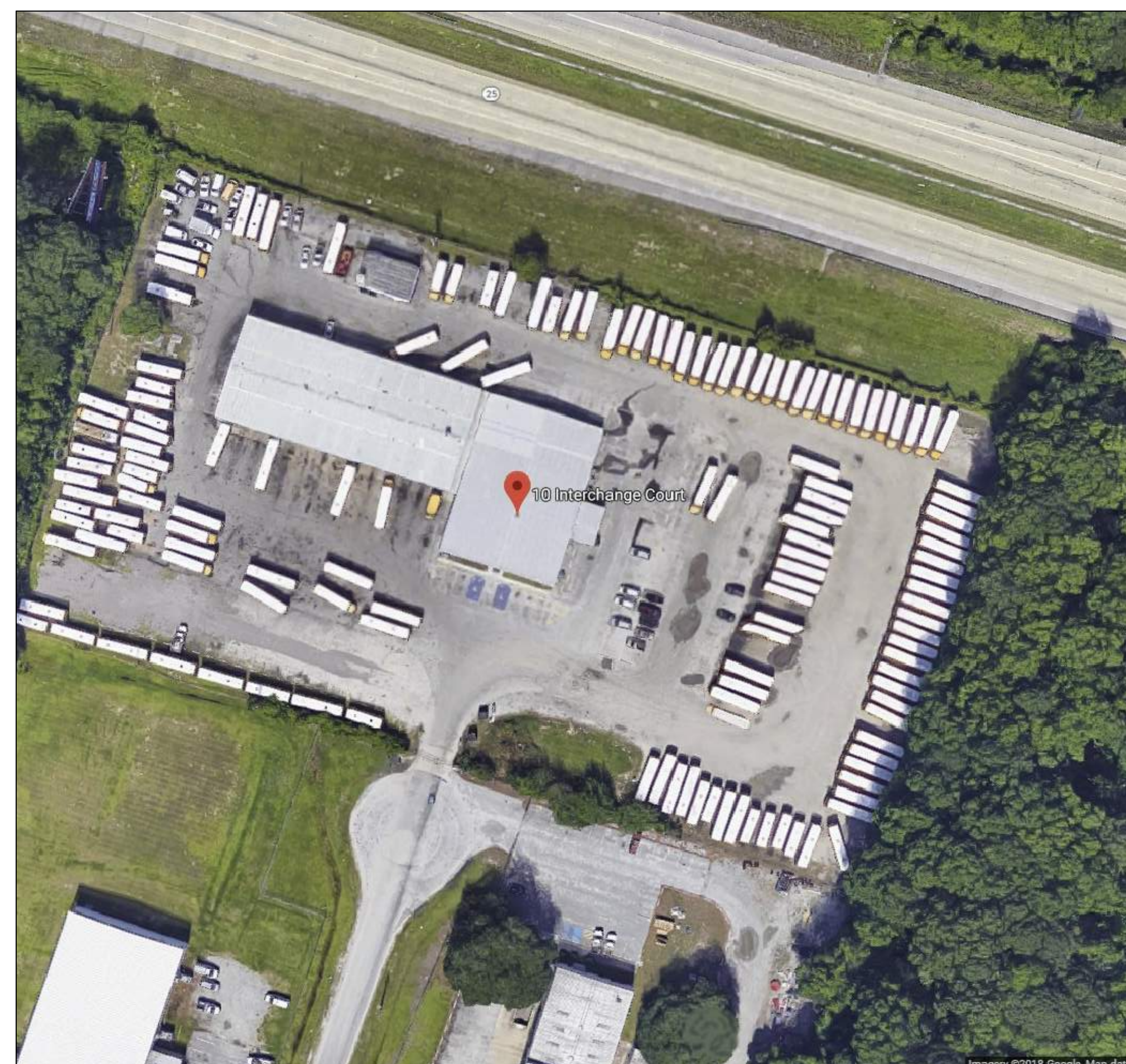


Construction Documents For

TRANSPORTATION SHOP ROLL UP DOOR REPLACEMENT

10 INTERCHANGE COURT
SAVANNAH, GEORGIA 31415
FACILITY CODE
BID NO. xxxxx



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KEY PLAN



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SHEET TITLE
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C-0

COVER SHEET
DEMOLITION PLAN
FLOOR PLAN AND DETAILS

C-0
A-1
A-2

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Savannah, GA 31405
Phone: (912) 232-1146

RAMSAY SHERRILL ARCHITECTS
119 A East Charlton Street
Savannah, GA 31401
Phone: (912) 238-5906

