ABBREVIATION LIST

ABOVE FINISHED FLOOR	AFF	LAMINATED PLASTIC	LAM
ADJUSTABLE	ADJ	LANDLORD	LL
ALUMINUM	ALUM	LEFT-HAND	LH
ANCHOR BOLT	AB	LONG LEG HORIZONTAL	LLH
APPROXIMATELY	APPROX	LONG LEG VERTICAL	LLV
ARCHITECTURAL	ARCH	LONG	LG
AT	@	MANHOLE	MH
BEAM	BM	MANUFACTURER	MFR
BEARING	BRG	MASONRY OPENING	MO
BLOCKING	BLKG	MATERIAL	MATL
BOARD	BD	MAXIMUM	MAX
BOTTOM	BTM or B/	MECHANICAL	MECH
BUILDING	BLDG	METAL	MTL
CATCH BASIN	CB	MINIMUM	MIN
CEILING	CLNG	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	OPNG
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	DIM	PLATE	PL
DOWN	DN	PLUS OR MINUS	+/-
DOWNSPOUT	DS	PLYWOOD	PLWD
DRAWING	DWG	POINT OF SALE	POS
EACH FACE	EF	PRESERVATIVE TREATED	PPT
EACH WAY	EW	PROPERTY LINE	P/L
EACH	EA	QUARRY TILE	QT
ELECTRIC	ELEC	RADIUS	RAD or R
ELECTRIC WATER COOLER	EWC	RAIN WATER CONDUCTOR	RWC
ELEVATION	ELEV	REINFORCED	REINF
EQUAL	EQ	REQUIRED	REQ'D
EXISTING	EXIST	REVISION	REV
EXPANSION JOINT	EJ	RIGHT HAND	RH
EXTERIOR	EXT	RIGHT OF WAY	ROW
EXTERIOR INSULATION & FINISH SYSTEM	EIFS	ROOF DRAIN	RD
FIBER REINFORCED PLASTIC	FRP	SECTION	SECT
FINISH	FIN	SHEET	SHT
FINISHED FLOOR	FF	SIMILAR	SIM
FIRE EXTINGUISHER CABINET	FEC	SPECIFICATION	SPEC
FIRE RETARDANT TREATED	FRT	SQUARE FEET	SF
FIXTURE	FIXT	STAINLESS STEEL	SS
FLOOR	FLR	STANDARD	STD
FLOOR DRAIN	FD	STEEL	STL
GALVANIZED	GALV	STRUCTURAL	STRUCT
GAUGE	GA	SUSPENDED	SUSP
GENERAL CONTRACTOR	GC	TELEPHONE	TEL
GLASS	GL	TONGUE AND GROOVE	T&G
GLASS FIBER REINFORCED CONCRETE	GFRC	TOP OF	T/
GLASS FIBER REINFORCED GYPSUM	GFRG	TOP OF JOIST	TOJ
GYPSUM BOARD	GYP BD	TOP OF MASONRY	TOM
HANDICAPPED	HCPD	TOP OF STEEL	TOS
HARDWOOD	HDWD	TYPICAL	TYP
HEATING/VENTILATING/AIR CONDITIONING	HVAC	UNLESS NOTED OTHERWISE	UNO
HEAVY DUTY	HD	VERTICAL	VERT
HOLLOW CORE	HC	VINYL COMPOSITION TILE	VCT
HOLLOW METAL	HM	VINYL TILE	VT
HORIZONTAL	HORIZ	VINYL WALL COVERING	VWC
HOSE BIBB	HB	WALL COVERING	WC
HOT WATER HEATER	WH	WELDED WIRE FABRIC	WWF
HOUR	HR	WITH	W/
INSIDE DIAMETER	ID	WITHOUT	W/O
INSULATION	INSUL	WOOD	WD
INTERIOR	INT	WORK POINT	WP
JOIST BEARING	JB		

GENERAL NOTES

1. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE SITE SUPERVISION FOR THE ENTIRELY OF EACH SHIFT FOR THE DURATION OF THE REMODEL CONSTRUCTION PROCESS. WHEN TWO SHIFTS ARE REQUIRED, A SITE SUPERINTENDENT IS REQUIRED FOR EACH SHIFT.
2. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, AIA A-201, 2007 IS APPLICABLE TO THE PROJECT AND INCLUDED HERE-IN BY REFERENCE.
3. DO NOT SCALE DRAWINGS. REQUEST CLARIFICATION FROM THE ARCHITECT TO RESOLVE DISCREPANCIES OR TO SUPPLY ADDITIONAL INFORMATION.
4. 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 (AHJ).
5. 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.
6. WHERE EXISTING STRUCTURAL STEEL IS PROTECTED WITH A FIREPROOFING MATERIAL, PROTECT DURING DEMOLITION, ALTERATION AND CONSTRUCTION. PATCH AND REPAIR ANY MISSING OR DAMAGED FIREPROOFING TO MAINTAIN PROTECTION OF THE STRUCTURE.
7. AT PENETRATIONS THROUGH FIRE RATED ASSEMBLIES, PROVIDE PROTECTION MEETING THE REQUIREMENTS OF ASTM E-814 AND BEARING THE APPROPRIATE U.L. LABEL FOR THE CONDITION.
8. DESIGN & SELECTION OF SUPPORTS, BRACES, ANCHORS, ATTACHMENTS AND RELATED FASTENERS, UNLESS SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS, IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR, UTILIZING INDUSTRY STANDARD MATERIALS AND METHODS SUITABLE TO THE CONDITION.
9. WALL AND CEILING MOUNTED ITEMS, INCLUDING BUT NOT LIMITED TO REGISTERS, DIFFUSERS, GRILLES, 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.
10. 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.

ONETRACTOR
ANYTIME • ANYWHERE • ANYWAY

REMODELING SOON

TSC TRACTOR SUPPLY Co.

----THE STUFF YOU NEED OUT HERE----

www.tractorsupply.com

CONTACTS

OWNER
TRACTOR SUPPLY CO.
5401 VIRGINIA WAY
BRENTWOOD, TN 37027
CONTACT: RON STEWART
PH: 615-440-4859
E: rostewart@tractorsupply.com

ARCHITECT
ONYX CREATIVE, INC.
25001 EMERY ROAD SUITE 400
CLEVELAND, OH 44128
CONTACT: AARON BLUE
PH: 216-223-3243
E: ablue@onyxcreative.com

MEP ENGINEERS
BLUESTREAK CONSULTING
25001 EMERY ROAD SUITE 400
CLEVELAND, OH 44128
CONTACT: RICHARD KNAPP
PH: 216-223-3244
E: rknapp@bluestreak-consulting.com

OWNER PROJECT MANAGER
TRACTOR SUPPLY CO.
5401 VIRGINIA WAY
BRENTWOOD, TN 37027
CONTACT: KEITH WENGER
PH: 734-756-5645
E: kwegner@tractorsupply.com

STRUCTURAL ENGINEERS
BLUESTREAK CONSULTING
25001 EMERY ROAD SUITE 400
CLEVELAND, OH 44128
CONTACT: TERRY FRANCIS
PH: 216-223-3246
E: tfrancis@bluestreak-consulting.com

GREENHOUSE ENGINEERS
ZUENDT ENGINEERING
P.O. BOX 26177
GREENVILLE, SC 29616
CONTACT: CAL LOONEY
PH: 864-440-6666
E: cal@merchneygreenhouses.com

PROJECT SUMMARY

THE PROPOSED PROJECT CONSISTS OF A FULL SCALE REMODEL TO EXISTING TRACTOR SUPPLY CO. STORES. THE STORE WILL HAVE A GRAND REOPENING ONCE CONSTRUCTION IS COMPLETE. THE INTERIOR WORK IS CALLED "THE FUSION PROJECT" WHICH CONSISTS OF A NEW FIXTURE LAYOUT AND ADDITIONAL OUTLETS TO THE REMODELED SALES FLOOR.

CONTRACTOR RESPONSIBILITIES

CONTRACTOR SHALL VERIFY EXISTING CONDITIONS ON SITE. DISCREPANCIES BETWEEN DRAWINGS AND EXISTING CONDITIONS AS WELL AS DISCREPANCIES BETWEEN LANDLORD WORK AND TSC WORK SHALL BE BROUGHT TO THE ATTENTION OF TSC AND ARCHITECT IN WRITING PRIOR TO BID SUBMISSION

CONTRACTOR SHALL FILL OUT THEIR OWN PUNCH LIST PRIOR TO T.S.C. P.M. ARRIVING TO COMPLETE THE PROJECT PUNCH FOR T.S.C. CONTRACTOR SHALL COMPLETE THE SELF-PUNCH AND SUBMIT WITHIN FIVE DAYS. T.S.C. P.M. WILL REVIEW AND COMPLETE THEIR OWN PUNCH AT WHICH TIME CONTRACTOR WILL HAVE SEVEN DAYS TO CORRECT ALL ITEMS.

ALL ROOF VENTS / PENETRATIONS ARE TO BE FLASHED AS RECOMMENDED BY ROOFING SYSTEM MANUFACTURER AND PREFORMED BY LANDLORD'S ROOFING CONTRACTOR.

ACCESSIBILITY

ALL NEW WORK IS APPLICABLE TO ALL CURRENT LOCAL, STATE AND FEDERAL CODES AND LAWS. WHEN DIFFERING CODES/LAWS ARE APPLICABLE, THE MOST STRINGENT REQUIREMENT SHALL APPLY.

CHANGE ORDER POLICY

TRACTOR SUPPLY COMPANY SHALL NOT BE RESPONSIBLE FOR THE PAYMENT OF ANY WORK PERFORMED OR MATERIAL SUPPLIED BY THE CONTRACTOR OR ANY OF ITS SUB-CONTRACTORS, SUB-SUBCONTRACTORS AND ANYONE CLAIMING BY THROUGH OR UNDER ANY OF THEM WHICH IS NOT IDENTIFIED IN WRITING AND SIGNED BY ONE OF THE FOLLOWING TRACTOR SUPPLY COMPANY PERSONNEL: VICE PRESIDENT OF REAL ESTATE, VICE PRESIDENT OF CONSTRUCTION, OR A CONSTRUCTION PROJECT MANAGER. NO ACTION, CONDUCT, OMISSION, PRIOR FAILURE, OR COURSE OF DEALING BY TRACTOR SUPPLY COMPANY SHALL ACT TO WAIVE, MODIFY, CHANGE OR ALTER THE REQUIREMENT THAT ALL WORK, WHETHER BY CONTRACT, CHANGE ORDER OR CHANGE DIRECTIVE, MUST BE IN WRITING AND SIGNED BY THE PERSONNEL IDENTIFIED IN THIS PROVISION. ANY WORK PERFORMED OR MATERIAL PROVIDED BY THE CONTRACTOR, ANY OF ITS SUB-CONTRACTORS, SUB- SUBCONTRACTORS CONTRARY TO THIS PROVISION SHALL BE AT ITS OWN RISK AND OWN EXPENSE AND TRACTOR SUPPLY COMPANY SHALL NOT BE OBLIGATED TO REIMBURSE OR PAY THE CONTRACTOR OR ANY OF ITS SUB-CONTRACTORS, SUB- SUBCONTRACTORS FOR SAME.

VICINITY MAP

PROJECT LOCATION

TRACTOR SUPPLY FUSION PROJECT

825 US 31 SOUTH
TRAVERSE CITY, MI 49685

DRAWING INDEX

		REVISIONS			
ARCHITECTURAL		1-21-22	DATE	-	-
T1.0	COVER SHEET	1			
T1.1	SUPPLEMENTAL INFORMATION & REQUIREMENTS				
D1.0	DEMOLITION PLAN	1			
A0.0	NOTES & DOOR / HARDWARE SCHEDULES	1			
A0.1	FINISH SCHEDULES & VENDOR INFORMATION				
A1.0	ARCHITECTURAL FLOOR PLAN	1			
A1.1	ENLARGED PLAN ELEVATIONS & DETAILS				
1 A1.2	~~PET WELLNESS PLAN & ELEVATIONS~~				
1 A1.2a	~~PET WELLNESS DETAILS~~				
A2.0	FIXTURE PLAN	1			
A3.0	CEILING PLAN	1			
A7.0	POS DETAILS				
PLUMBING					
P1.0	PLUMBING PLAN	1			
1 P2.0	~~PLUMBING SPECIFICATIONS~~				
ELECTRICAL					
E1.0	POWER PLAN	1			
E2.0	ELECTRICAL DETAILS & SPECIFICATIONS	1			
1 E3.1	~~ELECTRICAL DETAILS & SPECIFICATIONS~~				

CODE SUMMARY

- 2015 MICHIGAN BUILDING CODE
- 2018 MICHIGAN PLUMBING CODE
- 2015 MICHIGAN MECHANICAL CODE
- 2015 INTERNATIONAL FUEL GAS CODE
- 2017 NATIONAL ELECTRIC CODE
- 2015 MICHIGAN ENERGY CONSERVATION CODE
- 2012 INTERNATIONAL FIRE CODE

NUMBER OF STORIES:
1 - EXISTING
OCCUPANCY CLASSIFICATION:
MERCANTILE
CONSTRUCTION TYPE:
II-B
FIRE PROTECTION:
SPRINKLED:
EXISTING MAIN BUILDING: EXISTING TO REMAIN
ALARM SYSTEM:
ALARMED:
EXISTING MAIN BUILDING: EXISTING TO REMAIN

AREA AND OCCUPANT LOAD CALCULATIONS:
REMODEL BUILDING (EXISTING TO REMAIN):
MERCANTILE: 20,704 SF / 60 = 345 OCCUPANTS
BUSINESS: 857 SF / 100 = 9 OCCUPANTS
STORAGE: 6,675 SF / 300 = 22 OCCUPANTS
REMODEL BUILDING TOTAL: 28,236 SF AND 376 OCCUPANTS (EXISTING TO REMAIN)

DUSHAN BOUCHEK | ARCHITECT
25001 Emery Road, Suite 400
Cleveland, Ohio 44128
216.223.3200 onyxcreative.com

Design and construction documents as instruments of service are given in confidence and remain the property of Dushan Bouchek, Architect. The use of this design and these construction documents for purposes other than the specific project named herein is strictly prohibited without expressed written consent of Dushan Bouchek, Architect.

TSC TRACTOR SUPPLY Co.

FUSION PROJECT
STORE #645
825 US 31 SOUTH
TRAVERSE CITY, MI 49685

Project No.: 19720
Drawn By:

Date	Issue
1-7-22	PERMIT
1-21-22	1 REVISION 1

T1.0

COVER SHEET

TRACTOR SUPPLY AND VENDOR CONTACT INFORMATION

(CLOSED SPECS.)

TRACTOR SUPPLY:

TRACTOR SUPPLY FIXTURE PLANS

KEN MARSH
#615.440.4186
kmarsh@tractorsupply.com

VICKY DERON
#615.440.4085
vderon@tractorsupply.com

PROPANE COORDINATION

JEREMY BLACK, STORE PROJECT SPECIALIST / STORE OPERATIONS
TSC CONTACT FOR PROPANE DISTRIBUTION TANK
#615.440.4533
#615.484.4486 (FAX)
jblack@tractorsupply.com

FELICIA MINGS
TSC CONTACT FOR PROPANE DISTRIBUTION TANK
#615.440.4217
#615.484.4486 (FAX)
fmings@tractorsupply.com

UTILITY TRANSFER INFORMATION

JAMES MASTERS, TSC ENERGY MANAGER
ENGIE
#615.440.4396
jmasters@tractorsupply.com
tractorsupplyOPCL.Insight@engie.com
(FOR LP ACCOUNTS FOR BUILDING HEAT CALL AMERIGAS)

RECOMMENDED ONLY:

WASTE AND RECYCLING VENDOR

DIANE HUEFFMEIER, PROGRAM MANAGER
ROCKTENN COMPANY
#314.292.3313
dhueffme@rocktenn.com

RED STRIPING

RICK TOWNE
POP SOLUTIONS GROUP
#901.483.5929 (CELL)
#901.795.5936 x 19 (OFFICE)
rtowne@popsolutionsgroup.com

PRINTING

CINDY PIND
PLAN EXPRESS
866.404.2614 x 4505
cindy.pind@planexpress.net

VENDOR #1: DOORS, FRAMES, & HARDWARE

CHARLES GIRTMAN
NATIONAL ACCOUNT SALES EXECUTIVE
DH PACE
#816.221.0543
charles.girtman@dhpace.com

SAMI TOTTEN
DH PACE
#913.738.8554
tscdoors@dhpace.com
sami.totten@dhpace.com
LEAD TIME:
2 WEEKS - HOLLOW METAL FRAMES
3 WEEKS - PRE-PAINTED & HPI DOORS
3-4 WEEKS - WIND RATED ASSEMBLIES & COASTAL / CA PROJECTS

VENDOR #2: SECTIONAL DOORS

ADAM POSLOSKY
DH PACE
#816.480.2361
tscdoors@dhpace.com
adam.posloksky@dhpace.com
LEAD TIME:
2-3 WEEKS - SECTIONAL & COILING DOORS
*USE COILING DOORS IN HIGH IMPACT REGIONS

TRAVIS SMITH
DH PACE
#816.480.2600
tscdoors@dhpace.com
travis.smith@dhpace.com
LEAD TIME:
2-3 WEEKS - SECTIONAL & COILING DOORS
*USE COILING DOORS IN HIGH IMPACT REGIONS

VENDOR #3: STOREFRONT DOORS

CARLA MESSINA, NATIONAL ACCOUNT PM
STANLEY
#860.409.6578
carla.messina@sbdinc.com
LEAD TIME: 6 WEEKS

MATT MATTHEWS, NATIONAL ACCOUNT MANAGER
STANLEY
#919.208.4238
matt.matthews@sbdinc.com
LEAD TIME: 6 WEEKS

VENDOR #4: LIGHTING PROVIDER

BRYAN BIRDWELL
VILLA LIGHTING SUPPLY, INC.
#314.633.0546
bryan.birdwell@villalighting.com
LEAD TIME:
3-5 DAYS - INT/EXT LIGHTING
3-4 WEEKS - SITE POLE LIGHTING

ADAM CARRIER, NATIONAL ACCOUNTS MANAGER
VILLA LIGHTING SUPPLY, INC.
#314.633.0532
adam.carrier@villalighting.com
LEAD TIME:
3-5 DAYS - INT/EXT LIGHTING
3-4 WEEKS - SITE POLE LIGHTING

ANNE VOELKER, PRICING CONTACT
VILLA LIGHTING SUPPLY, INC.
#314.633.0554
tractorsupply@villalighting.com
LEAD TIME:
3-5 DAYS - INT/EXT LIGHTING
3-4 WEEKS - SITE POLE LIGHTING

VENDOR #5: HVAC PROVIDER

LISA JUMP, NATIONAL ACCOUNT SALES MANAGER
YORK / JOHNSON CONTROLS
#800.481.9738 x 6531 TOLL FREE
#405.419.6527 DIRECT
lisa.e.kuhns@jci.com
be-na-tractorsupply@jci.com
LEAD TIME: 3-4 WEEKS

JOE RAY, SALES APPLICATION ENGINEER
YORK / JOHNSON CONTROLS
#405.419.6631 DIRECT
#1.800.481.9738 QUOTE REQUEST
joe.ray@jci.com
be-na-tractorsupply@jci.com
LEAD TIME: 3-4 WEEKS

VENDOR #6: SECURITY SYSTEMS

GAVIN ELLIS, SYSTEMS APPLICATIONS ENGINEER
JCI
120 N. PARK DRIVE, BIRMINGHAM, AL 35211
#205.940.6523
gavin.l.ellis@jci.com

DAMIEN HALLOWELL, TEAM MANAGER
INSTALLATION COORDINATOR / JCI
10405 CROSSPOINT BLVD., INDIANAPOLIS, IN 46256
800.453.2247 x1052054
bts-tsc@jci.com

DUKE DAUGHTREY, PROJECT MANAGER
ADT
#229.896.5041
ddaughtrey@adt.com

VENDOR #7: ELECTRIC PANEL

ERIC LINE, NATIONAL ACCOUNTS MANAGER
CAROLINA PRODUCTS, INC. (CPI)
#800.736.4455 OFFICE
#704.778.2327 CELL
eric@cpipanels.com
LEAD TIME: 6 WEEKS

VENDOR #8: EMS

GAGE PERRY
ABB - COMMERCIAL ENERGY SOLUTIONS
#603.716.0636
gage.perry@us.abb.com

VENDOR #9: LOW VOLTAGE PROVIDER

TERRY L. CORPENING
MERCURY TECH PARTNERS, INC.
#828.465.7348 x 221
terry@gomtp.com

DUANE MULLINS
MERCURY TECH PARTNERS, INC.
#828.465.7348 x 344
duane@gomtp.com

KEITH GREEN
TELAID
#770.866.2993
kgreen@telaid.com

RONALD BRUSS
POMEROY
#210.284.9451
ronald.bruss@pomeroy.com

VENDOR #10: BOPIS SHED PROVIDER

RICK WELLER
L.J.S. SOLUTIONS
#803.773.9625
rickweller@ljs-solutions.com

VENDOR #11: VINYL PLANK FLOORING

SHANE CALLOWAY
EARTHWERKS/ SWIFF-TRAIN
shanec@swift-train.com

VENDOR #12: HAND DRYERS

ASHLEY MAY
WORLD DRYERS DISTRIBUTOR
#800.458.7099
ashley.may@hjcinc.com

VENDOR #13: BUMPER SIGNS/BOLLARD COVERS

KEVIN O'NEILL
MCGUE
#770-500-2849
koneill@mcgue.com

VENDOR #14: METAL RAMP DISTRIBUTOR

TONY HAMILTON
G.S.I. ENVIRONMENTAL & INDUSTRIAL STEEL FABRICATORS
#334.793.6878
thamilton@gsisteel.com
LEAD TIME: 3 WEEKS

ANDREW STREUTKER
DURA-RAMP, INC.
#604.795.9799
andrew@duraramp.com
LEAD TIME: 3-5 WEEKS

VENDOR #15: PET WELLNESS FLOORING

JENNY HAYES - ACCOUNT MANAGER
SHAW INC.
#706.532.7458
jenny.hayes@shawinc.com

NOTE: GENERAL CONTRACTOR TO ORDER, "CONTACT POSTER", "CONCRETE CHECKLIST", AND "PHONE BOARD POSTER" FROM PLAN EXPRESS AND POST ON STOREFRONT AT CONSTRUCTION START.

