIL CONVENIENCE STORE
508 SC - 72

GREENWOOD , SC 29646

FREY-MOSS STRUCTURE

1801 Rockdale Industrial Blvd.
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FMS JOB NUMBER
G18MU00025

FMS MODEL NUMBER
XXXXXX

PROJECT NUMBER
20170844.0

SHEET TITLE

COVER SHEET, SHEET INDEX & CODE DATA

SHEET NUMBER

CS1

PROTO V3.0 01/03/2017

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