ELECTRICAL LEGEND, ABBREVIATION AND SPECIFICATIONS
FLOOR PLAN - ELECTRICAL

E-0
E-1

ELECTRICAL ENGINEER: FLOYD KEELS

ARCHITECT: SANDRA L. SHERRILL AIA

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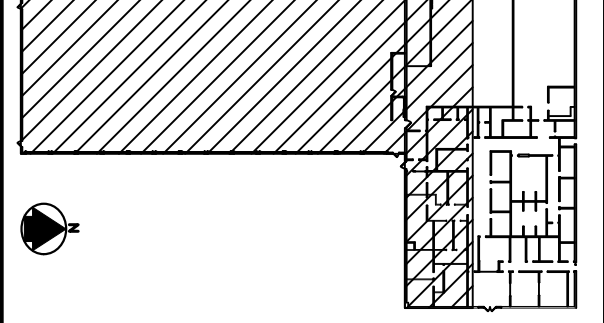
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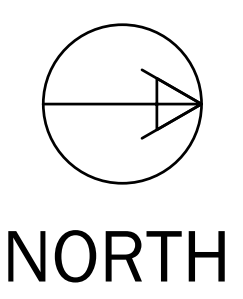
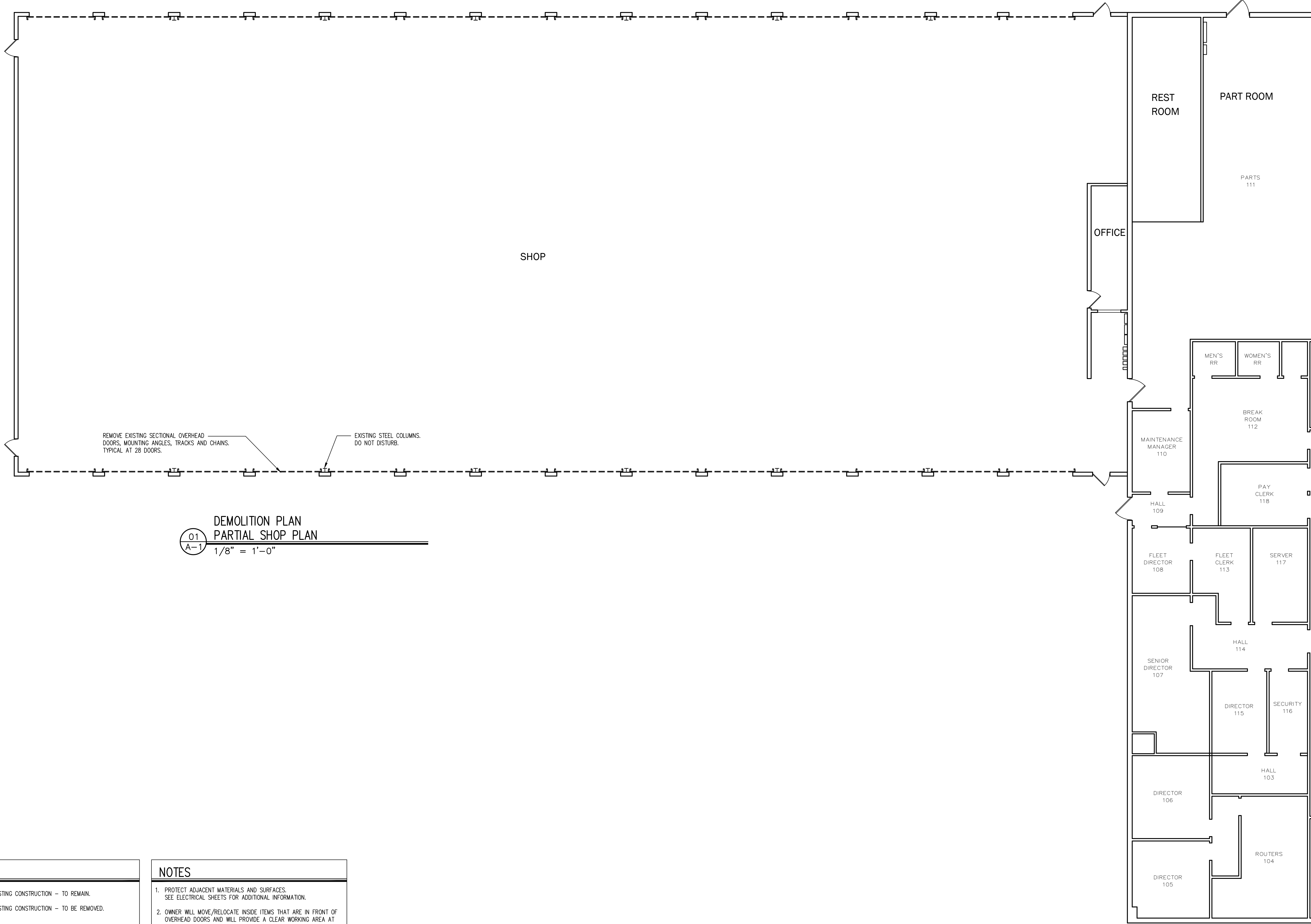
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DEMOLITION PLAN

SHEET NUMBER

A-1

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NORTH

01
A-1
DEMOLITION PLAN
PARTIAL SHOP PLAN
1/8" = 1'-0"

LEGEND	
	EXISTING CONSTRUCTION - TO REMAIN.
	EXISTING CONSTRUCTION - TO BE REMOVED.

NOTES	
1.	PROTECT ADJACENT MATERIALS AND SURFACES. SEE ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.
2.	OWNER WILL MOVE/RELOCATE INSIDE ITEMS THAT ARE IN FRONT OF OVERHEAD DOORS AND WILL PROVIDE A CLEAR WORKING AREA AT ALL DOOR LOCATIONS.
3.	EXISTING OVERHEAD FRAMING FOR DOORS MAY BE REMOVED, OR SECURED AND LEFT IN PLACE.

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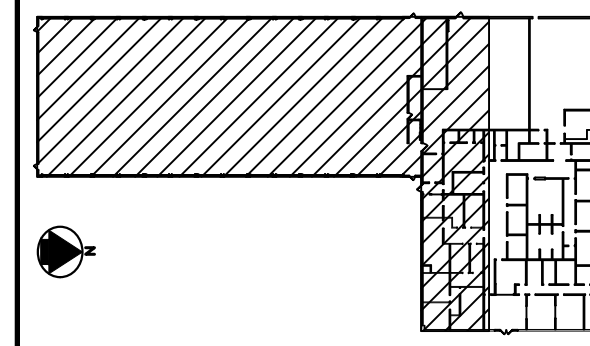


TRANSPORTATION SHOP ROLL UP
DOOR REPLACEMENT

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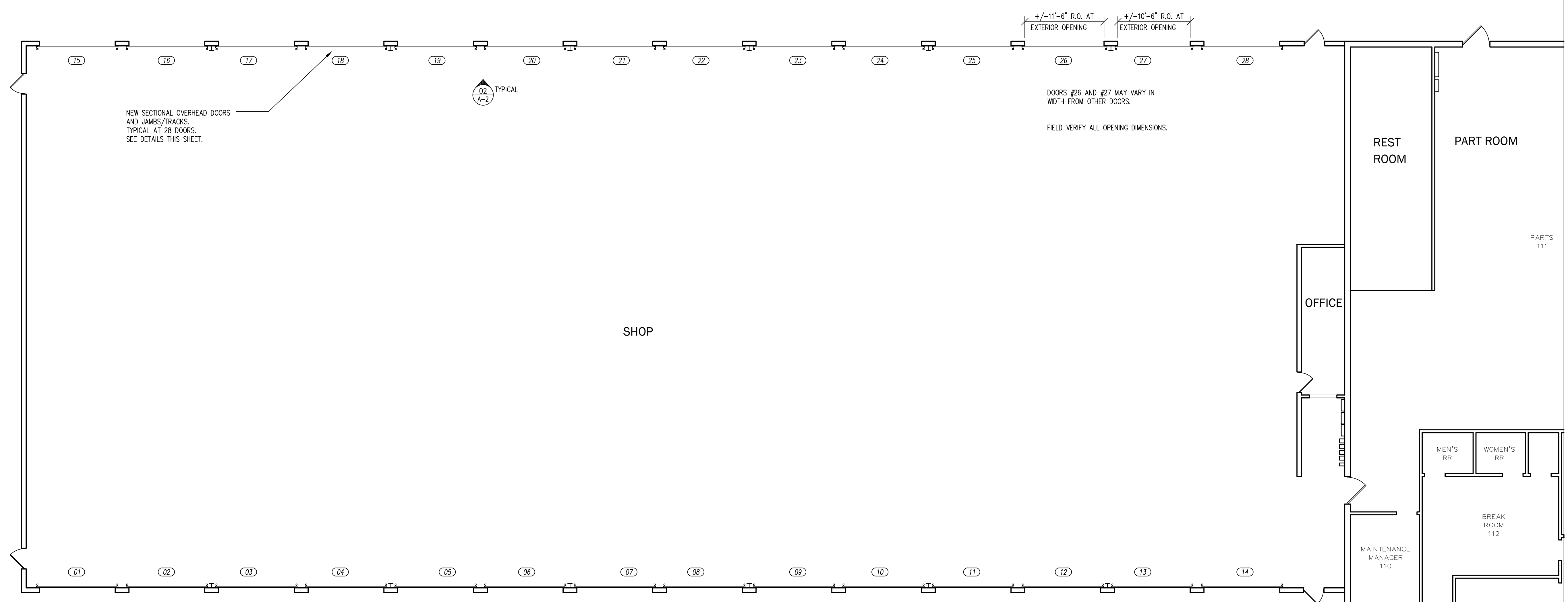
SHEET TITLE