REMODEL - TIME AND ACTION CALENDAR

LATEST - Q2 2021
STORE SERVICES (REMODELS)

TASK	COMPLETION DATE (WEEKS TO CONSTRUCTION TURNOVER DATE)	CONTACT	RESPONSIBILITY
FIXTURE PLAN FROM TSC	6 WEEKS	CARL ADLER caadler@tractorsupply.com	TSC FIXTURE PLANNING
ARCHITECT TO EMAIL FLOOR PLAN BASE SHEET TO SECURITY SYSTEMS CONTRACTOR	AT PLAN APPROVAL	VENDOR #6	ARCHITECT - ONCE REQUESTED.
CONTRACTOR - CONTACT SECURITY SYSTEMS CONTRACTOR AND SCHEDULE ALARM INSTALLATION	7 WEEKS	VENDOR #6	CONTRACTOR
SECURITY SYSTEMS CONTRACTOR - HAS TO BEGIN INSTALLATION	3 WEEKS	VENDOR #6	TSC LOSS PREVENTION
CONTRACTOR - CONDUITS FOR IT AND PHONE WITH PULL STRINGS	4 WEEKS	CHRISTIE DURAND (615.275.6271)	CONTRACTOR
QSI / DURA-RAMP OR LOADING DOCK ACCESS, FORKLIFT, PROPANE GAS AND PROPANE DIS. TANK (PROPANE FOR FORKLIFT AND HEAT IF NECESSARY)	4 WEEKS	AMERIGAS- DEREK STYPOLKOWSKI (610.337.7000 x1123) Derek.Stypolkowski@amerigas.com SUBURBAN- SCOTT MCLEAN (843.261.4400) smclean@suburbanpropane.com JEREMY BLACK (615.440.4533) jblack@tractorsupply.com FELICIA MINGS (615.440.4217) fmings@tractorsupply.com	TSC STORE ADMINISTRATION & CONTRACTOR
CONTRACTOR - ALL DOORS TO BE INSTALLED WITH LOCKS	3 WEEKS	VENDOR #1 VENDOR #2 VENDOR #3	CONTRACTOR
UNIFIRST - MOPS AND MATS	1 WEEK	UNIFIRST (888.851.2474 EX 5) BRAD COOPER (615.440.4465) bcooper@tractorsupply.com	TSC STORE ADMINISTRATION
TERMINIX - (PEST CONTROL)	1 WEEK	TERMINIX (866.818.4513) BRAD COOPER (615.440.4465) bcooper@tractorsupply.com	TSC STORE ADMINISTRATION
SERVICE DESK, RECEIVING DESK, REGISTER COUNTERS WITH POWER POLES SET IN PLACE	1 WEEK	CHRISTIE DURAND (615.275.6271)	CONTRACTOR
CABELING INSTALLED TO REGISTER COUNTERS, SERVICE DESK AND RECEIVING DESK CONNECT TO PERMANENT POWER	1 WEEK	CHRISTIE DURAND (615.275.6271)	IT
PROPANE PROVIDER TO FILL PROPANE DISTRIBUTION TANK	1 WEEK	AMERIGAS- DEREK STYPOLKOWSKI (610.337.7000 x1123) Derek.Stypolkowski@amerigas.com SUBURBAN- SCOTT MCLEAN (843.261.4400) smclean@suburbanpropane.com JEREMY BLACK (615.440.4533) jblack@tractorsupply.com FELICIA MINGS (615.440.4217) fmings@tractorsupply.com	TSC STORE ADMINISTRATION
EXTERIOR & INTERIOR DRESSING ROOM WALLS PAINTED & DRIED	2 WEEKS BEFORE COMPLETION	SITE SUPERVISOR	CONTRACTOR
LOZIER - FIXTURES - FULL TRUCK	THURSDAY BEFORE MERCH START	CHRISTIE DURAND (615.275.6271)	TSC STORE ADMINISTRATION
SOS (FULL TRUCK)	FRIDAY BEFORE MERCH START	CHRISTIE DURAND (615.275.6271)	TSC STORE ADMINISTRATION
LIS - BACKROOM AND SIDELOT FIXTURES (1/2 TRUCK)	DAY 1 OF MERCH EXECUTION	CHRISTIE DURAND (615.275.6271)	TSC STORE ADMINISTRATION
DELIVERY OF GARDEN CENTER /FEED CENTER MATERIALS	T.B.D. - COORD. W/ T.S.C. PM.	**COORDINATE WITH T.S.C. PM	CONTRACTOR
DRESSING ROOM DOOR	T.B.D. - COORD. W/ T.S.C. PM.	VENDOR #2	CONTRACTOR
SIGNAGE	T.B.D. - COORD. W/ T.S.C. PM.	MARI MEYER mmeyer@yunker.com	CONTRACTOR
HVAC FOR FEED CENTER	T.B.D. - COORD. W/ T.S.C. PM.	VENDOR #5	CONTRACTOR
BOPIS SHED	T.B.D. - COORD. W/ T.S.C. PM.	VENDOR #10	CONTRACTOR
VINYL PLANK FLOORING	T.B.D. - COORD. W/ T.S.C. PM.	VENDOR #11	CONTRACTOR
PET WELLNESS CENTER L.V.T. FLOORING	T.B.D. - COORD. W/ T.S.C. PM.	VENDOR #15	CONTRACTOR TO ORDER & RECEIVE; T.S.C. TO PURCHASE

NOTE: GENERAL CONTRACTOR TO ORDER, "CONTACT POSTER" FROM PLAN EXPRESS AND POST ON STOREFRONT AT CONSTRUCTION START.

LVW RESPONSIBILITY AND TIMING PLAN

LATEST - Q2 2021

PROTOTYPES

ACTION	BY WHO	WHEN	SPECIAL NOTES
STORE ADDED TO SOS	TSC REAL ESTATE	1ST MONDAY OF EACH MONTH	
CODES AND BUILDING TYPE (CONTACT TSC PM AS NECESSARY) RESEARCHED, BA AND FA PLANS COMPLETED	JCI/ADT	WITHIN 30 DAYS AFTER ADDED TO THE SOS	PLEASE BE SURE TO VERIFY HVAC SYSTEMS (GROUND MOUNT VS. ROOF MOUNT, ETC...) SECURITY SYSTEMS CONTRACTOR TO IDENTIFY EXIST. HVAC UNITS BY LL PER THE CHECKLIST
SECURITY SYSTEMS CONTRACTOR COMPLETES PLANS SENDS TO RICH WOOD AND TSC PM	JCI/ADT	ON 30TH DAY AFTER ADDED TO SOS	
PLANS FORWARDED TO LL AND/OR HIS ARCHITECT IF KNOWN	TSC PM	31 DAYS	
TSC TO REVIEW LL PLANS FOR ACCURACY	TSC PM	WHEN SENT BY LL PRIOR TO CONSTRUCTION START	
LL TO COMPLETE ALL LVN SOW PER PLANS USING TSC VENDOR	MERCURY TECH	NO LESS THAN 2 WEEKS PRIOR TO FD FROM 2 WEEKS	
SECURITY SYSTEMS CONTRACTOR TO INSTALL THEIR EQUIPMENT AND MAKE TERMINATIONS	JCI/ADT	STARTING APPROXIMATELY 3 WEEKS FROM FD TO BE DONE LAST AS LVW VENDOR COMPLETES NO LATER THAN 2 WEEKS PRIOR TO FD.	
INSTALLATION OF FA SYSTEM, PHONE SYSTEM, SPEAKERS, OUTSIDE HORNS, PHONES, PATCH PANEL, AP'S W/ ANTENNAS	RAY CLEMENT / MERCURY TECH	MONDAY AND TUESDAY BEFORE FD	
INSTALLATION OF POS SYSTEMS AT ALL LOCATIONS AND TESTING OF AP SYSTEM	RAY CLEMENT / AGILYSIS	TUESDAY BEFORE FD	

ON DEVELOPER OWNED PROJECTS, DEVELOPER IS RESPONSIBLE FOR 100 % OF COST OF LVW VENDOR AND WIRING.

RETROFITS

ACTION	BY WHO	WHEN	SPECIAL NOTES
STORE ADDED TO SOS	TSC REAL ESTATE	1ST MONDAY OF EACH MONTH	
TSC ARCHITECT TO SEND BASE PLAN TO SECURITY SYSTEMS CONTRACTOR	TSC PM	10-20 DAYS AFTER ADDED TO SOS	
CODES RESEARCHED, BA AND FA PLANS	JCI / ADT	UPON RECEIPT OF BASE PLAN	
TSC ARCHITECT TO NOTIFY SECURITY SYSTEMS CONTRACTOR VIA EMAIL THAT FULL SET OF PLANS IS AVAILABLE AT PLAN EXPRESS	TSC PM	20-30 DAYS AFTER REC APPROVAL	SECURITY SYSTEMS CONTRACTOR TO IDENTIFY EXIST. HVAC UNITS BY LL PER THE CHECKLIST
SECURITY SYSTEM COMPLETED PLANS SENT TO RICH WOOD AND TSC PM	JCI / ADT	W/IN 3 DAYS OF RECEIPT OF FULL SET OF PLANS	
TSC ARCHITECT TO INSERT SECURITY SYSTEM PLANS INTO SET FOR PERMIT	TSC PM	UPON RECEIPT OF SECURITY SYSTEMS PLAN	
GC TO CONTACT ASSIGNED LVN VENDORS FOR PRICING	TSC PM	VERIFIED AT BID EVALUATION	
GC / LVN VENDOR FINISHED ALL LVN SOW PER PLANS	MERCURY TECH	NO LESS THAN 2 WEEKS PRIOR TO FD	PLEASE BE SURE TO VERIFY HVAC SYSTEMS (GROUND MOUNT VS. ROOF MOUNT, ETC...)
SECURITY SYSTEMS CONTRACTOR TO INSTALL THEIR EQUIPMENT AND MAKE TERMINATIONS	JCI / ADT	STARTING APPROXIMATELY 3 WEEKS FROM FD TO WEDNESDAY PRIOR TO FD. TERMINATION TO BE DONE LAST AS LVN VENDOR COMPLETES NO LATER THAN 2 WEEKS PRIOR TO FD.	
INSTALLATION OF FA SYSTEM, PHONE SYSTEM, SPEAKERS, OUTSIDE HORNS, PHONES, PATCH PANEL, AP'S W/ ANTENNAS INSTALLATION OF POS SYSTEMS AT ALL LOCATIONS AND TESTING OF AP SYSTEM	RAY CLEMENT / MERCURY TECH	MONDAY AND TUESDAY BEFORE FD	
	RAY CLEMENT / AGYLISIS	THURSDAY BEFORE FD	

NOTE: ALL OTHER ACTIONS AND TIME FRAMES TO BE PER THE EXISTING TIMING AND ACTION CALENDAR.

NOTE: COORDINATE THE ABOVE RESPONSIBILITY AND TIMING WITH T.S.C. PM & CONSTRUCTION MANAGER.

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TSC TRACTOR SUPPLY CO.

FUSION PROJECT

STORE #645
825 US 31 SOUTH
TRAVERSE CITY, MI 49685

Project No.: 19720
Drawn By:

Date	Issue
1-7-22	PERMIT

T1.1

SUPPLEMENTAL INFORMATION

GENERAL DEMOLITION NOTES

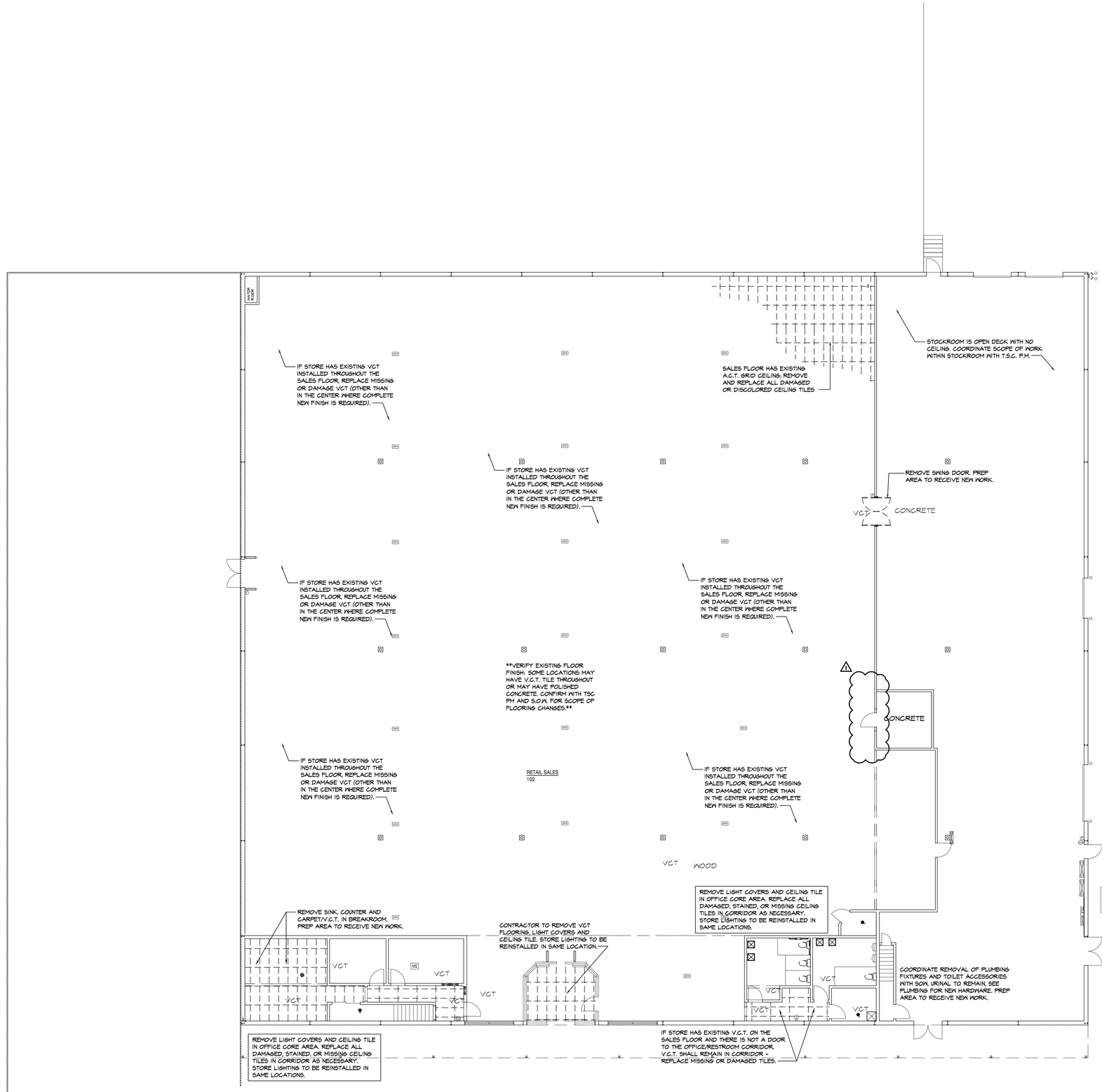
1. DEMOLITION PLAN SHOWS THE APPROXIMATE LAYOUT OF EXISTING BUILDING SPACE AND IS NOT INTENDED TO REPRESENT "AS-BUILT" CONDITIONS. PRIOR TO ANY DEMOLITION WORK, THE CONTRACTOR MUST FIELD VERIFY EXISTING BUILDING CONDITIONS AS WELL AS VERIFY EXISTING MECHANICAL, PLUMBING, AND ELECTRICAL WORK LOCATED IN THE DEMOLITION SPACE. NOTIFY ARCHITECT, T.S.C. PM AND CONSTRUCTION MANAGER IF THERE ANY DISCREPANCIES.

2. PROTECT EXISTING CONSTRUCTION SHOWN TO REMAIN DURING DEMOLITION. DAMAGE TO EXISTING CONSTRUCTION SHOWN TO REMAIN SHALL BE RESTORED TO MATCH PRE-DAMAGED CONDITION.

3. PROTECT FROM DAMAGE ALL EXISTING FINISH WORK TO REMAIN IN PLACE AND WHICH BECOMES EXPOSED DURING DEMOLITION OPERATIONS.

4. PROVIDE ALL NECESSARY SHORING, BRACING, AND SUPPORT TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF STRUCTURE OR ELEMENT TO BE DEMOLISHED, AND ADJACENT STRUCTURE OR ELEMENT SHOWN TO REMAIN. SHORING AND BRACING SHALL BE DESIGNED BY CONTRACTOR'S PROFESSIONAL ENGINEER LICENSED IN THE APPLICABLE JURISDICTION.

5. REFER TO MECHANICAL, PLUMBING & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION.



DEMOLITION PLAN

3/32" = 1'-0"

N

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TSC TRACTOR SUPPLY CO.

FUSION PROJECT

STORE #645
825 US 31 SOUTH
TRAVERSE CITY, MI 49685

Project No.:	19720
Drawn By:	

Date	Issue
1-7-22	PERMIT
1-21-22	⚠1 REVISION 1

D1.0

DEMOLITION PLAN

GENERAL NOTES:

1. ALL CONSTRUCTION AND DETAILS SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL BUILDING CODES AND ORDINANCES AS OF THE DATE OF THE DRAWINGS. ANY DEVIATIONS FROM BUILDING CODES REQUIRES NOTIFICATION AND APPROVAL FROM TSC PROJECT MANAGER.
2. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS OF THE SITE. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT & OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. REMOVE ALL CONSTRUCTION AND DEMOLITION DEBRIS FROM JOB SITE DAILY. MAKE JOB PREMISES CLEAN AT COMPLETION OF PROJECT.
4. FIRE EXTINGUISHERS SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL FIRE DEPARTMENT PRIOR TO COMPLETION OF CONSTRUCTION.
5. ALL DIMENSIONS ARE FACE OF DRYWALL AT NEW WALLS AND TO FINISHED FACE AT MASONRY WALLS UNLESS NOTED OTHERWISE.
6. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS.
7. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. IF DISCREPANCIES ARE FOUND, THE ARCHITECT AND OWNER SHALL BE NOTIFIED IMMEDIATELY.
8. THRESHOLDS SHALL NOT EXCEED 1/2 INCH IN HEIGHT.
9. DRYWALL TO BE HELD UP 1/2" ABOVE CONCRETE FLOOR.
10. THE FOLLOWING ITEMS ARE FURNISHED BY T.S.C. AND INSTALLED BY THE CONTRACTOR.