FLOOR PLAN AND DETAILS

SHEET NUMBER

A-2

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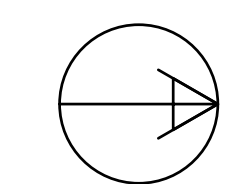
NEW SECTIONAL OVERHEAD DOORS AND JAMBS/TRACKS. TYPICAL AT 28 DOORS. SEE DETAILS THIS SHEET.

DOORS #26 AND #27 MAY VARY IN WIDTH FROM OTHER DOORS.

FIELD VERIFY ALL OPENING DIMENSIONS.

01 PARTIAL SHOP PLAN

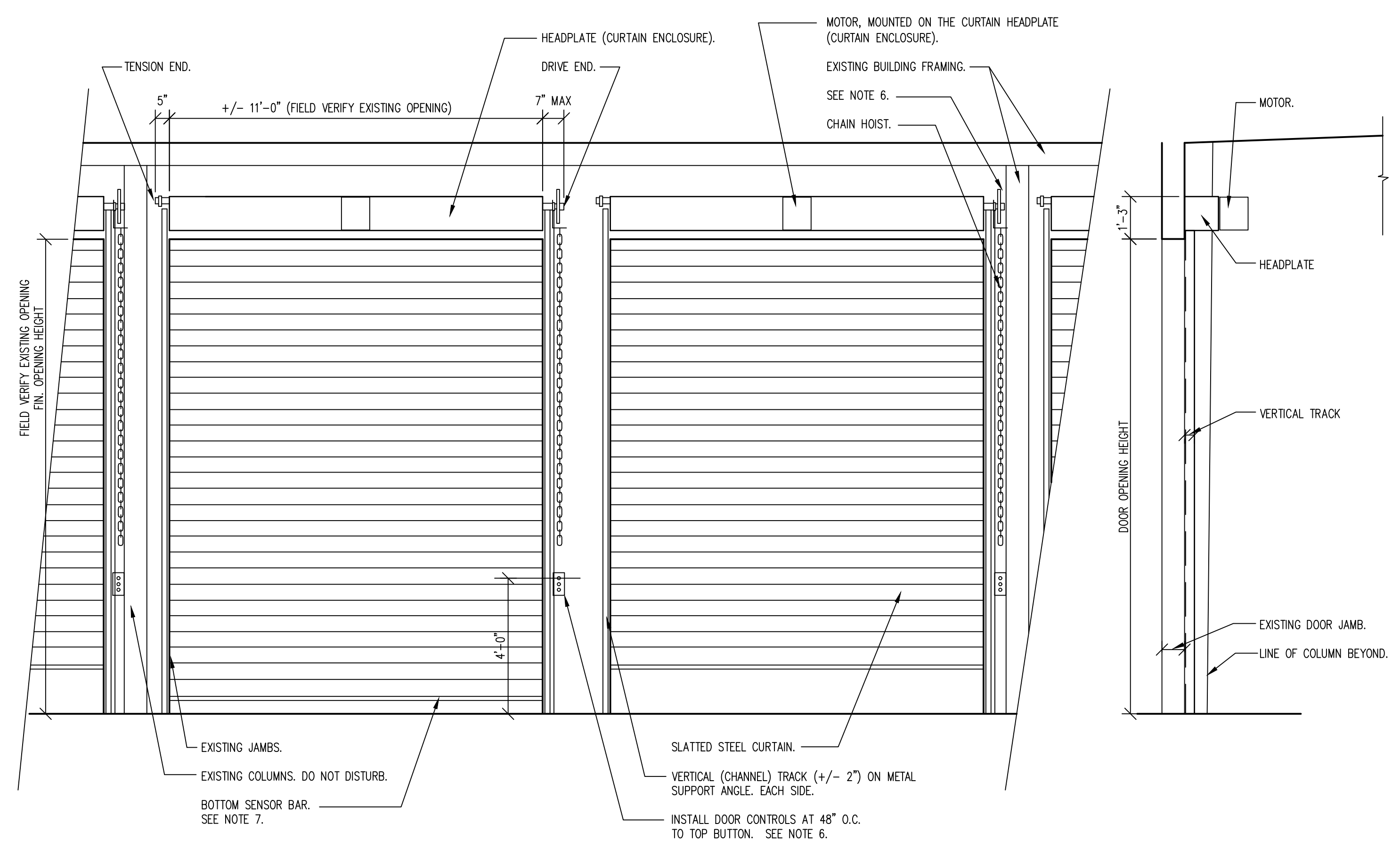
1/8" = 1'-0"



NORTH

NOTES

- 1. REPLACE ALL FINISHES, SURFACES AND MATERIALS DAMAGED DURING CONSTRUCTION. MATCH EXISTING.
2. FIELD VERIFY ALL EXISTING DOOR OPENING DIMENSIONS AND CONDITIONS...
3. ALL EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS...
4. SECURE MOUNTING ANGLES AND BRACKETS, FRAMING/ANGLES, TRACKS, AND HOUSING/HEADPLATE...
5. DO NOT ATTACH TO OR PENETRATE METAL BUILDING SKIN...
6. FIELD VERIFY EXISTING JAMB CLEARANCES...
7. IF ALTERNATE DELETING BOTTOM SENSOR BAR IS TAKEN, PROVIDE FULL LENGTH WEATHERSTRIPPING AT BOTTOM OF DOOR.



02 DOOR ELEVATIONS

3/8" = 1'-0"

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KEY PLAN

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SHEET TITLE
**ELECTRICAL LEGEND,
ABBREVIATION AND
SPECIFICATIONS**

SHEET NUMBER

E-0

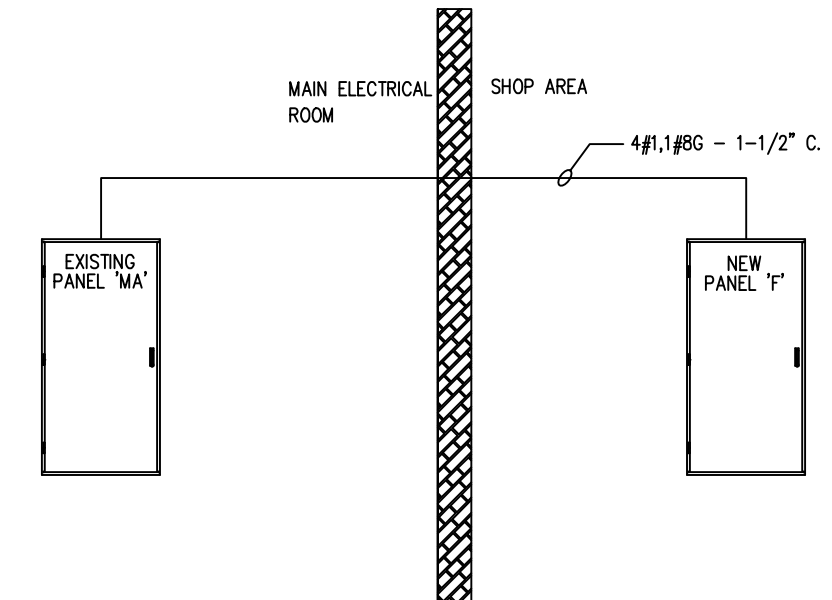
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LEGEND	
SYMBOL	DESCRIPTION
A-1,3,5	A - 1,3,5 ADJACENT TO ARROW INDICATES HOMERUN OF BRANCH CIRCUITS 1, 3, 5 TO PANEL A. ONE ARROW PER BRANCH CIRCUIT. TYPE OF RACEWAY INSTALLATION INDICATED BY HOMERUN SHALL APPLY TO ENTIRE CIRCUIT. EACH BRANCH CIRCUIT SHALL CONTAIN (2) #12 CONDUCTORS IN EMT CONDUIT UNLESS NOTED OTHERWISE. EQUIPMENT GROUNDING CONDUCTORS ARE NOT SHOWN, BUT ARE INCLUDED IN BRANCH CIRCUIT.
S	SINGLE POLE TOGGLE SWITCH- MT. 48" AFF OR AS INDICATED
S ^{3W}	THREE WAYS SWITCH- MT. 48" AFF OR AS INDICATED
S ^K	KEY SWITCH- MT. 48" AFF OR AS INDICATED
S ^{OV}	WALL MOUNTED OVERRIDE SWITCH BY SENSORSWITCH WSD PDT OR EQUAL BY DOUGLAS LIGHTING CONTROLS, WATTSTOPPER
S ^{OS}	WALL MOUNTED OCCUPANCY SENSOR BY SENSORSWITCH WSD PDT OR EQUAL BY DOUGLAS LIGHTING CONTROLS, WATTSTOPPER
ⓐ	JUNCTION BOX
ⓐ	NEMA 5-20R DUPLEX RECEPTACLE- MT. 18" AFF OR AS INDICATED
ⓐ	NEMA 5-20R DUPLEX RECEPTACLE- MT. 48" AFF OR 6" ABOVE BACKSPASH
ⓐ	NEMA 5-20R DOUBLE DUPLEX RECEPTACLE- MT. 18" AFF OR AS INDICATED
ⓐ	NEMA 5-20R DUPLEX RECEPTACLE, FLOOR MTD. TOP OF DEVICE FLUSH WITH FINISHED FLOOR
ⓐ	SPECIAL PURPOSE RECEPTACLE
ⓐ	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE- MT. 18" AFF
ⓐ	GROUND FAULT RECEPTACLE - MT. 48" AFF OR 6" ABOVE BACKSPASH
ⓐ	GFI DUPLEX RECEPTACLE, MT. 18" AFF OR 24" AFG WITH WEATHERPROOF COVER
ⓐ	CEILING MTD DUPLEX RECEPTACLE
ⓐ	CEILING MTD QUAD RECEPTACLE
ⓐ	PANELBOARD, FLUSH MOUNTED
ⓐ	PANELBOARD, SURFACE MOUNTED
T	DRY-TYPE TRANSFORMER - VOLTAGE, PHASE, AND KVA AS INDICATED
ⓐ	EQUIPMENT AS NOTED
M	ELECTRIC METER
ⓐ	RACEWAY INSTALLED CONCEALED IN WALLS AND/OR ABOVE CEILING OR EXPOSED
ⓐ	RACEWAY INSTALLED CONCEALED IN OR BELOW FLOOR SLAB OR BELOW GRADE
ⓐ	RACEWAY INSTALLED EXPOSED
ⓐ	FLEXIBLE METALLIC RACEWAY
ⓐ	CONDUIT UP/CONDUIT DOWN
ⓐ	CONDUIT TERMINATION, STUB-OUT AND CAP AS REQUIRED
ⓐ	GROUND
ⓐ	MOTOR, HORSEPOWER AS INDICATED
ⓐ	NON-FUSIBLE DISCONNECT SWITCH, RATING/POLES/ENCLOSURE AS INDICATED
ⓐ	FUSIBLE DISCONNECT SWITCH, RATING/POLES/ENCLOSURE, FUSES AS INDICATED
ⓐ	MAGNETIC STARTER
ⓐ	COMBINATION MAGNETIC STARTER/DISCONNECT SWITCH
DISCONNECT RATING	X / X / X PHASE NEMA RATING FUSED DISCONNECT SIZE