QUANTITY	ITEM
1 SET	RESTROOM ACCESSORIES (NOT INCLUDING MIRRORS)
	FIRE EXTINGUISHERS
	BRAILLE SIGNAGE

11. THE FOLLOWING ITEMS ARE FURNISHED AND INSTALLED BY T.S.C.

QUANTITY	ITEM
1	"OPEN" SIGN
1	"CUB CADET" SIGN
1	T.S.C. ROAD SIGN, GENERAL CONTRACTOR TO PROVIDE POWER TO SIGN BASE. COORDINATE WITH SIGN COMPANY ASSIGNED TO THIS LOCATION
1	SECURITY VENDOR WORK (NOT INCLUDING LVN) PAID BY TSC

12. SPECIFIC MANUFACTURERS AND PRODUCTS ARE NAMED ON THE DRAWINGS TO INDICATE THE MINIMUM ACCEPTABLE LEVEL OF QUALITY. EQUAL OR BETTER PRODUCTS WILL BE CONSIDERED. SUBSTITUTES MUST BE APPROVED BY TSC PM.
13. ALL OFFICE WALLS TO BE INSULATED.
14. CONCEAL ALL PIPING IN WALLS. WHERE PIPING IS TOO LARGE WALLS ARE TO BE FURRED OUT A MINIMUM TO CONCEAL PIPING.
15. PROVIDE WATER RESISTANT GYPSUM BOARD BEHIND ALL PLUMBING FIXTURES.
16. ALL COUNTERTOPS TO BE 2'-0" IN DEPTH UNLESS OTHERWISE NOTED.
17. PROVIDE SOLID BLOCKING FOR WALL HUNG CABINETS, PLUMBING FIXTURES, ACCESSORIES AND MILLWORK.
18. ALL MATERIALS USED BY ALL TRADES SHALL BE LISTED AND LABELED BY AN APPROVED AGENCY AND INSTALLED PER THE MANUFACTURES INSTRUCTIONS.
19. TSC RESERVES THE RIGHT TO REVIEW THE BUILDING ON OR BEFORE THE EXPIRATION OF THE LL'S ONE YEAR WARRANTY. IF ANY WARRANTY OR PUNCH LIST ITEMS ARE FOUND THE LL SHALL IMMEDIATELY CORRECT THE CONDITION AT ITS' EXPENSE.
20. WHEN SOS TRUCK COMES AS SCHEDULED, GENERAL CONTRACTOR TO ASSIST TSC STORE MANAGER WITH THE UNLOADING AND STORAGE OF ALL SOS TRUCK CONTENTS. IF GENERAL CONTRACTOR REQUESTS SOS TRUCK EARLY, GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL LABOR AND EQUIPMENT REQUIRED TO UNLOAD AND PROPER PLACEMENT AND STORAGE OF CONTENTS ONCE OFF SOS TRUCK.
21. GENERAL CONTRACTOR TO PROVIDE 2 COPIES OF SITE PLAN AND ELEVATIONS TO SIGN COMPANY ASSIGNED TO THIS PROJECT. VERIFY SIGN COMPANY W/ TSC. 1 COPY OF ELEVATIONS TO POP SOLUTIONS, RICK TOWNE (901.795.5936) -- ARCHITECT TO E-MAIL CAD BASE OF FLOOR PLAN TO KEN MARSH, KMARSH@TRACTOR SUPPLY.COM), NO LATER THAN TWO WEEKS OF STARTING CONSTRUCTION.
22. GENERAL CONTRACTOR SHALL COORDINATE ENTIRE PROJECT AND SCHEDULE THE ALARM COMPANY FOR ALL ROUGH-IN AND FINAL CONNECTIONS AND INSPECTIONS. CONTACT TSC, RICH WOOD 615.440.4721 FOR THE ALARM COMPANY ASSIGNED TO THIS LOCATION NO LATER THAN TWO WEEKS AFTER CONSTRUCTION START. REFER TO THE SECURITY VENDOR PRE-CONSTRUCTION AND PRE-INSTALLATION CHECKLIST.
23. CLOSE-OUT REQUIREMENTS, REFER TO LEASE / CONTRACT. FOR QUESTIONS, CONTACT GAYLE BASS @ 615.440.4795.
24. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ANY DUCT SMOKE DETECTOR FOR NEW WORK ONLY. COORDINATE WITH THE ASSIGNED ALARM COMPANY.
25. THE GENERAL CONTRACTOR SHALL PAY FOR ALL UTILITY COST DURING CONSTRUCTION AND CONTACT DEEANA GHOLSON AT ECOVA, INC. #509.329.1516 TWO WEEKS PRIOR TO FIXTURE DATE FOR TRANSFER TO TSC.
26. DOCK ACCESS FROM ROAD MUST BE ACHIEVED 3 WEEKS PRIOR TO FIXTURE DATE.
27. THE GENERAL CONTRACTOR OR LANDLORD SHALL SUBMIT A REPORT, ON A WEEKLY BASIS INDICATING THE PERCENT COMPLETE FOR EACH LINE ITEM ON THE SCHEDULE USING THE TSC WEEKLY PROGRESS REPORT ALONG WITH PHOTOS PER PHOTO LOG ON THE BLANK REPORTS PROVIDED BY TSC.
28. T.S.C. WILL EMPLOY AN INDEPENDENT INSPECTION COMPANY FOR CONCRETE QUALITY & STRENGTH AND STRUCTURAL STEEL AS INDICATED WITHIN STRUCTURAL & GREENHOUSE DOCUMENTS. THE RESULTS ARE TO BE SUBMITTED TO THE OWNER AND THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL PROVIDE UPDATES TO T.S.C. RELATED TO SCHEDULE AND PROVIDE ACCESS FOR THE INDEPENDENT INSPECTIONS.
29. FOR RED STRIPING, CONTACT POP SOLUTIONS AT 901-795-5936, ACCOUNT REP.: RICK TOWNE.
30. LANDLORD/LANDLORD GENERAL CONTRACTOR TO VERIFY WITH LOCAL POSTMASTER IF A MAILBOX IS REQUIRED. IF SO, GENERAL CONTRACTOR TO INSTALL MAILBOX TYPE AND LOCATION PER THE POSTMASTER RECOMMENDATION AND PER USPS STANDARDS.
31. 'J' MOLD TO BE USED AT ALL INTERSECTIONS OF GYPSUM BOARD AND ANY OTHER NON-GYPSUM MATERIAL.
32. CORNER GUARDS TO BE USED AT ALL INTERIOR 'OUTSIDE' CORNER CONDITIONS.
33. DURING CONSTRUCTION, ANY PARTIALLY COMPLETED MASONRY WALLS (CMU, BRICK, ETC.) SHALL BE COVERED WITH STRONG WEATHER RESISTIVE MATERIAL DURING ALL TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS AND ESPECIALLY AT THE END OF EACH WORK DAY. THE COVER SHALL BE DRAPED OVER THE WALL AND EXTEND A MINIMUM OF (2) TWO FEET DOWN FROM BOTH SIDES AND SECURELY HELD IN PLACE.
34. FOR SOS TRUCK DELIVERIES ON RELO STORES, COORDINATE WITH TSC STORE SERVICES SPECIALIST [BRAD COOPER (BCooper@tractorsupply.com)] FOR RENTAL TOW-MOTOR DROP. RENTAL TOW-MOTOR SHOULD ARRIVE NO LATER THAN THE WEDNESDAY PRIOR TO FIXTURE DATE. THE RENTAL TOW-MOTOR WILL BE PICKED-UP THE MONDAY FOLLOWING THE STORE'S SOFT OPENING DATE.
35. FINISHED SPACE SHALL BE PROVIDED IN A MANNER THAT PREVENTS RODENT INTRUSION. SEAL PENETRATIONS THROUGH EXTERIOR WALL SURFACES WITH AN AEROSOL, MOISTURE-CURING POLYURETHANE FOAM SIMILAR TO "PUR BLACK" BY TODOL PRODUCTS, INC. (508.651.3818) OR APPROVED EQUAL.
36. CONCRETE MASONRY UNITS AND EXTERIOR CONCRETE MOISTURE CONTENT CRITERIA. GENERAL CONTRACTOR, OR, THE OWNERS TESTING COMPANY SHALL PROVIDE MOISTURE TESTING OF ALL CMU AND CONCRETE EXTERIOR WALL PER ASTM D4263 PRIOR TO APPLICATION OF PAINT.
37. TSC PROJECT MANAGER MUST APPROVE THE APPLICATION OF PAINT IN WRITING, IF THE MOISTURE CONTENT IS ABOVE 15%.
38. GENERAL CONTRACTOR TO HAVE A LOCAL CONTACT WITHIN 2-HOURS FOR ALL (NON)WARRANTY ELECTRICAL AND/OR PLUMBING CALL BACK REPAIRS.
39. ADD STEEL WOOL AT ALL CONDUIT/PIPE PENETRATIONS AT EXTERIOR WALLS AND ADD ESCUTCHEON PLATE AND PROVIDE SEALANT AT ALL ESCUTCHEON EDGES TO PREVENT RODENT INTRUSION.
40. AT EXISTING HVAC CURBS, CONTRACTOR TO INSTALL STEEL WOOL AND CLOSED-CELL SPRAY FOAM AT ALL CURB PENETRATIONS TO PREVENT RODENT INTRUSION. CONTRACTOR TO VERIFY ALL WARRANTIES REMAIN INTACT AND APPROVED BY LANDLORD.

FINAL FIXTURE PLAN TO BE RECEIVED BY CONTRACTOR AND/OR LL APPROXIMATELY 8 WEEKS PRIOR TO FIXTURE DATE TO ESTABLISH PROPER PLACEMENT OF ALL COUNTERS, POWER POLES, AND WOOD GRAIN FLOORING.

ON TSC OWNED PROJECTS ONLY. AN EXTREME WEATHER EVENT AND/ OR WEATHER RELATED CONDITIONS TO BE CONSIDERED FOR A CHANGE ORDER TO THE BASE CONTRACT MUST BE SUBSTANTIATED AS AN EVENT EXCEEDING THE PRIOR 3 YEAR AVERAGE OF SUCH AN EVENT VIA ACCUWEATHER.COM FOR THE SPECIFIC LOCATION AND SCHEDULE OF THIS PROJECT. PROPOSED CHANGE ORDERS OR CHARGES FOR WEATHER RELATED ISSUES MUST EXCEED THAT 3 YEAR AVERAGE IN ORDER TO BE CONSIDERED.

HARDWARE SCHEDULE

SET #	DOORS	QUANTITY	ITEM	MANUFACTURER
1 C	2, 3, 9	1 EA. 1 EA. 1 EA.	THUMB TURN -CYLINDER -26D MORTISE CYLINDER 28107-1-26D DRIP CAP 16A X 76 - A BALANCE OF HARDWARE BY DOOR SUPPLIER	KABA KABA NAT
1 D	7, 8	1 EA. 1 EA. 1 EA.	MORTISE CYLINDER 28107-1-26D DUMMY CYLINDER 7160DC-26D IC6TA2 (GREEN CONSTRUCTION CORE) BALANCE OF HARDWARE BY DOOR SUPPLIER	KABA KABA BEST
2	1, 6, 10		ALL HARDWARE BY DOOR SUPPLIER	
4	5	1 EA. 1 EA. 3 EA.	CONTINUOUS HINGE 224D PRIVACY LOCK T3015 X D X 2398/1BT X 5164 X 1 3/4- 626 SILENCER SR64- GRY	MCK FAL IVE
5	4	3 EA. 1 EA. 2 EA. 1 EA. 1 EA. 1 EA. 1 EA. 1 EA.	HINGES MPB179 4 1/2 X 4 1/2 NRP- 26D ALARMED EXIT DEVICE ECL-230D-GRAY RIM CYLINDER R2820T-9 SURFACE PULL 8N US28 CLOSER, PARALLEL ARM SC81 A X DS X SLIM-689 THRESHOLD 886V- MILL DOOR BOTTOM 795WH- MILL WEATHERSTRIP 160V - MILL DRIP CAP 16A-A	MCK DET KABA HAG FAL NAT NAT NAT NAT
7	16	3 EA. 1 EA. 1 EA. 3 EA.	HINGES MPB179 4 1/2 X 4 1/2 NRP- 26D OFFICE LOCKSET T511 X D X 2398/1BT X 5164 X 1 3/4 -626 WALL STOP WS407-CCV-US32D SILENCER SR64- GRY	MCK FAL IVE IVE

DOOR-OPENING FORCE - FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE FORCE FOR PUSHING OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS:

1. INTERIOR HINGED DOOR: 5.0 POUNDS MAXIMUM
2. SLIDING OR FOLDING DOOR: 5.0 POUNDS MAXIMUM

THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.

ALL LOCKSETS WILL BE FURNISHED CONSTRUCTION KEYED. AT THE END OF THE CONSTRUCTION PERIOD NEW PERMANENT CORES BY INSTAKEY WILL BE FURNISHED TO THE CONTRACTOR WHO WILL THEN CHANGE THEM OUT AND RETURN THE CONSTRUCTION CORES TO THE SUPPLIER. THERE WILL BE A SEALED CARTON WITH THE SHIPMENT. THE CONTRACTOR IS TO TURN THAT SEALED CARTON OVER TO THE TSC STORE MANAGER AND GET THEIR SIGNATURE ON THE ENCLOSED RECEIPT. FORWARD THAT RECEIPT ALONG WITH THE CONSTRUCTION CORES AND CONTROL KEYS TO THE SUPPLIER "MJN". THE ITEMS IN THE SEALED CARTON ARE FOR FUTURE STORE OPERATIONS AND ARE NOT CONSTRUCTION RELATED.

PROTOTYPES & RETROFITS

FLOOR IN SALES	CONCRETE FLOORING SPECIFICATIONS, PROVIDE THE FOLLOWING: • ANY FLOOR AREAS OVER 3' ROUND WILL BE PREPPED BY THE 'GC'. • MECHANICALLY GROUND AND POLISHED FLOOR SURFACE TO A 400 GRIT RESIN DIAMOND FOLLOWED BY 800 GRIT DIAMOND PAD BURNISH FOR A MID LEVEL GLOSS. INCLUDED IN THIS PROCESS IS CONCRETE DENSIFICATION, JOINT/CRACK FILLING UP TO 1150 LF AND PATCHING OF HOLES SMALLER THAN 3' THAT POSE A TRIP HAZARD. PROCESS TO BE INSTALLED BY FLOORING SUB-CONTRACTOR.
FLOOR IN PET WASH	CONCRETE FLOORING SPECIFICATIONS, PROVIDE THE FOLLOWING: • POUR AND/OR FINISH THE CONCRETE FLOOR PER THE LATEST SCP CONCRETE SPECIFICATIONS; INCLUDING AREAS WHERE PATCHING IS REQUIRED. • DO NOT ATTEMPT TO BROOM FINISH THIS ROOM. • RESINOUS EPOXY FLOORING SYSTEM w/ 4" INTEGRATED COVING INSTALLED BY FLOORING SUB-CONTRACTOR. • FINISHED FLOOR DRAIN HEIGHT TO BE FLUSH WITH FLOOR SURFACE. • NO FLOOR MOUNTED FIXTURES OR EQUIPMENT TO BE PLACED PRIOR TO THE INSTALLATION OF THE FLOORING. • END RESULT TO BE TEXTURED TO AVOID SLIPPING HAZARD AND NON-ABRASIVE. EUCLID HIGH PERFORMANCE EPOXY OR EQUAL TORGINOL FB-127 'CABIN FEVER' 1/16 " FLAKE @ 20-25 LABS PER PET WASH FLOOR AND BASE. FIRST COAT: EPOXY w/ FB-127 'CABIN FEVER' FLAKES BROADCAST TO REJECTION. SECOND COAT: EUCLID HIGH PERFORMANCE CLEAR THIRD COAT: EUCLID POLY SEAL HIGH SOLIDS POLYASPARTIC TOP COAT CLEAR.

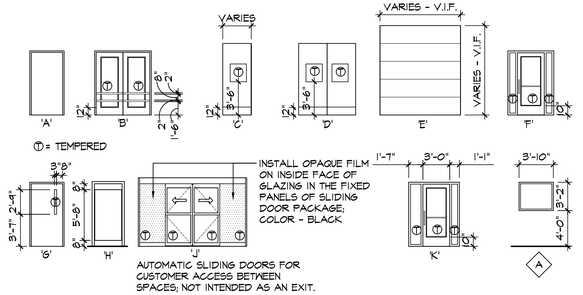
NOTE: TSC REQUIRES NO GAP BETWEEN THE BOTTOM RAIL OF THE CANTILEVER GATE AND THE FINISH GRADE SHALL BE GREATER AT ANY POINT WITHIN THE GATE OPENING THAN THE DEPTH OF THE CASTERS. GENERAL CONTRACTOR IS RESPONSIBLE FOR RESOLVING GRADES AT F.O.D.

AN ABBREVIATED CONCRETE SPECIFICATION APPROVED BY TSC SHALL BE INCLUDED FOR ALL RETROFIT PROJECTS. A COPY OF A GENERIC ABBREVIATED CONCRETE SPECIFICATION APPROVED BY TSC IS AVAILABLE FROM ONYX CREATIVE UPON REQUEST.