ALL SYMBOLS INDICATED HEREIN MAY NOT NECESSARILY BE USED ON THE PLANS

ABBREVIATIONS	
A OR AMP	AMPERES
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GROUND
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
AM	AMMETER
AS	AMMETER SELECTOR SWITCH
ASYM	ASYMMETRICAL
ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLF	CURRENT LIMITING FUSE
CNTL	CONTROL
CU	COPPER
D	DEPTH
DISC	DISCONNECT SWITCH
DISC SW	DISCONNECT SWITCH
EX	EXISTING TO REMAIN
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FMPX	FIRE ALARM MULTIPLEX PANEL
G OR GND	GROUND
H	HEIGHT
HP	HORSEPOWER
JB OR J	JUNCTION BOX
KVA	KILOVOLT - AMPS
KW	KILOWATTS
L	LENGTH
LA	LIGHTNING ARRESTOR
MCB OR MB	MAIN CIRCUIT BREAKER
MH OR MTG	MOUNTING HEIGHT
MLO	MAIN LUGS ONLY
MT OR MTD	MOUNT OR MOUNTED
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOC.
NTS	NOT TO SCALE
P	POLE
PART	PARTIAL
PH	PHASE
PMT	PAD MOUNT TRANSFORMER
PNL	PANELBOARD
RC	REMOTE CONTROL SWITCH
RECEPT	RECEPTACLE
RMS	ROOT MEAN SQUARE
SPD	SURGE PROTECTIVE DEVICE
S/Svs/S/Sos	SWITCH
SWBD	SWITCHBOARD
SYM	SYMMETRICAL
TBB	TELEPHONE BACKBOARD
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	VOLTS

- GENERAL NOTES: (FOR ALL DRAWINGS WHERE APPLICABLE)
- ALL 120V, 20A BRANCH CIRCUIT HOMERUNS OVER 100 FEET SHALL BE #10 CU. HOMERUNS OVER 150 FEET, SHALL BE #8 CU MINIMUM, UNLESS NOTED OTHERWISE.
 - WHEN CONDUCTOR SIZE IS INDICATED FOR BRANCH CIRCUIT HOME RUN, THE CONDUCTOR SIZE INDICATED SHALL BE USED FOR THE COMPLETE CIRCUIT.
 - ALL INDICATED MOUNTING HEIGHTS ARE TO THE CENTER OF DEVICE, UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE.
 - ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE (NEC) AND ALL OTHER CODES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
 - EQUIPMENT GROUNDING CONDUCTORS SHALL BE PROVIDED FOR ALL BRANCH CIRCUITS AND FEEDERS.
 - ALL CONDUIT STUB-UPS SHALL BE TERMINATED WITH NYLON END BUSHINGS AND PROVIDED WITH TWO NYLON PULLSTRINGS.
 - PROVIDE UL APPROVED SYSTEMS (HITI OR EQUAL) FOR PENETRATIONS THROUGH FIRE RATED SYSTEMS FOR EACH WIRING METHOD BEING UTILIZED.
 - CONTRACTOR SHALL COORDINATE WITH OTHER DISCIPLINES FOR EXACT ELECTRICAL REQUIREMENTS PRIOR TO PROCUREMENT OF ELECTRICAL EQUIPMENT.
 - VISIT THE SITE AND CAREFULLY EXAMINE THOSE PORTIONS OF THE SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSAL. SO AS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED SHALL NOT BE RECOGNIZED.
 - ELECTRICAL WORK REQUIRING INTERRUPTION OF ELECTRICAL POWER WHICH WOULD ADVERSELY AFFECT THE NORMAL OPERATION OF OTHER PORTIONS OF THE PROPERTY, SHALL BE DONE AT OTHER THAN NORMAL WORKING HOURS. COORDINATE ANY OUTAGES WITH OWNER.