ONYX CREATIVE, INC.
25001 EMERY ROAD, SUITE 400
CLEVELAND, OH 44128
216-223-3200

DOOR SCHEDULE

MARK	SIZE	TYPE	MATERIAL	FRAME	HARDWARE SET	REMARKS
6	(2) 3'-0" X 8'-0"	D	CHASE IMPACT DOORS	MTL.	2	18 & 23
~~7~~	~~3'-0" X 7'-0"~~	~~F~~	~~STORE FRONT GLASS~~	~~ALUM.~~	~~1D~~	~~3, 4, 18, 19 & 22~~



DOOR REMARKS (NOTES):

1. 10' WIDE X 10' HIGH COILING INSULATED METAL DOOR W/ ELECTRIC OPERATOR, (2) RADIO REMOTES, TIMER, CHAIN KEEPER AND REVERSING SAFETY EDGE. OVERRIDE BUTTON TO BE SUPPLIED BY OVERHEAD DOOR VENDOR AND INSTALLED BY GENERAL CONTRACTOR'S ELECTRICIAN. COLOR TO BE FACTORY FINISHED WHITE.
2. KEY OUTSIDE.
3. PROVIDED AND INSTALLED BY G.C.
4. DOOR TO HAVE 4" ALUM. HEAD AND THRESHOLD.
5. SIGNAGE TO BE PROVIDED BY TSC.
6. NOTE THAT DOORS REQUIRE A MINIMUM 10" BOTTOM RAIL TO RECEIVE KICK PLATES.
7. ALL DOORS TO HAVE A.D.A. APPROVED HARDWARE WHICH IS IN COMPLIANCE WITH IBC SECTION 1010.1.9.2.
8. GENERAL CONTRACTOR TO CHANGE OUT CONSTRUCTION CORES OF ALL HARDWARE PRIOR TO TURNOVER OF STORE. KEY AND TURNOVER DOCUMENT TO BE SIGNED BY G.C. AND STORE MANAGER.
9. ALL LOCKSETS KEYED TO ESTABLISH TSC GRANDMASTER KEY. ESTABLISH A NEW MASTER KEY AND KEY INDIVIDUALLY AS DIRECTED TO OPERATE ALL CYLINDERS & LOCK SETS. FURNISH (4) COPIES OF THE MASTER KEY, FURNISH 2 KEYS PER LOCK.
10. DOORS KEYED ALIKE.
11. ELECTRICIAN RESPONSIBLE FOR MAKING FINAL CONNECTION BETWEEN SECURITY VENDOR WORK AND DOOR WIRING.
12. CONTRACTOR TO INSTALL PLASTIC AIR CURTAIN WITH 50% PANEL OVERLAP @ NEW MASONRY OPENINGS INSIDE NEW DOOR. AIR CURTAIN INCLUDED WITH OVERHEAD DOOR VENDOR PACKAGE. INCLUDES ALL OVERHEAD DOORS IN RETROFIT STORES.
13. CONTRACTOR TO PROVIDE AND INSTALL DOOR SWEEPS.
14. DOORS TO HAVE FLAT THRESHOLD PROVIDED BY DOOR MANUFACTURER.
15. THE CHANNELS THAT MAKE UP THE JAMBS AND HEAD FOR THE ROLLING SERVICE DOOR AND ITS ATTACHMENT POINTS SHOULD BE FLUSH AND SMOOTH WITH THE SURROUNDING INTERIOR WALLS AS WELL AS ABOVE THE INTERIOR OPENING. PROVIDE A STRUCTURAL SURFACE IN LINE WITH THE JAMBS THAT EXTENDS ABOVE THE OPENING FOR A MINIMUM OF 30" FOR ATTACHMENT POINTS. STRUCTURAL SURFACE TO BE CAPABLE OF WITHSTANDING 1650 LB. POINT FORCE IN EITHER TENSION, COMPRESSION OR SHEAR.
16. PROVIDE AND INSTALL "EMPLOYEES ONLY" SIGN WHERE INDICATED.
17. (4) 2 EACH CRASH RAILS ON INSIDE OF EACH DOOR.
18. 72" X 96", 72" X 84" OR 36" X 96" OPENINGS TO BE PROVIDED AS: PI/PLUS, WITH 10" X 30" ADA COMPLIANT WINDOWS, 18" TALL BUMPERS, COLOR: RED. (OR) OPENINGS 96" X 120" TO BE: DURULITE STANDARD DOORS WITH 20" X 30" ADA COMPLIANT WINDOWS, 36" TALL BUMPERS, COLOR: RED.
19. INSTALL CLEAR ANODIZED STOREFRONT FRAMING WITH 1/4" TEMP. CLEAR GLASS SIDELIGHTS. DOOR TO SWING OPEN TO CENTER OF STORE. SIDELIGHT GLASS TO ACCEPT 6.25" X 48.85" VINYL FILM. NARROW STILE DOOR WINDOW GLASS TO ACCEPT 30.25" X 57.825" VINYL FILM.
20. ANEMOSTAT WINDOW KIT WITH CLEAR TEMPERED 1/4" GLASS WITH GLAZING TAPE APPLIED (BOTH SHIPPED LOOSE). BY VENDER #1.
21. CONTRACTOR TO PAINT FRAME SW7513 SANDERLING BOTH SIDES.
22. SFIC COMPATIBLE HARDWARE.
23. DOORS AND SELF-SUPPORTING FRAME SUPPLIED BY TSC, INSTALLED BY CONTRACTOR.
24. COORDINATE DOOR WITH VENDOR #1 AND MERCHNEY GREENHOUSES ON FRAME ORDER AND INSTALLATION.
25. DOOR AND FRAME BY VENDOR #1.
26. DOOR AND FRAME BY MERCHNEY GREENHOUSES.
27. PET CLING DOORS TO BE PROVIDED WITH SEPARATE CORE AND KEYED UNIQUE (SHOULD NOT MATCH STORE KEYS). 5 KEYS SHALL BE PROVIDED TO PET CLING OPERATOR.

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FUSION PROJECT
STORE #945
825 US 31 SOUTH
TRAVERSE CITY, MI 49685

Project No.:	19720
Drawn By:	
Date	Issue
1-7-22	PERMIT
1-21-22	⚠1 REVISION 1

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NOTES & DOOR / HARDWARE SCHEDULES

COLOR SCHEDULE

EXTERIOR BUILDING FINISHES:

22 GAUGE GALVANIZED CORRUGATED STEEL PANEL. - 'MATTE / WEATHERED' FINISH
GALVANIZED STANDING SEAM METAL ROOFING (ROOF AT VESTIBULE GABLE)

METAL SIDING — 26 GA. MTL. REVERSE 'R' PANEL. - COLOR TO BE DETERMINED BASED ON BUILDING TYPE ON PRE ENGINEERED BUILDINGS

CONCRETE MASONRY UNITS AND EXTERIOR CONCRETE MOISTURE CONTENT CRITERIA.
GENERAL CONTRACTOR, OR, THE OWNERS TESTING COMPANY SHALL PROVIDE MOISTURE TESTING OF ALL CMU AND CONCRETE EXTERIOR WALL PER ASTM D4263 PRIOR TO APPLICATION OF PAINT. TSC PROJECT MANAGER MUST APPROVE THE APPLICATION OF PAINT IN WRITING, IF THE MOISTURE CONTENT IS ABOVE 15%.

CONCRETE MASONRY UNITS FOR CONVENTIONAL BUILDINGS.
ELASTOMERIC SYSTEM
FLAT FINISH - COLOR TO MATCH SW7513 SANDERLING TO 4'-0" A.F.F., SW7532 URBAN PUTTY FROM 4'-0" A.F.F. TO TOP OF C.M.U. , ALL SIDES
1ST COAT: S-W LOXON ACRYLIC BLOCK SURFACER, LX01W0200 (50-100 SQ FT/ GAL @ 16 MILS WET; 8 MILS DRY)
2ND COAT: S-W CONFLEX XL SMOOTH HIGH BUILD ACRYLIC COATING, CF11 SERIES
3RD COAT: S-W CONFLEX XL SMOOTH HIGH BUILD ACRYLIC COATING, CF11 SERIES
(16 MILS WET, 7.5 MILS PER DRY COAT)
(ACCEPTABLE TOLERANCE IS 9-10 PINHOLES PER SQ. FT.)

NOTE: APPLICATIONS MAY UTILIZE BRUSH, ROLLER OR AIRLESS SPRAYER; **HOWEVER, ALL COATS MUST BE BACK-ROLLED.** SEE SHERWIN WILLIAMS DATA SHEET APPLICATION RECOMMENDATIONS

RED ACCENT STRIPE (CONCRETE MASONRY UNITS)
HIGH GLOSS FINISH - COLOR TO MATCH SW4081 SAFETY RED FROM 10'-0" A.F.F. TO 10'-8" A.F.F., FRONT, LEFT, AND RIGHT SIDES
2 COATS: S-W ACROLON 100, B65R720 PART A SAFETY RED/ B65V720 PART B HARDENER
APPLY AS NEEDED FOR COMPLETE COVERAGE)
APPLY TO EXTERIOR RED STRIPE ONLY
CLEAR COAT GLOSS FINISH - DIAMOND-CLAD WB
3 COMPONENT, LOW VOC WATERBASED ACRYLIC POLYURETHANE CLEAR COAT
DIAMOND-CLAD CLEAR COAT URETHANE GLOSS CLEAR PART A (B65T175)
DIAMOND-CLAD CLEAR COAT URETHANE HARDNER PART B (B65V175)
DIAMOND-CLAD CLEAR COAT URETHANE CATALYST PART C (B65C175)
MIX COMPONENTS PER MANUFACTURERS SPECIFICATIONS COAT ACROLON WITHIN 48 HOURS
RECOMMENDED SPREAD RATE (WET MILS: 2.4-4.8 AND DRY MILS: 1.0-2.0)

BOLLARDS
6' SCHEDULE 40 CONCRETE FILLED PIPE BOLLARD WITH MCCUE POST COVER CSPC-6-307

RED STRIPE BY POP SOLUTIONS AROUND VESTIBULE BUMP OUT TO MATCH RED STRIPE SW 4081 SAFETY RED

LIGHTING POLE BASES
GLOSS FINISH - COLOR TO BE SW4084 SAFETY YELLOW
1ST COAT: S-W LOXON ACRYLIC BLOCK SURFACER, LX01W0200 (50-100 SQ FT/ GAL @ 16 MILS WET; 8 MILS DRY)
2ND COAT: S-W CONFLEX XL SMOOTH HIGH BUILD ACRYLIC COATING, CF11 SERIES
3RD COAT: S-W CONFLEX XL SMOOTH HIGH BUILD ACRYLIC COATING, CF11 SERIES
(APPLY AS NEEDED FOR COMPLETE COVERAGE)
PRODUCT IS PACKAGE SAFETY YELLOW; COLOR ACCEPTANCE SHOULD BE APPROVED BY TRACTOR SUPPLY.

LOADING DOCK GUARDRAILS, ROOF ACCESS LADDER AND HOLLOW METAL DOOR/FRAMES:
GLOSS FINISH - COLOR TO MATCH SW1012 POWER GREY
1ST COAT: S-W KEM KROMIK UNIVERSAL METAL PRIMER, B50Z SERIES (6.0 - 8.0 MILS WET / 3.0 -4.0 MILS DRY PER COAT)
2ND COAT: S-W INDUSTRIAL ENAMEL HS, B54Z400 SERIES
3RD COAT: S-W INDUSTRIAL ENAMEL HS, B54Z400 SERIES
(2.0 - 4.0 MILS DRY PER COAT)
(APPLY AS NEEDED FOR COMPLETE COVERAGE)

STOREFRONT FRAMING — CLEAR ANODIZED ALUMINUM

E.I.F.S. — DRYVIT, # 113 AMARILLO WHITE, SANDPEBBLE TEXTURE
E.I.F.S. (ACCENT) — DRYVIT, COLOR MATCH TO SW4081 SAFETY RED

INTERIOR FINISHES:

MASONRY (CONCRETE, SCORED, SMOOTH, HIGH/LOW DENSITY)
SEMI-GLOSS FINISH - COLOR TO MATCH SW7005 PURE WHITE
1ST COAT: S-W PREPRITE BLOCK FILLER B25W25 (75-125 SQ. FT./GAL @ 16 MILS WET; 8 MILS DRY)
2ND COAT: S-W PROMAR 400 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31W04651 SERIES
3RD COAT: S-W PROMAR 400 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31W04651 SERIES
(4 MILS WET, 1.3 MILS DRY PER COAT)

NOTE: APPLICATIONS MAY UTILIZE BRUSH, ROLLER OR AIRLESS SPRAYER; **HOWEVER, ALL COATS MUST BE BACK-ROLLED.** SEE SHERWIN WILLIAMS DATA SHEET APPLICATION RECOMMENDATIONS

OUTER CORE AREAS / INTERIOR DRESSING ROOM
DRYWALL (WALLS, GYPSUM BOARD, PLASTER BOARD, ETC.)
SEMI-GLOSS FINISH - (COLOR TO MATCH SW7005 PURE WHITE.)
1ST COAT: S-W PROMAR 200 ZERO VOC INTERIOR LATEX PRIMER, B28W02600 (4 MILS WET, 1.3 MILS DRY PER COAT)
2ND COAT: S-W PROMAR 400 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31W04651 SERIES
3RD COAT: S-W PROMAR 400 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31W04651 SERIES
(4 MILS WET, 1.3 MILS DRY PER COAT)

INNER CORE AREAS
SEMI-GLOSS FINISH - (COLOR TO MATCH SW7036 ACCESSIBLE BEIGE.)
1ST COAT: S-W PROMAR 200 ZERO VOC INTERIOR LATEX PRIMER, B28W02600 (4 MILS WET, 1.3 MILS DRY PER COAT)
2ND COAT: S-W PROMAR 400 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31W04651 SERIES
3RD COAT: S-W PROMAR 400 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31W04651 SERIES
(4 MILS WET, 1.3 MILS DRY PER COAT)

RED ACCENT STRIPE (IN RETAIL SALES AREA - 10'-3" TO BOTTOM OF STRIPE, 12' STRIPE)
SEMI-GLOSS FINISH - SW 4081 SAFETY RED
1ST COAT: S-W PROMAR 200 ZERO VOC INTERIOR LATEX PRIMER, B28W02600 (4 MILS. WET, 1.2 MILS DRY)
2ND COAT: S-W PROMAR 200 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31R02658
3RD COAT: S-W PROMAR 200 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31R02658

PET WELLNESS CENTER WALLS
SEMI-GLOSS FINISH - (COLOR: TO BE SELECTED; COORDINATE WITH T.S.C. PM AND CONSTRUCTION MANAGER.)
1ST COAT: S-W PROMAR 200 ZERO VOC INTERIOR LATEX PRIMER, B28W02600 (4 MILS WET, 1.3 MILS DRY PER COAT)
2ND COAT: S-W PROMAR 400 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31W04651 SERIES
3RD COAT: S-W PROMAR 400 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31W04651 SERIES
(4 MILS WET, 1.3 MILS DRY PER COAT)

WOOD (DOORS)
SEMI-GLOSS FINISH - COLOR TO MATCH SW1012 POWER GREY
1ST COAT: S-W PREPRITE 200 ZERO VOC INTERIOR LATEX PRIMER, B28W02600 (4 MILS WET, 1.3 MILS DRY PER COAT)
2ND COAT: S-W PROMAR 400 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31W04651 SERIES
3RD COAT: S-W PROMAR 400 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31W04651 SERIES
(4 MILS WET, 1.3 MILS DRY PER COAT)

OUTER DRESSING ROOM WALLS
GC TO PROVIDE:
1ST COAT: S-W PREPRITE 200 ZERO VOC INTERIOR LATEX PRIMER, B28W02600
TSC TO PROVIDE AND INSTALL:
WALLPAPER

EXPOSED CONDUIT IN RETAIL SALES AREA
GC TO PAINT EXPOSED CONDUIT IN RETAIL SALES AREA TO MATCH INTERIOR WALL FINISH

INTERIOR COLUMNS (METAL)
GLOSS FINISH - COLOR TO MATCH SW1012, POWER GREY
1ST COAT: S-W KEM KROMIK UNIVERSAL METAL PRIMER, B50Z SERIES (6.0 - 8.0 MILS WET / 3.0 - 4.0 MILS DRY PER COAT)
2ND COAT: S-W PROMAR 400 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31W04651 SERIES
3RD COAT: S-W PROMAR 400 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31W04651 SERIES
(4 MILS WET, 1.3 MILS DRY PER COAT)

EXTERIOR METAL AND INTERIOR WOOD DOORS:
(COLOR TO MATCH SW1012, POWER GREY)
(COLOR TO MATCH SW7513, SANDERLING - @ DRESSING ROOM DOOR ONLY)

METAL DOOR FRAMES
GLOSS FINISH - COLOR TO MATCH SW1012, POWER GREY
COLOR TO MATCH SW7513, SANDERLING - @ DRESSING ROOM DOOR ONLY
1ST COAT: FACTORY PRIMED
2ND COAT: S-W PROMAR 400 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31W04651 SERIES
3RD COAT: S-W PROMAR 400 ZERO VOC INTERIOR LATEX SEMI-GLOSS, B31W04651 SERIES
(4 MILS WET, 1.3 MILS DRY PER COAT)

METAL DOOR FRAMES - OPTION (HARDER FINISH AND BETTER COLOR/GLOSS RETENTION)
GLOSS FINISH - COLOR TO MATCH SW1012, POWER GREY
COLOR TO MATCH SW7513, SANDERLING - @ DRESSING ROOM DOOR ONLY
1ST COAT: FACTORY PRIMED
2ND COAT: S-W PRO INDUSTRIAL WATERBASED ALKYD URETHANE ENAMEL B53W01051 SERIES
3RD COAT: S-W PRO INDUSTRIAL WATERBASED ALKYD URETHANE ENAMEL B53W01051 SERIES
(4 MILS WET, 1.6 MILS DRY PER COAT)

VINYL PLANK FLOORING	SWIFF-TRAIN COMPANY EARTHWERKS 'WOOD CLASSIC' GWT-C 9812
VINYL BASE	JOHNSONITE VINYL #40 BLACK. ALL INSIDE AND OUTSIDE CORNERS TO HAVE PRE-FORMED CORNER BASE.
PET WELLNESS CENTER L.V.T.	SHAW TERRAIN-II, 20 MIL. LVT 6"X48" - COLOR: TO BE SELECTED
PLASTIC LAMINATE	WILSONART 4857-60 SHADOW ZEPHYR AT EMPLOYEE LOUNGE COUNTERTOP PROVIDED BY TSC
GLOBAL INDUSTRIES PLASTIC LAMINATE	FLOOR MOUNTED TOILET PARTITIONS TO BE FINISHED WITH WILSONART LAMINATE, 4857-60 SHADOW ZEPHYR OR EQUAL AS REQUIRED BY LOCAL CODE.
RETAIL SALES TO BE PAINTED DOWN TO 7' A.F.F. BEHIND FIXTURES, AND 12' AROUND OPENINGS	
LAYIN CEILINGS & GRID (OFFICE CORE)	ARMSTRONG DUNE 1776 2X4, WHITE, SQUARE LAYIN, OR EQUAL
LAYIN CEILINGS & GRID (VESTIBULE)	GRID STONE GYPSUM CEILING PANELS 1/2" X 2' X 4'

FIBERGLASS REINFORCED PANEL (FRP): BY GLASTEEL, GLASLINER FRP.
COLOR: XA WHITE. FINISH: TEXTURED.
4' WAINSCOT TO 4' A.F.F. ON ALL WALLS ADJACENT TO THE WATER FOUNTAIN AND ON ALL NON-MASONRY WALLS IN RESTROOMS. SEE DETAILS A1.1 FOR MOP SINK CONDITION. SEE DETAILS A1.2 FOR PET WASH CONDITION.

CONDUIT IN CLOTHING AREA	CONDUIT ON EXTERIOR WALLS IN CLOTHING AREA: RUST-OLEUM UNIVERSAL HAMMERED ALL SURFACE PAINT + PRIMER. COLOR: BROWN
CONDUIT SURFACE MOUNTED ON WALLS (OTHER THAN NOTED ABOVE:	PAINT TO MATCH ADJACENT WALL COLOR.

FINISH SCHEDULE

ROOM NO.		WALLS	CEILING	BASE	FLOOR	REMARKS
101	VESTIBULE	PTD. C.M.U. / STOREFRONT	GYP. BD. CEILING PANELS @ 10'-0" A.F.F.	-	POLISHED CONC.	6, 9
102	RETAIL SALES	PTD. GYP. / C.M.U. (SEMI-GLOSS, WHITE)	EXP. STRUCTURE FACTORY PRIMED (GRAY) -OR- A.C.T. CEILING: EXISTING TO REMAIN - INFILL WHERE REQUIRED	VINYL	POLISHED CONC. w/ VINYL PLANK -OR- V.C.T. CEILING: EXISTING TO REMAIN - INFILL WHERE REQUIRED	2, 3, 9
103	SPRINKLER ROOM	PTD. GYP. / C.M.U. (SEMI-GLOSS, WHITE)	EXP. STRUCTURE FACTORY PRIMED (GRAY)	-	POLISHED CONC.	9
104	DRESSING ROOM	PTD. GYP. / C.M.U.	OPEN TO ACT ABOVE	VINYL	VINYL PLANK	2, 8
105	STOCKROOM	PTD. GYP. / C.M.U. / PLYWOOD (SEMI-GLOSS, WHITE)	EXP. STRUCTURE FACTORY PRIMED (GRAY)	-	NO WORK	9
106	CORRIDOR	PTD. GYP./ FRP	A.C.T. @ 8'-0"	VINYL	POLISHED CONC.	1, 4, 7, 9
107	MANAGER'S OFFICE	PTD. GYP.	A.C.T. @ 8'-0"	VINYL	POLISHED CONC.	1, 4, 9
108	EMPLOYEE LOUNGE	PTD. GYP.	A.C.T. @ 8'-0"	VINYL	POLISHED CONC.	1, 4, 9
109	MEN	PTD. GYP./C.M.U./ FRP	A.C.T. @ 8'-0"	VINYL	POLISHED CONC.	1, 4, 5
110	WOMEN	PTD. GYP./C.M.U./ FRP	A.C.T. @ 8'-0"	VINYL	POLISHED CONC.	1, 4, 5
112	PET WASH	PTD. GYP./ FRP / AL. MESH	ALUMINUM MESH SCREEN @ 10'-0"	EPOXY	EPOXY	
115	WELLNESS CLINIC	PTD. GYP.	A.C.T. @ 8'-0"	VINYL	VINYL PLANK	1, 2, 4, 10
--	WELLNESS CLINIC WAITING AREA	PTD. GYP. TO MATCH CLINIC	A.C.T. @ 8'-0"	VINYL	VINYL PLANK	1, 2, 4, 10

1. CEILING TILE: 2' x 4' X 3/4" MINERAL BOARD, NON-DIRECTIONAL FISSURED, MEDIUM TEXTURE, FLAME RESISTANCE CLASS A, FLAME SPREAD CLASS 1
2. VINYL PLANK: PURCHASED BY TSC; ORDERING & INSTALLATION BY CONTRACTOR. BEVELED EDGE VINYL PLANK TO BE USED AT EXPOSED TRANSITION OF VINYL PLANK FLOORING TO CONCRETE. *SEE SCHEDULE FOR CLINIC.
3. RED ACCENT STRIPE @ 10'-3" FROM FINISH FLOOR TO BOTTOM OF STRIPE -1'-0" STRIPE
4. WALL COLOR TO BE (SW7036 ACCESSIBLE BEIGE). TRIM AND DOORS TO BE (SW1012 POWER GRAY).
5. FRP WAINSCOT TO BE INSTALLED ON ALL NON-MASONRY WALLS 4'-0" A.F.F. COLOR: XA WHITE, FINISH: TEXTURED.
6. GRID STONE GYPSUM CEILING PANELS 1/2" X 2' X 4'
7. FRP WAINSCOT TO BE INSTALLED BEHIND AND ON ALL SIDES OF THE WATER COOLER ALCOVE TO 4'-0" A.F.F. COLOR: XA WHITE, FINISH: TEXTURED.
8. INTERIOR DRESSING ROOM WALLS TO BE PURE WHITE. EXTERIOR WALL EXTENDING ABOVE 9'-0" A.F.F. TO BE PAINTED PURE WHITE W/ RED STRIPE TO MATCH RETAIL SALES WALLS. EXTERIOR DRESSING ROOM WALLS TO BE WALLPAPER PROVIDED AND INSTALLED BY TSC.
9. SEE CONCRETE FINISHING REQUIREMENTS THIS SHEET.
10. GENERAL CONTRACTOR RESPONSIBLE FOR ALL CONCRETE REPLACEMENT. TRENCH POUR BACKS AND FILLING/PATCHING.
11. REFER TO SHEET A1.2, A1.2a & A1.2b (AS APPLICABLE) FOR WALL COLOR AND PAINT CONFIGURATION.

CLOSE-OUT BINDER REQUIREMENTS

LATEST - Q1 2021

PM **STORE # CITY/STATE** _____ **SO** _____

X = REQUIRED PROTO	X = REQUIRED RETRO		
			CONTRACTOR SHALL PROVIDE OWNER WITH ONE ELECTRONIC CLOSE-OUT BINDER ON A CD. ALL INFORMATION BELOW MUST BE INCLUDED. THE CLOSE-OUT BINDER SHALL BE SENT ATTN TO THE CONSTRUCTION COORDINATOR AT THE OWNER'S ADDRESS: 5401 VIRGINIA WAY, BRENTWOOD, TN 37027.
X	X	1.	NAME, ADDRESS AND TELEPHONE NUMBER OF THE CONTRACTOR AND ALL SUBCONTRACTORS.
X	X	2.	THE FINAL CERTIFICATE OF OCCUPANCY OR THE EQUIVALENT THEREOF DESCRIBED IN ARTICLE 15.5.2(b)
X	X	3.	AN ASSIGNMENT BY THE CONTRACTOR OF ALL GUARANTEES AND WARRANTIES FROM ALL SUBCONTRACTORS, VENDORS, SUPPLIERS, AND MANUFACTURERS, TOGETHER WITH ORIGINALS OF ALL SUCH GUARANTEES, WARRANTIES, AND OPERATING MANUALS (E.G. HVAC, ROOF, DOORS, WATER HEATER, ETC. AS APPLICABLE).
X	X	4.	COMPLETE LIST OF EQUIPMENT - COMPLETE TEMPLATE.
X	X	5.	CONFIRMATION IN WRITING FROM THE INSTALLER OF THE HVAC SYSTEM OR COMPONENTS THEREOF CONFIRMING THAT THE PROPER START-UP PROCEDURES WERE FOLLOWED.
N/A	X	6.	COMPLETE RETROFIT HVAC BREAKDOWN OF COSTS - COMPLETE TEMPLATE.
X	N/A	7.	COMPLETE PROTOTYPE HVAC INFORMATION - COMPLETE TEMPLATE.
N/A	X	8.	CERTIFICATE OF SEWER CLEAN-OUT BY THE PERSON WHO PERFORMED THE SAME.
X	X	9.	DISABILITY ACCESSIBILITY INSPECTION REPORTS SENT TO THE TEXAS DEPARTMENT OF LICENSING AND REGULATION (FOR TEXAS STORES ONLY).
X	X	10.	A COPY OF THE PUNCH LIST ITEMS SIGNED BY THE OWNER (OR STORE MANAGER, IF SO AUTHORIZED BY OWNER) CONFIRMING ALL PUNCH LIST ITEMS ARE COMPLETED.
X	X	11.	(1) PDF CONTAINING WORKING DRAWINGS AND PLANS AND SPECIFICATIONS REFLECTING 'AS-BUILT' CONDITIONS, WITH A SUMMARY LIST OF CHANGES, INCLUDING IN .PDF FORMAT.
X	X	12.	A COMPLETE SET OF FIRE SPRINKLER SHOP DRAWINGS, IF APPLICABLE.
N/A	X	13.	A CERTIFICATE EVIDENCING THAT INSURANCE REQUIRED UNDER THE CONTRACT DOCUMENTS SHALL REMAIN IN FORCE AFTER FINAL PAYMENT AND SHALL NOT BE CANCELED, REDUCED, OR ALLOWED TO EXPIRE UNTIL AT LEAST 30 DAYS PRIOR WRITTEN NOTICE HAS BEEN GIVEN TO THE OWNERS.
X	X	14.	CERTIFICATION OF WATER WELLS AN/OR SEPTIC SYSTEMS THAT DEMONSTRATE INSPECTION AND ACCEPTANCE BY THE MUNICIPALITY. THIS SHOULD INCLUDE ANY ONGOING TESTING AND/OR INSPECTIONS THAT ARE REQUIRED AS WELL AS THE INTERVAL AT WHICH TESTING AND/OR INSPECTION MUST BE COMPLETED.
N/A	X	15.	DIGITAL PHOTOGRAPHS OF THE 'BEFORE' AND 'AFTER' OF THE FRONT VIEW OF THE STORE.
X	X	16.	ROOFING INSPECTION REPORT FROM THE ROOFING MANUFACTURER (SHOULD REFLECT ROOF PROPERLY INSTALLED AND AS SUCH WARRANTY 100% IN TACT).
X	N/A	17.	CERTIFICATION FROM THE PROJECT CIVIL ENGINEER THAT THE STORM WATER DRAINAGE SYSTEM HAS BEEN CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND ALL APPLICABLE LAWS (SEE LEASE EXHIBIT).

TSC PM - SIGNATURE — DATE

NOTE: GENERAL CONTRACTOR / LANDLORD TO SEE LEASE / CONTRACT FOR SPECIFIC CHECKLIST

EXHIBIT H-1: TRAINING CERTIFICATION

COPY OF THIS EXECUTED DOCUMENT TO BE INCLUDED IN THE CLOSE OUT DOCUMENTS PROVIDED BY THE GENERAL CONTRACTOR (FOR RETRO FIT BY TENANT) OR LANDLORD (RETRO FIT BY LL AND GROUND UP PROJECTS) **TO TRACTOR SUPPLY COMPANY!**

INITIAL TSC STORE MANAGER	INITIAL GC	
		TRAINING HAS BEEN COMPLETED WITH THE STORE MANAGER BY THE GENERAL CONTRACTOR (GC) ON HOW TO USE, OPERATE AND MAINTAIN:
		THE IRRIGATION SYSTEM. ALSO, THE TSC STORE MANAGER HAS BEEN ADVISED THAT THE STORE IS RESPONSIBLE FOR MAINTAINING ALL LANDSCAPING STARTING AT EITHER FIXTURE DATE OR COMPLETION DATE, THE LATTER OF THE TWO DATES.
		THE LIGHT TIMER SYSTEM INCLUDING REVIEW OF THE SCHEDULE
		THE HVAC SYSTEM OPERATION INCLUDING HOW TO ADJUST THE PROGRAMMABLE THERMOSTATS.
		THE AUTOMATIC FRONT DOORS OPERATIONS INCLUDING SENSOR ADJUSTMENTS.
		THE OVERHEAD DOORS OPERATIONS INCLUDING TIMER, TIMER OVERIDE, AND SAFETY EDGE.
		THE DELAY EGRESS DOOR (THE RESET BUTTON IS IN THE CONTROL BOX AND HAS TO BE RESET ANY TIME POWER IS LOST).

DUSHAN BOUCHEK | ARCHITECT
25001 Emery Road, Suite 400
Cleveland, Ohio 44128
216.223.3200 onyxcreative.com

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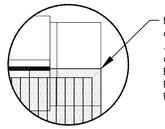
TSC TRACTOR SUPPLY CO.

FUSION PROJECT
STORE #645
825 US 31 SOUTH
TRAVERSE CITY, MI 49685

Project No.: 19720
Drawn By:
Date: 1-7-22
Issue: PERMIT

A0.1

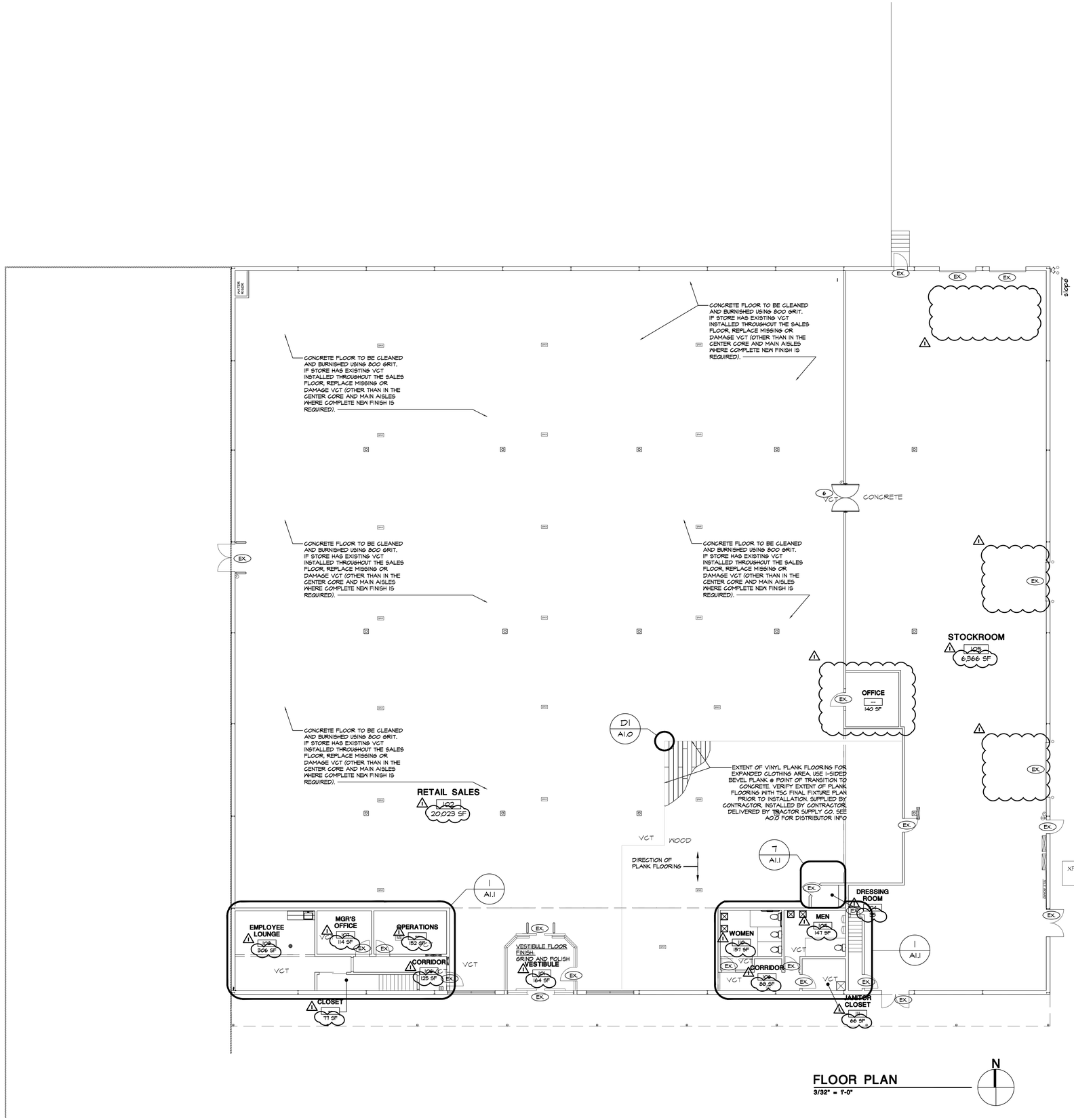
FINISH SCHEDULES & VENDOR INFORMATION



MITER VINYL PLANK AT OUTSIDE CORNER OF EXTENT OF CLOTHING AREA. RETURN VINYL PLANK TO COVER ALL EXPOSED SHORT EDGES UNTIL FIXTURES COVER FLOORING. COORDINATE W/ FINAL FIXTURE PLAN.

D1 | VINYL PLANK RETURN DETAIL

N.T.S.



FLOOR PLAN

3/32" = 1'-0"

N

DUSHAN BOUCHEK | ARCHITECT

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TSC TRACTOR SUPPLY CO.

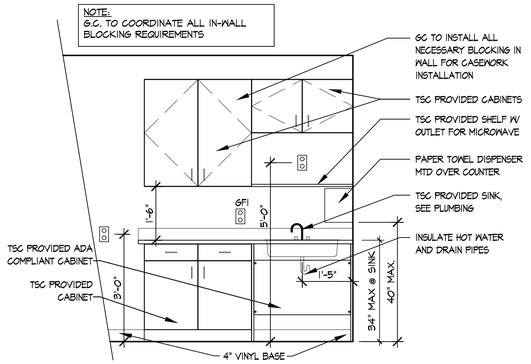
FUSION PROJECT

STORE #645
825 US 31 SOUTH
TRAVERSE CITY, MI 49685

Project No.:	19720
Drawn By:	
Date	Issue
1-7-22	PERMIT
1-21-22	⚠1 REVISION 1

A1.0

FLOOR PLAN



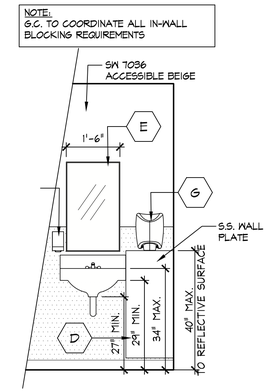
BREAK ROOM COUNTER
6 | ELEVATION
1/2"=1'-0"

TOILET ROOM ACCESSORIES

TAG	DESCRIPTION		MANUFACTURER #	MODEL	REMARKS	NOTES
A	TOILET PAPER DISPENSER		F.B.O., I.B.C.			IF APPLICABLE PER S.O.W.
B	ACCESSIBLE GRAB BARS (WATER CLOSETS)	SIDE	BRADLEY	B820-001-42	MOUNT 33"-36" A.F.F. TO TOP, MAX	IF APPLICABLE PER S.O.W.
	ACCESSIBLE GRAB BARS (WATER CLOSETS)	BACK	BRADLEY	B820-001-36	MOUNT 33"-36" A.F.F. TO TOP, MAX	IF APPLICABLE PER S.O.W.
	ACCESSIBLE GRAB BARS (WATER CLOSETS)	VERT.	BRADLEY	B820-001-18	MOUNT 34"-41" A.F.F. TO BOTTOM OF BAR	IF APPLICABLE PER S.O.W.
C	TOUCHLESS SOAP DISPENSER		SCOTT BRAND F.B.O., I.B.C.	32504	MOUNT 40" A.F.F. MAX TO CONTROL	
D	16" X 36" STAINLESS STEEL PANEL		F.B.O., I.B.C		40" TO TOP OF PANEL	IF APPLICABLE PER S.O.W.
E	MIRROR (¼" POLISHED PLATE GLASS)		1 PIECE, 18" X 36"		MOUNT 40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE	IF APPLICABLE PER S.O.W.
F	PAPER TOWEL DISPENSER		F.B.O., I.B.C.		MOUNT 40" A.F.F. MAX TO CONTROL	IF APPLICABLE PER S.O.W.
G	SMARTDRI PLUS		WORLD DRYER	K-974P2	MOUNT 40" A.F.F. MAX TO CONTROL	IF APPLICABLE PER S.O.W.

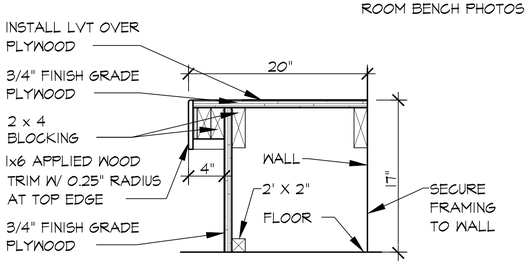
GENERAL NOTES

1. TOILET ROOM ACCESSORIES TO BE INSTALLED BY G.C.
2. F.B.O.,I.B.C. (FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.)
3. AUTOMATIC CONTROL
4. FRP TO 4'-0" A.F.F. ON ALL WALLS EXCEPT CMU UNLESS NOTED OTHERWISE.
5. ALL PLUMBING FIXTURES TO BE ANCHORED PER ALL ANCHOR POINTS.
6. PROVIDE CEILING BATT INSULATION FOR RESTROOMS.
7. NO ITEMS SHALL BE LOCATED FROM FLOOR TO CEILING WITHIN 18" OF THE EDGE OF THE PULL SIDE OF THE BATHROOM DOORS.