1 RISER DIAGRAM
E-0 NTS

ELECTRICAL SPECIFICATIONS

- MATERIALS FURNISHED SHALL BE NEW. MATERIALS SHALL BE A MANUFACTURER'S STANDARD AND ESTABLISHED PRODUCT LINE, AND SHALL BE LISTED AND LABELED FOR THE APPLICATION BY UNDERWRITER'S LABORATORIES (U.L.), OR SHALL BE CERTIFIED BY OTHER APPROVED LABORATORY OR BY THE BUILDING OFFICIAL HAVING JURISDICTION.
- THE PLANS ACCOMPANYING THESE SPECIFICATIONS ARE GENERALLY DIAGRAMMATIC AND DO NOT SHOW ALL DETAILS REQUIRED FOR THE COMPLETE WORK. ESTABLISH DETAILS OF THE WORK AS NECESSARY TO PROVIDE FOR THE COMPLETE INSTALLATION OF SYSTEMS AND MATERIALS. ARRANGE THE WORK SO AS TO AVOID INTERFERENCE WITH OTHER BUILDING COMPONENTS OR SYSTEMS AS ACTUALLY INSTALLED.
- COMPLY WITH APPLICABLE OR NECESSARY JOB SAFETY PROVISIONS.
- PROVIDE FOR SYSTEM RACEWAYS, OUTLET BOXES, PULL "WIRES" OR "CORDS", OUTLET BOX OPENINGS, BOX EXTENSIONS, DEDICATED RECEPTACLES, BACKBOARDS, ETC. AS SPECIFIED AND INDICATED. TELEPHONE CABLE SHALL BE FURNISHED AND INSTALLED BY OTHERS.
- ELECTRICAL SYSTEMS, EQUIPMENT, AND SUPPORTING STRUCTURES SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED. BONDING JUMPERS SHALL BE PROVIDED WHERE NECESSARY. METAL ELECTRICAL RACEWAYS AND FITTINGS, JOINTS AND CONNECTIONS AT EQUIPMENT SHALL BE MECHANICALLY AND ELECTRICALLY SECURED TO PROVIDE AN APPROVED EQUIPMENT OR ENCLOSURE GROUNDING MEANS, EVEN WHEN NO OTHER SEPARATE GROUNDING MEANS ARE ALSO PROVIDED EITHER INHERENTLY OR BY BONDING.
- WHERE GREEN GROUNDING CONDUCTORS ARE NOT INDICATED SPECIFICALLY FOR EACH BRANCH CIRCUIT BY THE DRAWINGS, PROVIDE FOR EACH RACEWAY A GREEN #12 GROUNDING CONDUCTOR IN ADDITION TO BRANCH CIRCUIT CONDUCTORS INDICATED.
- UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ARCHITECT FOR SPECIAL APPLICATIONS, WIRING DEVICES SHALL BE INSTALLED WITH TOP-OF-BOX MOUNTING HEIGHTS ABOVE FINISHED FLOORS BETWEEN 18-INCHES AND 48-INCHES, AS REQUIRED BY HANDICAPPED CODES. MOUNTING HEIGHTS FOR SPECIFIC DEVICES SHALL BE AS SCHEDULED BY THE ARCHITECT.
- ELECTRICAL CONDUCTORS SHALL BE COLOR CODED AS FOLLOWS: EQUIPMENT GROUND: GREEN. PHASE CONDUCTORS: RED, BLUE, BLACK; NEUTRAL: WHITE; GROUNDING CONDUCTOR: GREEN.
- NOTIFY THE OWNER'S REPRESENTATIVE OF ANY NONFUNCTIONING MATERIAL OR POTENTIALLY UNSAFE CONDITION WITHIN THE PROJECT SYSTEMS THAT IS OBSERVED DURING THE CONDUCT OF WORK.
- WORK SHALL BE FURNISHED AND INSTALLED AS A MINIMUM IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS AND RECOMMENDATIONS OF THE LATEST LOCALLY ADOPTED EDITION OF CODES AND STANDARDS OF THE FOLLOWING:
 - NATIONAL ELECTRICAL CODE (NEC) - NFPA 70.
 - ENERGY CODE - ASHRAE/IESNA 90.1.
 - LIFE SAFETY CODE - NFPA 101.
 - OTHER NFPA STANDARDS: 90A AND 99
 - U.L. STANDARDS AND LISTING REQUIREMENTS AND NEMA STANDARDS, FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, CODES, AND RULINGS OF BUILDING OFFICIALS HAVING JURISDICTION IN SAVANNAH, GA.
- THE WORK COVERED BY THIS SPECIFICATION SHALL INCLUDE PROVIDING SUPERVISION, LABOR, SUPPLIES, MATERIALS (TO INCLUDE EQUIPMENT), TOOLS, SERVICES, DOCUMENTATION, TESTS & DEMONSTRATIONS, CERTIFICATES, AND DOLLAR COSTS REQUIRED TO CONSTRUCT THE COMPLETE SYSTEMS AS SPECIFIED HEREIN AND AS SHOWN BY THE PLANS AND OTHER RELEVANT DOCUMENTS.
- UNLESS OTHERWISE SPECIFICALLY SHOWN OR NOTED BY ELECTRICAL PLANS, PILOT DUTY CONTROL SYSTEMS AND RELATED WIRING FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED UNDER THE MECHANICAL SECTION OF THE SPECIFICATIONS.
- SERVICE EQUIPMENT SHALL BE PROVIDED RATED FOR BUILDING LOADS, INCLUDING INTERRUPTING RATINGS. SERVICE EQUIPMENT SHALL BE SERVED USING THE TYPE SERVICE ENTRANCE EQUIPMENT AS INDICATED BY THE PLANS.
- RECEPTACLES SHALL BE 20A, 125V, SPECIFICATION GRADE, MOUNTED 18" AFF UNLESS NOTED OTHERWISE.
- SWITCHES SHALL AS A MINIMUM BE "HEAVY-DUTY" RATED, QUICK MAKE AND BREAK, SPECIFICATION GRADE, SINGLE THROW DEVICES.
- DISTRIBUTION EQUIPMENT USING CIRCUIT BREAKER TYPE PROTECTIVE DEVICES SHALL USE BOLTED-ON OR "SQUARE D" I-LINE DEVICES.
- DISTRIBUTION EQUIPMENT SHALL BE AS INDICATED AND AS MANUFACTURED BY GENERAL ELECTRIC, CUTLER/HAMMER, SQUARE-D, SIEMENS.
- PANELBOARD MAINS SHALL BE COPPER WITH BRANCH DEVICE CONNECTIONS ARRANGED IN A VERTICALLY DISTRIBUTED CONSECUTIVE PHASE SEQUENCE SUCH THAT ONE OR MULTIPLE POLE BREAKERS CAN BE MOUNTED IN ANY POSITION. A SOLID NEUTRAL BUS SHALL BE PROVIDED WITH A FEEDER LUG AND WITH A SEPARATE SET-SCREW TERMINAL FOR EACH BRANCH CIRCUIT POLE.
- STARTERS AND DISCONNECT SWITCHES SHALL HAVE QUICK-MAKE AND QUICK-BREAK MECHANISMS, AND BE FULLY ENCLOSED.
- FIXTURE SUPPORTS AND HARDWARE SHALL BE SUITABLE METAL UNLESS OTHERWISE INDICATED. SUPPORT STUDS USED FOR INDOOR FIXTURE OR COMPONENT SUPPORT SHALL BE GALVANIZED STEEL OR MALLEABLE IRON; DIECAST STUDS SHALL NOT BE USED. PROVIDE SEISMIC RESTRAINTS ON ALL FIXTURES PER LOCAL REQUIREMENTS.
- LAMPS SHALL BE MANUFACTURED BY GENERAL ELECTRIC, PHILIPS, OR OSRAM/SYLVANIA.
- CONDUCTORS SHALL BE OF SOFT DRAWN, ANNEALED COPPER HAVING A CONDUCTIVITY OF NOT LESS THAN 98 PERCENT BY 'ASTM' STANDARDS.
- UNLESS OTHERWISE REQUIRED BY CODE OR INDICATED:
 - CONDUCTORS NO. 12 AWG AND NO. 10 AWG SIZE SHALL BE SOLID.
 - CONDUCTORS NO. 8 AWG SIZE AND LARGER SHALL BE STRANDED.
- RIGID STEEL AND IMC STEEL CONDUIT SHALL BE HOT DIP GALVANIZED. STEEL EMT SHALL BE HOT DIP GALVANIZED OUTSIDE, AND ENAMEL OR GALVANIZED FINISHED INSIDE.
- EMT COUPLINGS AND CONNECTORS SHALL BE METAL AND SET-SCREW TYPE.
- UNLESS OTHERWISE INDICATED, WIRING DEVICES SHALL BE:
 - SWITCHES: HUBBELL 1221 OR EQUAL.
 - RECEPTACLES: HUBBELL.
 - COLOR AS SELECTED BY OWNER.
- UNLESS OTHERWISE REQUIRED BY CODE OR FUNCTION OR INDICATED BY THE PLANS, CONDUCTORS FOR POWER AND LIGHTING BRANCH CIRCUITS SHALL BE #12 AWG MINIMUM.
- CONDUCTORS SHALL BE CONNECTED BY U.L. APPROVED CONNECTORS. BRANCH CIRCUIT WIRING TO SIZE #8 SHALL BE CONNECTED BY CONNECTORS WITH LIVE SPRING TENSION.
- WIRING SHALL BE INSTALLED IN METALLIC, RIGID TYPE RACEWAYS, UNLESS OTHERWISE INDICATED, SIZED PER NEC.
- RACEWAYS AND CABLE SHALL BE RUN CONCEALED, EXCEPT THAT RACEWAYS DESIGNED ONLY FOR SURFACE MOUNTING AND RACEWAYS AND CABLE IN EQUIPMENT ROOMS SHALL BE RUN EXPOSED, UNLESS OTHERWISE INDICATED. CONCEALED CONDUIT RUN ABOVE THE CEILING LINE SHALL BE SUPPORTED INDEPENDENTLY OF CEILING CONSTRUCTION. WHERE CEILINGS OF THE LAY-IN TYPE MAY BE USED, CONDUITS MUST BE INSTALLED HIGH ENOUGH TO PERMIT REMOVAL OF CEILING PANELS OR EQUIPMENT.
- RACEWAY OR CABLE, ETC. THAT PENETRATES A FIRE BARRIER, SUCH AS FIRE OR SMOKE RATED SLAB, WALL, CEILING, OR OTHER ELEMENT SHALL BE INSTALLED WITH MATERIALS AND METHODS APPROVED FOR THE APPLICATION BY LOCAL BUILDING OFFICIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING EACH FIRE BARRIER FROM THE ARCHITECTURAL PLANS, AND FOR SECURING APPROVAL OF MATERIALS AND METHODS TO BE USED FOR EACH TYPE PENETRATION.
- UNLESS OTHERWISE INDICATED, RACEWAYS SHALL BE AS FOLLOWS:
 - CONCEALED INSIDE WHERE NOT IN WET OR DAMP LOCATIONS AND NOT EXPOSED TO MECHANICAL INJURY, AND USED FOR 120V/20A BRANCH CIRCUITS: ELECTRICAL METALLIC TUBING (EMT) OR CABLE THAT IS LISTED IN NEC 250.118 AS AN ACCEPTABLE GROUNDING RETURN PATH, SUCH AS TYPE AC.
 - THROUGH TWO-HOUR RATED FIRE BARRIERS OR BUILDING EXTERIORS: GALVANIZED RIGID STEEL (GRS) CONDUIT MADE UP WATER TIGHT.
 - FINAL CONNECTION RACEWAYS IN DRY LOCATIONS SERVING LIGHTING FIXTURES, OR OTHER NON-MOTOR EQUIPMENT LIKELY TO REQUIRE MOVEMENT FOR ADJUSTMENT OR LIKELY TO TRANSMIT SHOCK OR VIBRATION INTO THE RACEWAY SYSTEM, BUT NOT REQUIRING FLEXIBILITY FOR OPERATION, AND WHERE APPROVED FOR THE APPLICATION SHALL BE FLEXIBLE METALLIC TUBING (FLEX) WHERE APPROVED FOR THE APPLICATION.
- BOXES SHALL NOT BE INSTALLED BACK-TO-BACK AND THRU-WALL TYPE BOXES SHALL NOT BE USED DUE TO TRANSMISSION OF SOUND OR HEAT AND SMOKE. OFFSET TO MAINTAIN FIRE RATING PER UL REQUIREMENTS.
- SUSPENDED CEILING CONSTRUCTION SHALL NOT BE USED TO SUPPORT RACEWAYS, BOXES OR OTHER ITEMS, EXCEPT AS ALLOWED BY CODE, ACCEPTED BY THE ENGINEER, AND ACCEPTED BY THE ARCHITECT IN WRITING FOR THE SPECIFIC ITEM(S) TO BE SUPPORTED.
- COVER PLATES FOR FLUSH, DRY, ORDINARY LOCATIONS SHALL BE STANDARD CONFIGURATION, ONE PIECE, STANDARD SIZE PLATES WITH MATCHING SCREWS, AND HAVING MATERIALS, STYLES, AND FINISHES AS SELECTED BY ARCHITECT.
- CONFIRM THE FOLLOWING WITH THE OWNER PRIOR TO ROUGH-IN: EXACT LOCATIONS OF RECEPTACLES, VOICE/DATA/TV OUTLETS AND SWITCH; EXACT CONNECTION REQUIREMENTS OF OWNER-FURNISHED EQUIPMENT.
- EMPTY CONDUIT EXITING FROM THE INTERIOR TO THE EXTERIOR OF THE BUILDING SHALL BE FILLED WITH AN APPROVED MATERIAL TO PREVENT THE CIRCULATION OF WARM AIR TO A COLDER SECTION OF THE RACEWAY PER NEC 300.7A