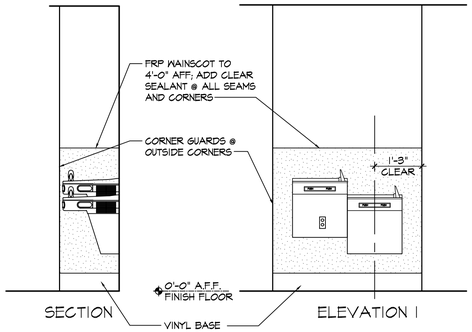


RESTROOMS
3 | ELEVATION
1/2"=1'-0"

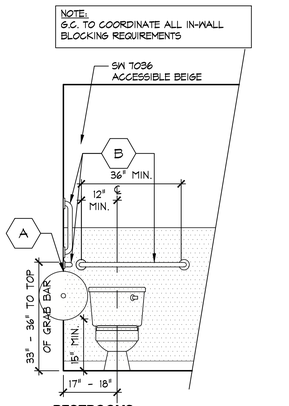
FINISHED DRESSING ROOM BENCH PHOTOS



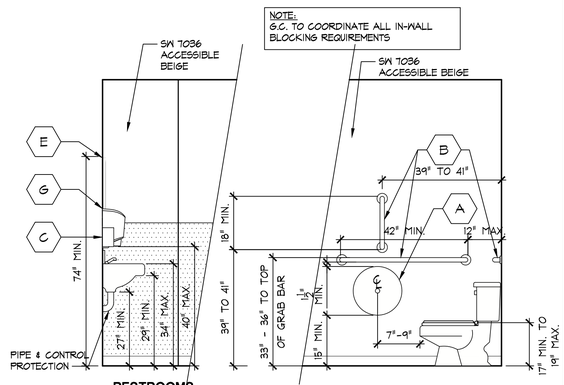
8 | DETAIL
1 1/2"=1'-0"



DRINKING FOUNTAIN
8 | ELEVATION
1/2"=1'-0"

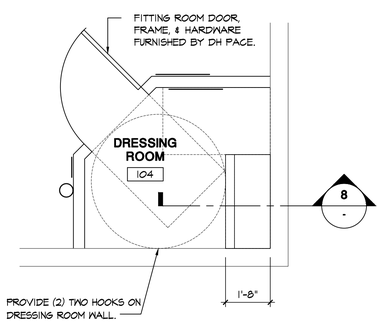


RESTROOMS
4 | ELEVATION
1/2"=1'-0"

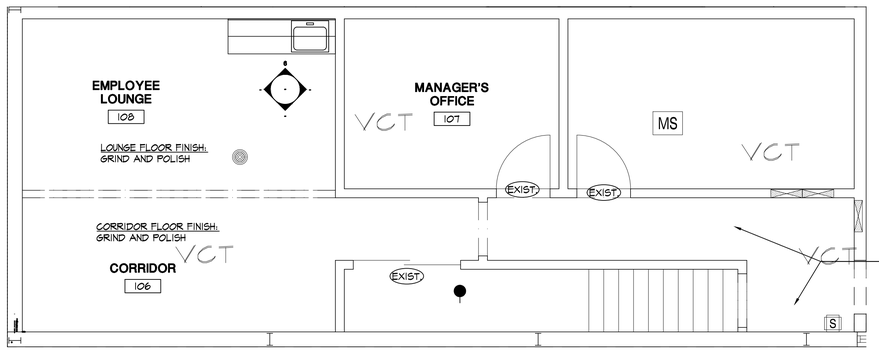


RESTROOMS
2 | ELEVATION
1/2"=1'-0"

NOTE: CONTRACTOR TO REMODEL DRESSING ROOM @ FRONT OF BUILDING ON RIGHT SIDE. G.C. TO COVER EXISTING BENCH WITH LVT TO MATCH NEW CLOTHING DEPARTMENT FLOORING OR BUILD ADA COMPLIANT BENCH PER PLANS BELOW.

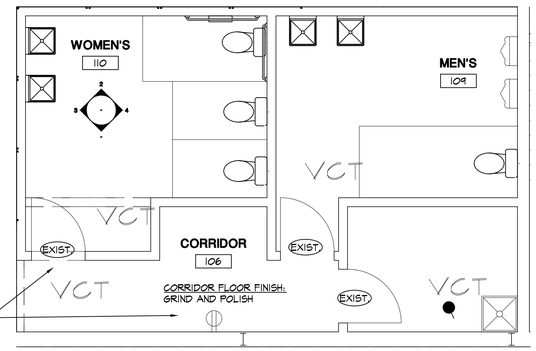


DRESSING ROOM
7 | ENLARGED PLAN
3/8"=1'-0"



7 | DETAIL
1"=1'-0"

IF STORE HAS EXISTING V.C.T. ON THE SALES FLOOR AND THERE IS NOT A DOOR TO THE OFFICE/RESTROOM CORRIDOR, V.C.T. SHALL REMAIN IN CORRIDOR - REPLACE MISSING OR DAMAGED TILES.



COORDINATE WITH TSC PM EXTENT OF WORK REQUIRED IN OFFICE CORE INCLUDING ROOM LAYOUTS AND FINISHES, NEW RESTROOM FIXTURES WITH HANDS-FREE HARDWARE, AND BREAK ROOM FIXTURES

OFFICE CORE
1 | ENLARGED PLAN
1/4"=1'-0"

DUSHAN BOUCHEK | ARCHITECT
25001 Emery Road, Suite 400
Cleveland, Ohio 44128
216.223.3200 onyxcreative.com

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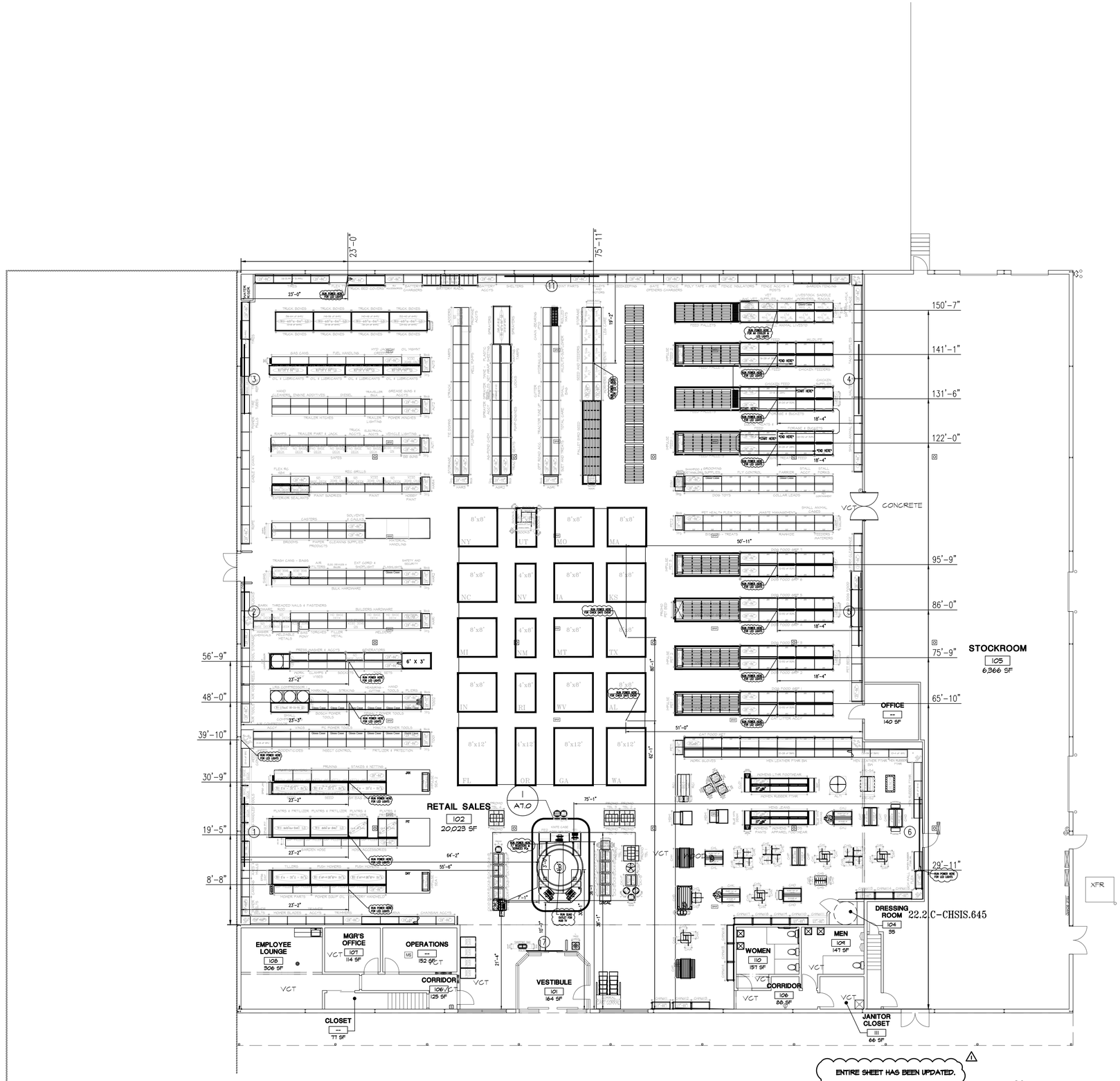
TSC TRACTOR SUPPLY CO.

FUSION PROJECT
STORE #645
825 US 31 SOUTH
TRAVERSE CITY, MI 49685

Project No:	19720
Drawn By:	
Date	Issue
1-7-22	PERMIT

A1.1

INTERIOR ELEVATIONS, SCHEDULES, & DETAILS



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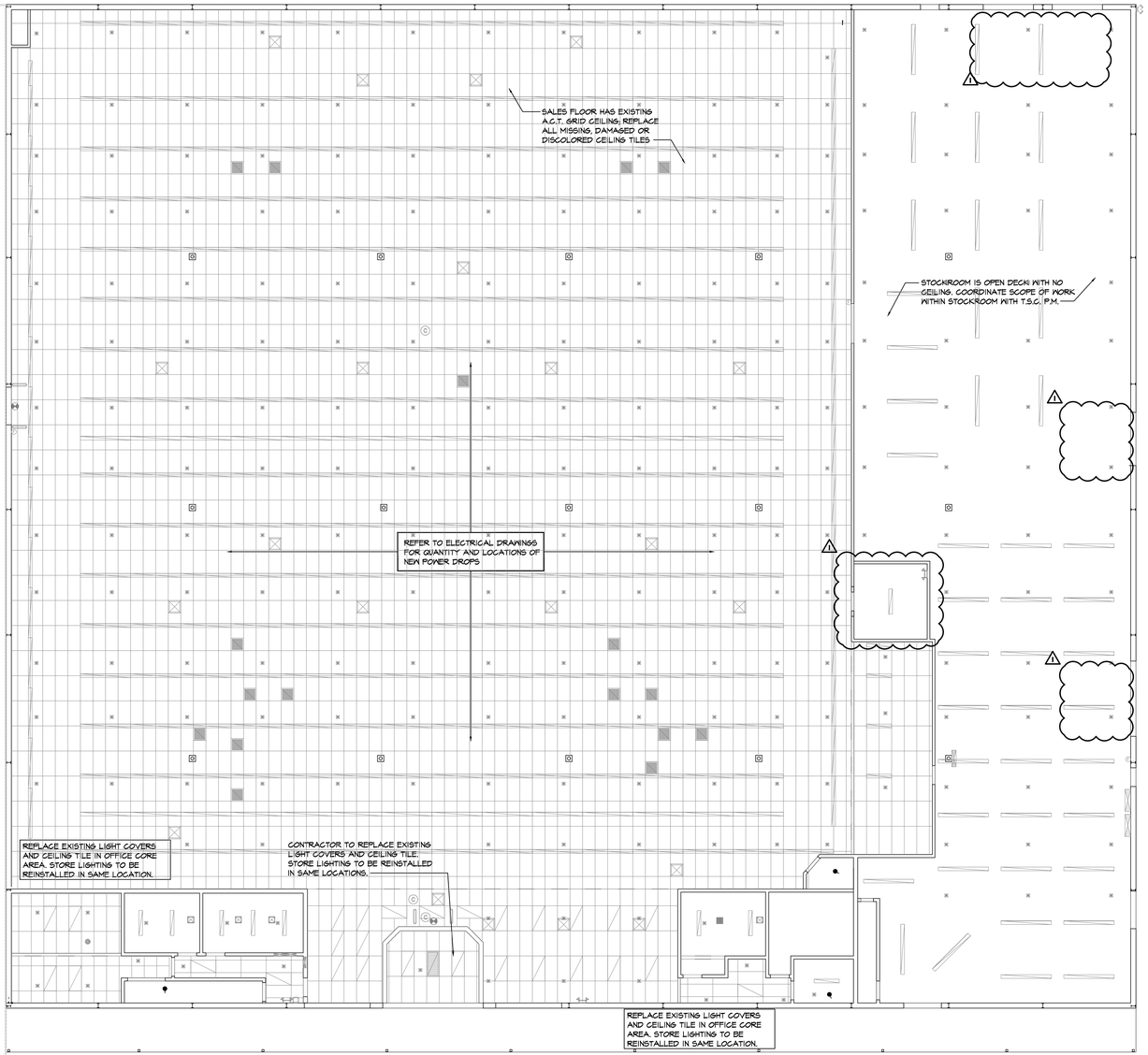
A2.0

FIXTURE PLAN



REFLECTED CEILING PLAN

3/32" = 1'-0"

N

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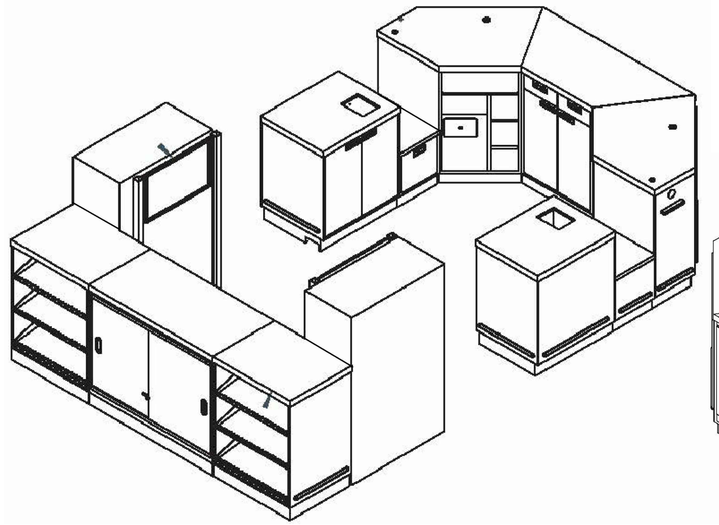
A3.0

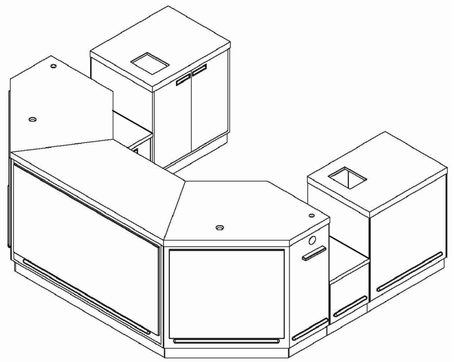
CEILING PLAN

"U" REGISTER COUNTER

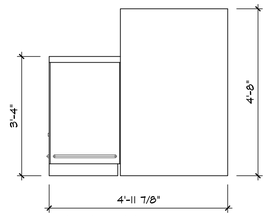
LANDLORD/ GENERAL CONTRACTOR RESPONSIBLE FOR RECEIVING' PLACING AND ASSEMBLY OF ALL TENANT SUPPLIED MILLWORK.



8 | CHECK OUT COUNTER ELEVATION
1/2"=1'-0"



7 | CHECK OUT COUNTER ELEVATION
1/2"=1'-0"



4 | CHECK OUT COUNTER ELEVATION
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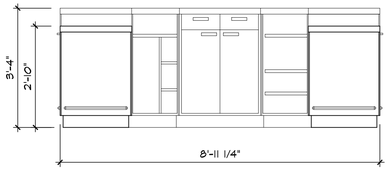
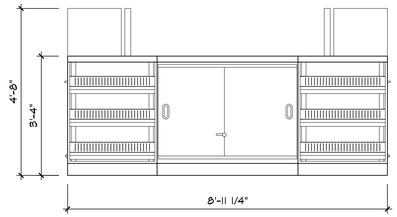
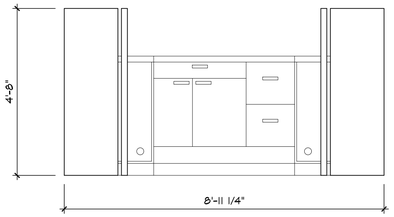


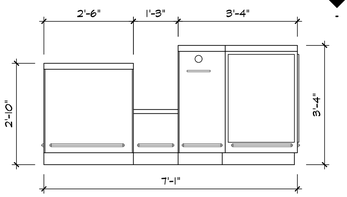
2 | CHECK OUT COUNTER ELEVATION
1/2"=1'-0"



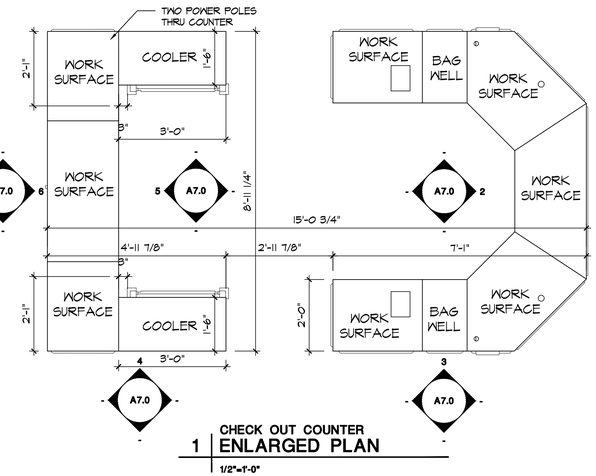
6 | CHECK OUT COUNTER ELEVATION
1/2"=1'-0"



5 | CHECK OUT COUNTER ELEVATION
1/2"=1'-0"



3 | CHECK OUT COUNTER ELEVATION
1/2"=1'-0"



1 | CHECK OUT COUNTER ENLARGED PLAN
1/2"=1'-0"

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A7.0

POS DETAILS

15001

GENERAL INFORMATION

A. GENERAL
1. CONFORM TO ALL GENERAL AND SPECIAL CONDITIONS OF CONTRACT AS SPECIFIED BY ARCHITECT, TENANT AND OWNER.
2. SPECIFICATIONS ARE APPLICABLE TO ALL CONTRACTORS AND SUBCONTRACTORS FOR MECHANICAL AND ELECTRICAL SYSTEMS
3. CONTRACTOR SHALL COMPLY WITH OWNER'S STANDARDS, FACILITY SPECIFICATIONS, RULES AND REGULATIONS. ALL OWNER'S CRITERIA SHALL BE COMPLIED WITH AND INCLUDED IN THIS BID. CHECK OTHER PLANS AND SPECIFICATIONS AND FULLY COORDINATE WITH OTHER TRADES AND ARCHITECT'S REQUIREMENTS.
4. VISIT SITE, CHECK FACILITIES AND CONDITIONS, AND VERIFY ALL UTILITY COMPANY REQUIREMENTS AND CONNECTION POINTS IN FIELD PRIOR TO STARTING WORK. TAKE ALL ITEMS INTO CONSIDERATION IN BID.
5. SYSTEMS ARE TO BE COMPLETE AND WORKABLE IN ALL RESPECTS, PLACED IN OPERATION AND PROPERLY ADJUSTED.
6. EACH CONTRACTOR SHALL PROVIDE FOR HIS OWN CLEAN-UP, REMOVAL AND LEGAL DISPOSAL OF ALL RUBBISH DAILY.
7. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, AND SEQUENCES OF CONSTRUCTION AND THE SAFETY OF WORKMEN. COMPLY WITH ALL OSHA REGULATIONS.
8. NO PIPING, DUCTWORK, CONTROLS, ETC., SHALL BE INSTALLED OR ROUTED ABOVE ELECTRICAL PANELS AND EQUIPMENT OR THROUGH ELEVATOR ROOMS OR SHAFTS.
9. THE MECHANICAL AND ELECTRICAL CONTRACTORS SHALL COORDINATE THE ELECTRICAL CHARACTERISTICS OF ALL MECHANICAL EQUIPMENT PRIOR TO ORDERING OF EQUIPMENT. NO ADDITIONAL PAYMENT WILL BE MADE FOR LACK OF CONTRACTOR COORDINATION OF ELECTRICAL CHARACTERISTICS.
10. ALL MECHANICAL AND ELECTRICAL SYSTEM COMPONENTS SHALL BE ROUTED TIGHT TO UNDERSIDE OF STRUCTURE AND THROUGH JOISTS OR TRUSSES WHERE POSSIBLE. COORDINATE INSTALLATION TO PRESERVE HEADROOM, EQUIPMENT ACCESS, AND ARCHITECTURAL CLEARANCES FOR FINISHES, INCLUDING CEILING HEIGHTS. COORDINATE WITH ALL OTHER TRADES AND DO NOT CONFLICT WITH THE ARCHITECTURAL REQUIREMENTS FOR THE FINISHED CONSTRUCTION. PROVIDE OFFSETS WHERE REQUIRED TO COORDINATE WITH OTHER TRADES.
11. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF ALL GRILLES AND DIFFUSERS.
12. OPERATION AND MAINTENANCE MANUALS:
THREE (3) BOUND SETS OF THE OPERATION AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE CONSTRUCTION REPRESENTATIVE AT TURNOVER, AND ARE REQUIRED FOR FINAL ACCEPTANCE.
13. AS BUILT DRAWINGS:
THE HVAC SUBCONTRACTOR SHALL PROGRESSIVELY RECORD ALL HVAC DRAWING CHANGES WHICH SHALL BE AVAILABLE AT ALL TIMES FOR REVIEW BY THE CONSTRUCTION REPRESENTATIVE. AN AUTOCAD COPY OF THE FINAL AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE CONSTRUCTION REPRESENTATIVE AT TURNOVER. THIS AUTOCAD AS-BUILT IS REQUIRED FOR FINAL ACCEPTANCE OF THE PROJECT.