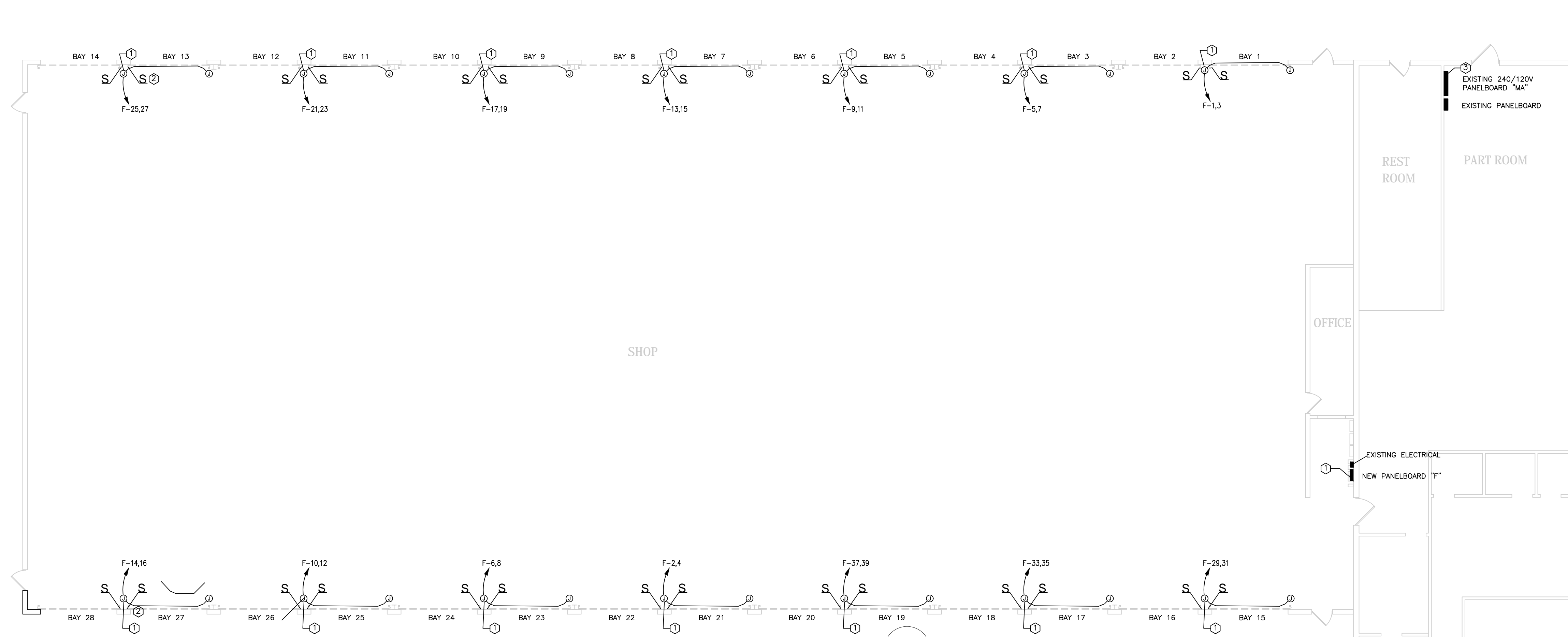
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**TRANSPORTATION SHOP ROLL UP
DOOR REPLACEMENT**
 10 INTERCHANGE COURT
 SAVANNAH, GEORGIA 31415

CONSTRUCTION DOCUMENTS



1 ELECTRICAL FLOOR PLAN
E-1 SCALE: 1/8" = 1'-0"



GENERAL NOTES:

- CONNECT MECHANICAL EQUIPMENT SHOWN PER MECHANICAL EQUIPMENT SCHEDULE.
- ROLL UP DOOR MOTORS ARE SIDE BY SIDE MOUNT. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.
- PROVIDE AND INSTALL 30A/2P HEAVY DUTY DISCONNECT FOR AUTOMATIC DOOR OPENERS WITH 3/10, 1/10G, 3/4" C. (TYPICAL FOR 28 DOORS)

KEYED NOTES:

- FIELD VERIFY EXACT LOCATION OF MOTOR INSTALLATION.
- LOCATION OF AUTOMATIC DOOR CONTROLLER'S SWITCH TO BE FIELD VERIFIED. TYPICAL FOR ALL DOOR LOCATIONS.
- CONTRACTOR SHALL USE 100 AMP SPARE INSIDE EXISTING PANELBOARD "MA". THERE ARE (2) 100 AMP SPARES. IF SPARE IS NOT AVAILABLE, CONTRACTOR SHALL PROVIDE AND INSTALL 240V, 100A/2P CIRCUIT BREAKER.

SCHEDULE OF EXISTING PANEL MA									
VOLTAGE: 240 / 120		PHASE: 3		WIRE: 4		NEHA: 1			
RIB AMPS: 800A		SERVICE AMPS: 800A		MCCB: 1000		MCCB: 1000			
ALL BAYING 22/000		MCCB: 1000		MCCB: 1000		MCCB: 1000			
LOCATION/DESCRIPTION	LOAD (KVA)	LOAD (KVA)	TRIP (KVA)	#	PH	#	TRIP (KVA)	LOAD (KVA)	LOCATION/DESCRIPTION
EXISTING PANEL C	26.0	H	1	A	2	1000	H	8.3	EXISTING E
EXISTING PANEL D	8.3	H	7	A	B	1000	H	11.2	NEW PANELBOARD F
EXISTING PANEL N	8.3	H	13	A	14	1000	H	8.3	EXISTING SPARE
EXISTING PANEL P	8.3	H	19	A	20	1000	H	8.3	EXISTING W
EXISTING PARTS ROOM HEATER	6.2	H	25	A	26	500	H	5.1	EXISTING AIR HANDLER 3
EXISTING AIR HANDLER 2	5.1	H	31	A	32	500	H	3.1	EXISTING AIR HANDLER 5
EXISTING SURGE PROTECTOR	2.0	H	39	B	40				EXISTING SPACE

SCHEDULE OF PANEL F									
VOLTAGE: 240 / 120		PHASE: 3		WIRE: 4		NEHA: 1			
RIB AMPS: 120A		SERVICE AMPS: 120A		MCCB: 1000		MCCB: 1000			
ALL BAYING 22/000		MCCB: 1000		MCCB: 1000		MCCB: 1000			
LOCATION/DESCRIPTION	LOAD (KVA)	LOAD (KVA)	TRIP (KVA)	#	PH	#	TRIP (KVA)	LOAD (KVA)	LOCATION/DESCRIPTION
DOOR 1 & 2	1.3	H	1	A	2	200	H	1.3	DOOR 21 & 22
DOOR 3 & 4	1.3	H	7	A	8	200	H	1.3	DOOR 23 & 24
DOOR 5 & 6	1.3	H	13	A	14	200	H	1.3	DOOR 25 & 26
DOOR 7 & 8	1.3	H	19	A	20	200	H	1.3	DOOR 27 & 28
DOOR 9 & 10	1.3	H	25	A	26	200	H	1.3	SPARE
DOOR 11 & 12	1.3	H	31	A	32	200	H	1.3	SPARE
DOOR 13 & 14	1.3	H	37	B	38	200	H	1.3	SPARE
DOOR 15 & 16	1.3	H	43	C	44	200	H	1.3	SPARE
DOOR 17 & 18	1.3	H	49	A	50	200	H	1.3	SPARE
DOOR 19 & 20	1.3	H	55	B	56	200	H	1.3	SPARE
SPARE									SPARE

PANEL LOAD ANALYSIS					
Load Type	DESCRIPTION	Conn. KVA	Demand KVA	2017 NEC Reference	2017 NEC Reference
A	Lighting	0.0	0.0	NEC Article 210.43	E
B	Receptacles	0.0	0.0	NEC Table 210.44	F
C	Kitchen Equipment	0.0	0.0	NEC Table 210.55	G
D	Air-Conditioning	0.0	0.0	NEC Article 440.32	H
Phase A Connected Load		100.7	100.7		
Phase B Connected Load		100.7	100.7		
Phase C Connected Load		100.7	100.7		
TOTAL DEMAND LOAD		300.0	300.0		

PANEL LOAD ANALYSIS					
Load Type	DESCRIPTION	Conn. KVA	Demand KVA	2017 NEC Reference	2017 NEC Reference
A	Lighting	0.0	0.0	NEC Article 210.43	E
B	Receptacles	0.0	0.0	NEC Table 210.44	F
C	Kitchen Equipment	0.0	0.0	NEC Table 210.55	G
D	Air-Conditioning	0.0	0.0	NEC Article 440.32	H
Phase A Connected Load		121.5	121.5		
Phase B Connected Load		121.5	121.5		
Phase C Connected Load		121.5	121.5		
TOTAL DEMAND LOAD		364.5	364.5		

KEY PLAN

PRINTING AND REVISIONS

MARK	DATE	DESCRIPTION

ROSSER PROJECT NUMBER 17022.23
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CHECKED BY CTB
DATE RELEASED FOR CONSTRUCTION 06/15/18
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CADD SHEET FILE NAME

SHEET TITLE
FLOOR PLAN - ELECTRICAL

SHEET NUMBER
E-1