B. CODES, STANDARDS AND REGULATIONS
1. CONFORM TO ALL APPLICABLE CODES, GOVERNMENT REGULATIONS, UTILITY COMPANY REQUIREMENTS, AND NATIONAL ELECTRICAL CODE.
2. OBTAIN PERMITS AND PAY ALL FEES. ARRANGE FOR ALL REQUIRED INSPECTIONS AND APPROVALS.

C. RELATED WORK SPECIFIED ELSEWHERE
1. OPENINGS AND CHASES, WHEN SHOWN ON ARCHITECTURAL DRAWINGS.

D. DRAWINGS
1. THE SYSTEMS AS SHOWN ON THE CONTRACT DRAWINGS ARE DIAGRAMMATIC.
2. THE INTENT IS FOR COMPLETE AND WORKABLE SYSTEMS. THE DRAWINGS AND THESE NOTES ARE TO BE USED TOGETHER AS A BASIS OF SHOWING AND/OR DESCRIBING THE SYSTEM REQUIREMENTS FOR THE FACILITY
3. VERIFY ALL DIMENSIONS AND CLEARANCES BY FIELD MEASUREMENT AND CHECK FOR INTERFERENCES PRIOR TO STARTING WORK.

E. BASE EQUIPMENT AND MATERIALS AND SUBSTITUTIONS
1. ALL EQUIPMENT AND MATERIALS SHALL BE NEW, FREE OF DEFECTS AND U.L. LABELED.
2. SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT, FIXTURES, ETC., INCLUDING ALL ACCESSORIES TO BE FURNISHED. BASE BID MANUFACTURERS AND MODELS ARE INCLUDED IN SPECIFICATIONS OR LISTED IN SCHEDULE ON DRAWING. ANY OTHER MANUFACTURER OR MODEL IS A SUBSTITUTION.
3. SUBSTITUTIONS ARE SUBJECT TO THE APPROVAL OF THE OWNER AND SHALL BE LISTED ON THE FORM OF PROPOSAL FOR THE OWNER'S CONSIDERATION PRIOR TO CONTRACT AWARD. IF SUBSTITUTION IS SUBMITTED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO EVALUATE IT AND CERTIFY THAT THE SUBSTITUTION IS EQUIVALENT IN ALL RESPECTS TO THE BASE SPECIFICATIONS.
4. IF SUBSTITUTIONS ARE APPROVED, NOTIFY ALL OTHER CONTRACTORS, SUBCONTRACTORS OR TRADES AFFECTED BY SUBSTITUTION AND FULLY COORDINATE. ANY COSTS RESULTING FROM SUBSTITUTION, WHETHER BY CONTRACTOR OR OTHERS, SHALL BE RESPONSIBILITY OF AND PAID FOR BY SUBSTITUTING CONTRACTOR.
5. ALL EQUIPMENT SHALL BE INSTALLED IN FULL ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. IT IS THIS CONTRACTOR'S RESPONSIBILITY TO CHECK AND CONFORM TO THESE REQUIREMENTS PRIOR TO STARTING WORK.

F. CHECK, TEST, START, ADJUST, BALANCE AND INSTRUCTIONS
1. AFTER INSTALLATION, CHECK ALL EQUIPMENT, AND PERFORM START UP IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
2. ALL PIPING SHALL BE TESTED AND FREE OF LEAKS.
3. BALANCE ALL SYSTEMS, CALIBRATE CONTROLS, CHECK FOR PROPER OPERATING SEQUENCE UNDER ALL CONDITIONS, AND MAKE ALL NECESSARY ADJUSTMENTS.
4. ALL WIRING SHALL BE FULLY TESTED AND MADE FREE OF GROUNDS AND SHORT CIRCUITS.
5. INSTRUCT OWNER IN OPERATION OF SYSTEMS AND SUBMIT OPERATING AND MAINTENANCE MANUAL ON ALL EQUIPMENT AND SYSTEMS.
6. PROVIDE ENGRAVED LABELS AND IDENTIFICATION TAGS FOR ALL PIPING SYSTEMS, VALVES AND EQUIPMENT.
7. PROVIDE TYPED PANEL DIRECTORIES AND ENGRAVED LABELS FOR ALL PANELS AND EQUIPMENT.

G. CUTTING, PATCHING AND DRILLING
1. ALL CUTTING AND CHASING OF THE BUILDING CONSTRUCTION REQUIRED FOR THIS WORK SHALL BE BY THIS CONTRACTOR UNLESS SHOWN ON ARCHITECTURAL DRAWINGS AND CONFIRMED AS TO SIZE AND LOCATION PRIOR TO NEW CONSTRUCTION. CUTTING SHALL BE IN A NEAT AND WORKMANLIKE MANNER.
2. NEATLY SAW CUT ALL RECTANGULAR OPENINGS, SET SLEEVE THROUGH OPENING, AND FINISH PATCH OR PROVIDE TRIM FLANGE AROUND OPENING.
3. NEATLY SAW CUT FLOORS FOR SEWER INSTALLATION AND PATCH FLOOR TO MATCH EXISTING, INCLUDING FLOOR COVERING.
4. CORE DRILL AND SLEEVE ALL ROUND OPENINGS.
5. CUT AND PATCH EXISTING BUILDING WALLS AS REQUIRED FOR DUCT INSTALLATION. PROVIDE STEEL LINTEL ABOVE OPENING WIDER THAN 10". SEE STRUCTURAL DRAWINGS FOR SIZES. PROVIDE ESCUTCHEONS OR 2" WIDE SHEET METAL FLANGES AROUND ALL EXPOSED PENETRATIONS.
6. DO NOT CUT ANY STRUCTURAL COMPONENTS WITHOUT ARCHITECT'S APPROVAL.
7. PATCH AND FINISH TO MATCH ADJACENT AREAS THAT HAVE BEEN CUT, DAMAGED OR MODIFIED TO INSTALL EQUIPMENT FOR THIS PROJECT.
8. CUTTING OF ROOF, INSTALLATION OF CURBS, AND PATCHING OF ROOF SHALL BE BY A CERTIFIED ROOFING CONTRACTOR, APPROVED BY BUILDING OWNER, AND PAID FOR BY THIS CONTRACTOR.
9. FIRE STOP ALL PENETRATIONS OF FIRE RATED CONSTRUCTION IN A CODE APPROVED MANNER, USING UL LISTED FIRE RATED MATERIALS.
10. ALL CONTRACTORS SHALL CONFIRM WITH OWNER, PRIOR TO BID, TIMES AVAILABLE FOR NOISE PRODUCING WORK SUCH AS CUTTING AND CORE DRILLING OF FLOORS, WALLS, ETC., AS WELL AS TIMES FOR WORK WHICH REQUIRE ACCESS INTO ADJOINING AREAS. INCLUDE ANY PREMIUM TIME REQUIRED IN BID.
11. EXACT LOCATION OF ROOF TOP MECHANICAL UNITS SHALL BE APPROVED BY OWNER'S STRUCTURAL ENGINEER. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPLEMENTAL SUPPORT STEEL FOR UNITS AND ROOF DUCT PENETRATIONS AFTER APPROVAL OF STRUCTURAL ENGINEER.

H. WARRANTY
1. FULLY WARRANT ALL MATERIALS, EQUIPMENT AND WORKMANSHIP FOR ONE (1) YEAR FROM DATE OF ACCEPTANCE.
2. EXTEND ALL MANUFACTURER'S WARRANTIES TO OWNER, INCLUDING FIVE (5) YEAR COMPRESSOR AND TEN (10) YEAR HEAT EXCHANGER EXTENDED WARRANTY ON HVAC EQUIPMENT.
3. REPAIR OR REPLACE WITHOUT CHARGE TO THE OWNER ALL ITEMS FOUND DEFECTIVE DURING THE WARRANTY PERIOD.

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\\hacofs03\vol2$\client\tractor supply co\18063 prototype\XTB TSC Combo City ST E.dwg
Job Path:J:\CLIENT\Tractor Supply Co\2022 Projects\00000 Operation Deep Fake\19700 1290 Gadsden AL Fusion\810 TSC Fusion Gadsden AL P1.0.dwg
Drawn By:Al Matheny

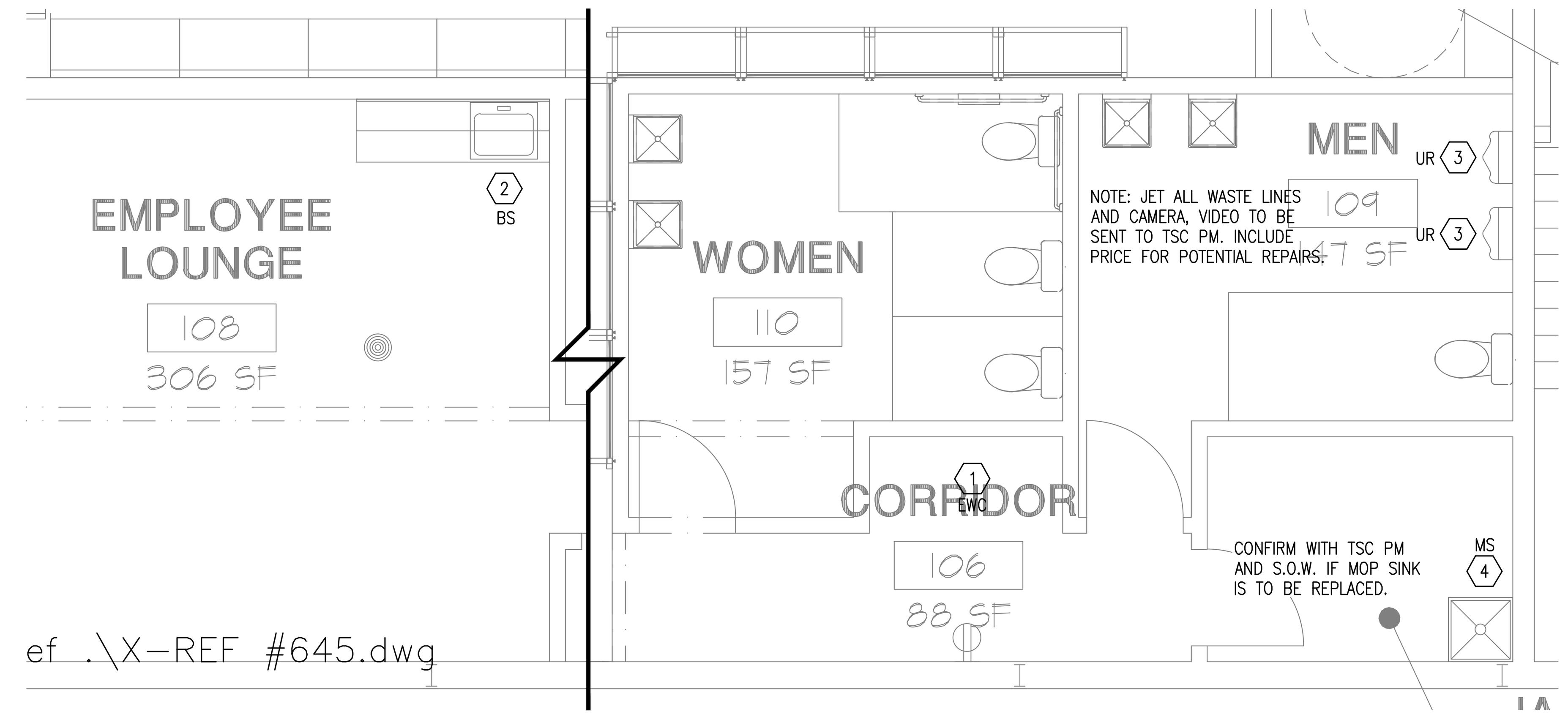
PLUMBING FIXTURE SPECIFICATIONS

MARK	DESCRIPTION ***SUBMIT SUBSTITUTIONS FOR EQUAL PRODUCTS TO T.S.C. P.M. FOR APPROVAL
BS	BREAKROOM SINK: (SINGLE BOWL, S.S., GOOSENECK): BREAKROOM SINK AND FAUCET SHALL BE FURNISHED BY TRACTOR SUPPLY COMPANY & INSTALLED BY CONTRACTOR. PROFLO MODEL PFSR2521553C 21"x15"x5.5" DEEP BOWL 20 GA. STAINLESS STEEL, SELF RIM, AND REAR DECK FAUCET (1.8 GPM) MOUNTING WITH 3 HOLES. COMPLETE WITH PROFLO MODEL PFXC1414MCPLS FAUCET WITH GOOSENECK SPOUT AND METAL LEVER HANDLE, POLISHED CHROME FINISH MCGUIRE 8892 P-TRAP, AND TWO MCGUIRE 2165-CC SUPPLIES WITH STOPS. PROVIDE A TRUEBRO INC., HANDI-LAV-GUARD INSULATION KIT MODEL 102W WITH ACCESSORY 105W. MOUNT FIXTURE WITH FLOOD RIM MAX. 34" AFF.
EWC	ELECTRIC WATER COOLER (ACCESSIBLE, MOTION SENSOR, DUAL-HEIGHT): OASIS MODEL PG8ACSLTT WITH INFRARED SENSOR CONTROLS AND WALL MOUNTING BRACKET. 8 GPH, 115/1/60. MOUNT HIGH UNIT AT 42" MAXIMUM FROM FLOOR TO SPOUT OUTLET AND LOW UNIT AT 36" MAXIMUM FROM FLOOR TO SPOUT OUTLET. PROVIDE MCGUIRE 8872 P-TRAP AND MCGUIRE 165-CC SUPPLY WITH STOP.
MS	MOP SINK: MUSTEE MODEL 63M 24"x24" FIBERGLASS MOP SERVICE BASIN. COMPLETE WITH MODEL 63.401 EXTRUDED BUMPER GUARD, CHICAGO MODEL 897-RCF CHROME PLATED SPOUT WITH VACUUM BREAKER, ¾" HOSE THREAD OUTLET, PAIL HOOK. WALL SUPPORT, INTEGRAL STOPS, MODEL 369 2½" METAL LEVER HANDLES AND 36" LENGTH OF THREADED HOSE.
UR	KOHLER - MODEL K-4991-ET - VITREOUS CHINA, WALL MOUNTED URINAL WITH TOP SPUD, 0.125 GPF. FLUSH VALVE: ZURN NO. ZTR6203-QRT SENSOR OPERATED URINAL FLUSH VALVE; BATTERY OPERATED WITH MECHANICAL OVERRIDE BUTTON. COORDINATE WITH MANUFACTURER FOR ADDITIONAL ACCESSORIES FOR PROPER INSTALLATION, INSTALL PER MANUFACTURERS REQUIREMENTS. PROVIDE COMPLETE WITH WALL CARRIER. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.

(X) KEYED NOTE SCHEDULE

1. EXISTING PLUMBING FIXTURE TO BE REPLACED PER PLUMBING FIXTURE SCHEDULE. USE EXISTING UTILITIES WITHIN WALLS AND FLOOR TO RE-CONNECT AT MODIFIED LOCATIONS. CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS OF EXISTING UTILITY CONNECTIONS BEFORE CONSTRUCTION.
2. REPLACE EXISTING BREAKROOM SINK. SINK TO BE PROVIDED BY TRACTOR SUPPLY COMPANY. RECONNECT WASTE, VENT, SINK AND WATER TO EXISTING LINES AS REQUIRED FOR A COMPLETE AND OPERABLE INSTALLATION.
3. EXISTING URINAL TO BE REUSED. ENSURE CAULK IS CLEAN/SMOOTH TRANSITION FROM URINAL WALL. IF HARDWARE WILL NOT COME CLEAN PER TSC PM, FURNISH AND INSTALL NEW HARDWARE INCLUDING ESCUTCHEON TRIM RING, VALVE, AND SUPPLY LINE. RETROFIT EXISTING FLUSHVALVE WITH ZURN MODEL ZERK-CPM MOTION SENSOR.
4. REMOVE EXISTING AND REPLACE WITH NEW IN EXISTING LOCATION.

1



ENLARGED
PLUMBING PLAN
SCALE: 1/4" = 1'-0"

1

PLUMBING GENERAL NOTES:

A. PLUMBING CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS AND SIZES OF ALL UTILITIES, INCLUDING THE DEPTHS OF ALL BELOW GRADE SANITARY SEWERS, PRIOR TO START OF WORK. THIS DRAWING IS NOT INTENDED TO INDICATE ALL EXISTING UTILITIES.

B. CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING BID AND FIELD VERIFY EXISTING CONDITIONS TO ENSURE THAT THE WORK REPRESENTED ON THE DRAWINGS AND IN THESE SPECIFICATIONS CAN BE INSTALLED AS INDICATED. CONTRACTOR SHALL TAKE ALL INTERFERENCES INTO CONSIDERATION. IDENTIFY POTENTIAL INTERFERENCES WITH NEW WORK AND REPORT TO ARCHITECT IMMEDIATELY. PROVIDE ALL NECESSARY OFFSETS TO SUIT FIELD CONDITIONS AS REQUIRED.

C. CONTRACTOR SHALL VERIFY AND COORDINATE ALL UTILITY CONNECTION POINTS, INCLUDING SIZES AND INVERTS WITH EXISTING FIELD CONDITION PRIOR TO START OF WORK.

D. MAKE ALL UTILITY CONNECTIONS AND INSTALLATIONS IN FULL ACCORDANCE WITH ALL UTILITY REGULATIONS. PROVIDE ALL ADDITIONAL APPURTENANCES AS REQUIRED BY UTILITY COMPANY. THE COMPLETED INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE INDUSTRY STANDARDS OF GOOD PRACTICE AND SAFETY, AND THE MANUFACTURER'S STRICTEST RECOMMENDATIONS FOR EQUIPMENT AND PRODUCT APPLICATION AND INSTALLATION.

E. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS RELATED TO THE INSTALLATION OF THE WORK.

F. ALL WORK SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, LAWS, ACTS AND ALL AUTHORITIES HAVING JURISDICTION AND LANDLORD'S CRITERIA.

G. MAINTAIN ALL MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES FOR ALL FIXTURES AND EQUIPMENT. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF PLUMBING FIXTURES.

H. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE CONTRACT DOCUMENTS BEFORE COMMENCING ANY WORK.

I. SLEEVE AND SEAL ALL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTUMESCENT FIRE SAFING COMPOUND AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS, MAINTAINING INTEGRITY AND RATING OF FIRE SEPARATION. SLEEVES THROUGH FLOORS SHALL EXTEND 2" ABOVE FLOOR, BE GROUTED INTO PLACE AND WATERPROOFED. PIPING THROUGH EXTERIOR WALLS SHALL BE SLEEVED AND SEALED WEATHER TIGHT WITH SILICONE CAULK.

J. ALL DOMESTIC COLD AND HOT WATER PIPING TO BE INSULATED WITH RIGID FIBERGLASS INSULATION WITH TYPE 'ASJ' JACKET. DOMESTIC COLD AND HOT WATER PIPES TO HAVE 1/2" THICK INSULATION.

K. PVC PIPING IS NOT ALLOWED TO BE INSTALLED ABOVE GRADE UNLESS PERMITTED BY CODE AND IS NOT ALLOWED TO BE INSTALLED IN RETURN AIR PLENUMS.

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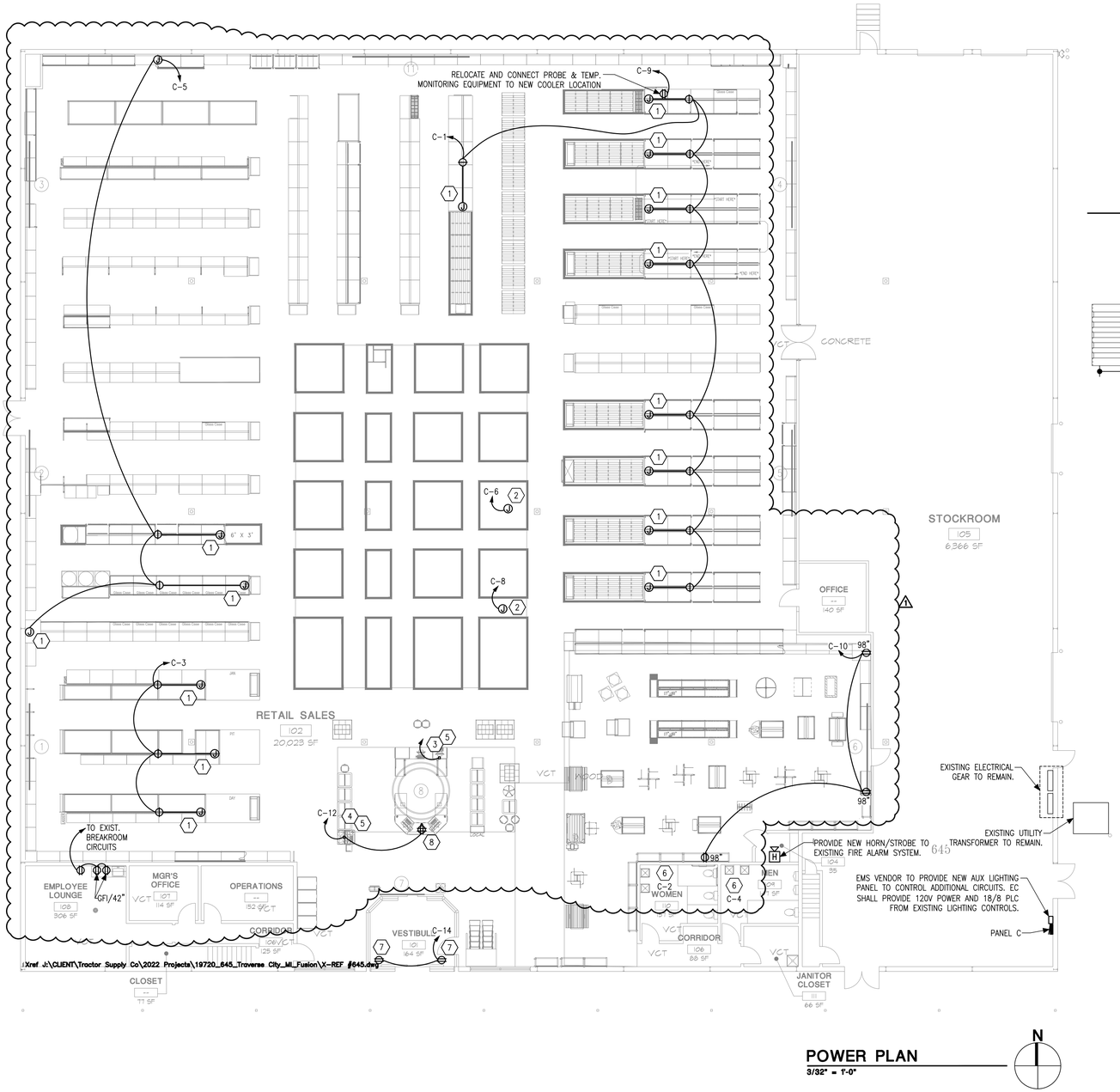
FUSION PROJECT
STORE #645
825 US 31 SOUTH
TRAVERSE CITY, MI 49685

Project No.:	19720
Drawn By:	DAM

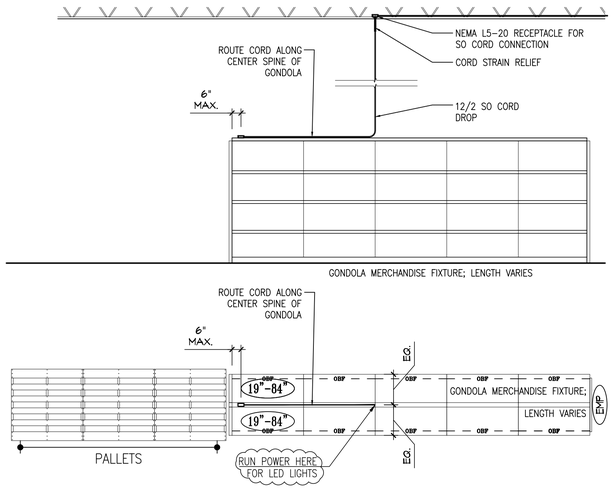
Date	Issue
1-7-22	PERMIT
1-21-22	1 REVISION 1

P1.0

PLUMBING PLAN



POWER PLAN
3/32" = 1'-0"



LIGHT BOX
1 | ELECTRICAL DROP DETAIL
N.T.S.

KEYED NOTE SCHEDULE

1. PROVIDE ELECTRICAL DROP FOR LED LIGHTING IN FIXTURE. COORDINATE EXACT LOCATION AND REQUIREMENTS W/ TSC PROJECT MANAGER AND FINAL FIXTURE PLAN. REFER TO DETAIL 1, LIGHT BOX ELECTRICAL DROP DETAIL. ROUTE CIRCUIT THROUGH LIGHTING CONTACT/RELAY CABINET TO BE CONTROLLED WITH SALES FLOOR LIGHTING.
2. "CHICK DAYS" POWER LOCATION. INSTALL OUTLET TO BOTTOM OF JOIST, VERIFY EXACT LOCATION W/ TSC FINAL FIXTURE PLAN. PROVIDE POWER REEL CONNECTED TO OUTLET, HUBBELL #HBLC40123TT.
3. REWORK EXISTING CASHWRAP POWER AND DATA DROPS AND CUSTOMER SERVICE POWER AND DATA DROPS TO NEW FUSION CASHWRAP. SPLICE AND EXTEND EXISTING CIRCUITS AS REQUIRED. PROVIDE NEW POWER POLE. COORDINATE EXACT LOCATION AND REQUIREMENTS W/ TSC PROJECT MANAGER AND FINAL FIXTURE PLAN. GC SHALL PLACE ORDER FOR THE POWER POLES WITH VILLA LIGHTING (ANNE VOELKER – ANNE.VOELKER@VILLALIGHTING.COM, 314-633-0554). TSC WILL PURCHASE THE POWER POLES BASED ON GC'S ORDER.
4. ROUTE TWO CAT6 CABLES FROM SELF CHECKOUT TO THE IT RACK. PROVIDE 20' OF CABLE AT BOTH ENDS COILED AT CEILING W/ LABELS.
5. FURNISH AND INSTALL POWER POLES FROM SALES COUNTERTOPS TO CEILING STRUCTURE. RELOC #PP2-L183-HW-B-BLACK. REFER TO OFFICIAL TSC FIXTURE PLAN LAYOUT FOR EXACT LOCATIONS. ATTACH POWER POLE TOP TO UNI-STRUT AT BAR JOIST W/ A U CLAMP TO THE TOP OF THE POWER POLE AT THE BAR JOIST. LOOSEN THE U BOLT USED TO TIGHTEN THE CONNECTION TO THE POWER POLE SO THAT THE POWRE POLE IS ABLE TO REMAIN IN POSITION AND THE ROOF CAN FLEX DURING EXPANSION AND CONTRACTION W/OUT DAMAGING THE POWER POLE.
6. PROVIDE NEW JUNCTION BOX FOR HAND DRYER, COORDINATE MOUNTING HEIGHT AND EXACT LOCATION W/ ARCHITECT.
7. RECEPTACLE FOR "STORE OPEN" AND "CUT CADET" SIGN, MOUNTED IN CEILING WITHIN 6" OF VERTICAL STOREFRONT GLASS. ROUTE CIRCUIT THROUGH LIGHTING CONTACT/RELAY CABINET TO BE CONTROLLED WITH SALES FLOOR LIGHTING.
8. PROVIDE POWER FOR SUSPENDED TV LOCATED ABOVE CASHWRAP, COORDINATE LOCATION W/ LOW VOLTAGE VENDOR.

PANEL: C					MAIN: MAIN LUGS ONLY			VOLTAGE: 120/208			
					PHASE: 3	WIRE: 4	BUS AMPS: 225	AIC: 65K			
MOUNTING: SURFACE		LOCATION: STOCKROOM 105			FEED THRU LUGS: NO			ISOLATED GROUND BUS: NO			

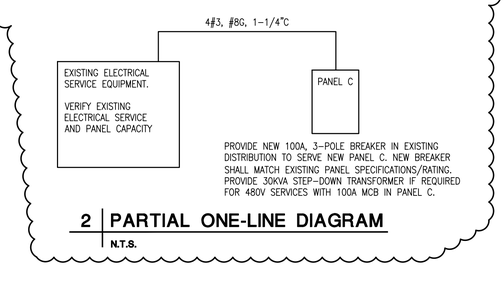
CKT	NOTE	BKR	LOAD DESCRIPTION	KVA	Aø	Bø	Cø	KVA	LOAD DESCRIPTION	BKR	NOTE	CKT
1	LZ1B	20/1	FIXTURE LIGHTING	1.2	2.2			1.0	HAND DRYER	20/1		2
3	LZ1B	20/1	FIXTURE LIGHTING	1.0		2.0		1.0	HAND DRYER	20/1		4
5	LZ1B	20/1	FIXTURE LIGHTING	1.0			2.0	1.0	CHICK DAYS POWER REEL	20/1		6
7		20/1	SPARE	0.0	1.0			1.0	CHICK DAYS POWER REEL	20/1		8
9		20/1	SALES FLOOR AH COOLER	0.8		1.4		0.6	FIXTURE RECEPTACLES	20/1		10
11		20/1	SPARE	0.0			0.9	0.9	SELF CHECKOUT	20/1		12
13		20/1	SPARE	0.0	0.4			0.4	VESTIBULE SIGNS	20/1	LZ3	14
15		20/1	SPARE	0.0		0.0		0.0	SPARE	20/1		16
17		20/1	SPARE	0.0			0.0	0.0	SPARE	20/1		18
19		20/1	SPARE	0.0	0.0			0.0	SPARE	20/1		20
21		20/1	SPARE	0.0		0.0		0.0	SPARE	20/1		22
23		20/1	SPARE	0.0			0.0	0.0	SPARE	20/1		24
25		20/1	SPARE	0.0	0.0			0.0	SPARE	20/1		26
27		20/1	SPARE	0.0		0.0			SPACE			28
29			SPACE						SPACE			30
31			SPACE						SPACE			32
33			SPACE						SPACE			34
35			SPACE						SPACE			36
37			SPACE						SPACE			38
39			SPACE						SPACE			40
41			SPACE						SPACE			42
					TOTAL KVA PER PHASE:							
					3.6	3.4	2.9					
					TOTAL KVA:	9.9						
					TOTAL AMPS:	27.5						

NOTES:
L HANDLE LOCK
GFI GROUND FAULT INTERRUPTING
AFI ARC FAULT INTERRUPTING
CD CONTINUOUS DUTY
H HACR RATED

NOTES:
LZ1A ROUT THRU RELAY ZONE #1A (EMPLOYEE)
LZ1B ROUT THRU RELAY ZONE #2B (CUSTOMER)
LZ3 ROUT THRU RELAY ZONE #3 (EXTERIOR)

NOTES:

EC IS TO VERIFY IF THERE ARE ADEQUATE SPARES/SPACES AVAILABLE WITHIN THE EXISTING PANELS FOR THE NEW CIRCUITS REQUIRED. EC SHALL PROVIDE THE SUB-PANEL ONLY IF NECESSARY.



2 | PARTIAL ONE-LINE DIAGRAM
N.T.S.

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TSC TRACTOR SUPPLY CO.

FUSION PROJECT
STORE #645
825 US 31 SOUTH
TRAVERSE CITY, MI 49685

Project No:	19720
Drawn By:	JDJ
Date	Issue
1-7-22	PERMIT
1-21-22	1 REVISION 1

E1.0

POWER PLAN

\X-REF #645.dwg
J:\CLIENT\Tractor Supply Co\2022 Projects\00000 Operation Deep Fake\19720 645 Traverse City, MI Fusion\XTB_TSC_Fusion Traverse City, MI #645.dwg
J:\CLIENT\Tractor Supply Co\2022 Projects\00000 Operation Deep Fake\19720 645 Traverse City, MI Fusion\X-REF #645.dwg
Job Path:J:\CLIENT\Tractor Supply Co\2022 Projects\00000 Operation Deep Fake\19720 645 Traverse City MI Fusion\922 TSC Fusion Traverse City MI #2.0.dwg
Drawn By:Jake Dykstra

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	MTG. HGT. (U.N.O.)
$	LIGHT SWITCH	48"
$OS	WALL MOUNTED OCCUPANCY SENSOR	48"
(OS)	CEILING MOUNTED OCCUPANCY SENSOR	
Φ / Φ / ⊕	SINGLE / DUPLEX / DOUBLE DUPLEX RECEPTACLE	18"
ΦGFI / ΦGFI / ⊕GFI	RECEPTACLE WITH GROUND FAULT PROTECTION	18"
ΦWP / ΦWP / ⊕WP	WEATHER RESISTANT RECEPTACLE WITH WEATHERPROOF IN–USE COVER	18"
ΦWR / ΦWR / ⊕WR	WEATHER RESISTANT RECEPTACLE	18"
(J)	JUNCTION BOX	
(T)	THERMOSTAT LOCATION, PROVIDE BOX WITH 1/2" CONDUIT TO CEILING SPACE	60"
▼	TELEPHONE JACK, PROVIDE BOX WITH 1/2" CONDUIT TO CEILING SPACE	18"
▽	DATA JACK, PROVIDE BOX WITH 3/4" CONDUIT TO CEILING SPACE	18"
▣	BUTTON	48"
[B]	BELL/BUZZER	
	PANELBOARD	
	MOTOR	
	NON–FUSED DISCONNECT	
[H]	HORN/STROBE	
[SD]	DUCT SMOKE DETECTOR	

ELECTRICAL SPECIFICATIONS

SECTION 16010 – ELECTRICAL GENERAL PROVISIONS

1. THE PROVISIONS OF THE INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS, ALTERNATES, ADDENDAS AND DIVISION 1 ARE A PART OF THIS SPECIFICATION. ELECTRICAL, ARCHITECTURAL, MECHANICAL AND ALL OTHER DRAWINGS AS WELL AS THE SPECIFICATIONS FOR ALL THE DIVISIONS ARE A PART OF THE CONTRACT DOCUMENTS.

2. VISIT THE SITE OF THE WORK AND BECOME FAMILIAR WITH THE CONDITIONS AFFECTING THE INSTALLATION. SUBMISSION OF A PROPOSAL SHALL PRESUPPOSE KNOWLEDGE OF SUCH CONDITIONS AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED WHERE EXTRA LABOR OR MATERIALS ARE REQUIRED BECAUSE OF IGNORANCE OF THESE CONDITIONS.

3. DEFINITIONS:

   A. THE TERM "FURNISH" SHALL MEAN TO SUPPLY AND DELIVERY TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS.

   B. THE TERM "INSTALL" SHALL MEAN WORK WHICH INCLUDES THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS.

   C. THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.

4. INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, SERVICES AND PERMITS NECESSARY FOR THE PROPER COMPLETION OF ALL ELECTRICAL WORK SHOWN. ITEMS OMITTED, BUT NECESSARY, TO MAKE THE ELECTRICAL SYSTEM COMPLETE AND WORKABLE SHALL BE UNDERSTOOD TO FORM PART OF THE WORK.

5. IT IS THE PURPOSE OF THE ELECTRICAL DRAWINGS TO INDICATE THE APPROXIMATE LOCATION OF ALL EQUIPMENT, OUTLETS, ETC. ASCERTAIN EXACT LOCATIONS AND ARRANGE WORK ACCORDINGLY. THE RIGHT IS RESERVED TO EFFECT REASONABLE CHANGES IN THE LOCATION OF OUTLETS UP TO THE TIME OF ROUGHING–IN, WITHOUT ADDITIONAL COST TO THE OWNER.

6. TEMPERATURE AND INTERLOCK CONTROLS ARE PROVIDED AND WIRED BY A CONTROLS CONTRACTOR. LINE (120 VOLT) VOLTAGE CONTROL DEVICES, SUCH AS THERMOSTATS AND AQUASTATS, WHICH CONTROL FRACTIONAL HORSEPOWER, 120 VOLT MOTORS ARE FURNISHED BY MECHANICAL CONTRACTOR, AND ARE WIRED BY ELECTRICAL CONTRACTOR.

7. SECURE AND PAY FOR PERMITS AND INSPECTIONS REQUIRED FOR THE ELECTRICAL WORK.

8. WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF LOCAL AND STATE CODES, AS WELL AS THE LATEST ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, AS INTERPRETED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

9. CONSULT THE DRAWINGS, PRODUCT DATA AND SHOP DRAWINGS COVERING THE WORK FOR VARIOUS OTHER TRADES, THE FIELD LAYOUTS OF THE CONTRACTORS FOR THE TRADE AND MAKE ADJUSTMENTS ACCORDINGLY IN LAYING OUT THE ELECTRICAL WORK.

10. WARRANT THAT EQUIPMENT AND ALL WORK IS INSTALLED IN ACCORDANCE WITH GOOD ENGINEERING PRACTICE AND THAT ALL EQUIPMENT WILL MEET THE REQUIREMENTS SPECIFIED. GUARANTEE AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS; REPAIR OR REPLACE ANY DEFECTIVE WORK, MATERIAL OR EQUIPMENT WITHIN ONE YEAR FROM DATE OF ACCEPTANCE.

11. THE EXISTING ELECTRICAL AND TELEPHONE SERVICE, AND ALL EXISTING COMMUNICATION SYSTEMS WITHIN THE BUILDING SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. ANY SERVICE SHUTDOWNS THAT MAY BE REQUIRED SHALL BE SCHEDULED THROUGH THE OWNER AND SHALL BE DONE AT A TIME AS DIRECTED BY THE OWNER. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THESE SHUTDOWN PERIODS EVEN THOUGH PREMIUM–TIME WORK MAY BE REQUIRED. PROVIDE TEMPORARY SERVICE TO EQUIPMENT OR SYSTEMS THAT CANNOT BE SHUTDOWN, AS DETERMINED BY OWNER.

12. PROVIDE A MINIMUM OF ONE WEEK'S NOTICE TO THE OWNER BEFORE ANY SERVICE SHUTDOWN IS SCHEDULED.

13. BIDS SHALL BE BASED UPON THE SPECIFIED PRODUCTS OR LISTED ALTERNATIVES. THE DRAWINGS AND SPECIFICATIONS ARE BASED ON THE PRODUCTS SPECIFIED BY TYPE, MODEL AND SIZE AND THUS ESTABLISH MINIMUM QUALITIES WHICH SUBSTITUTES MUST MEET TO QUALIFY FOR REVIEW. WHERE ONLY ONE MAKE IS NAMED, IT SHALL BE PROVIDED. VERBAL REQUESTS OR APPROVALS SHALL NOT BE BINDING ON THE ARCHITECT, ENGINEER OR OWNER. SHOULD THE CONTRACTOR PROPOSE TO FURNISH MATERIALS AND EQUIPMENT OTHER THAN THOSE SPECIFIED, HE SHALL SUBMIT A WRITTEN REQUEST FOR SUBSTITUTIONS TO THE ARCHITECT AT THE BID OPENING. INDICATE ANY ADDITIONS OR DEDUCTIONS TO THE CONTRACT PRICE ON THE BID FORM.

14. EQUIPMENT AND MATERIALS USED ON THIS PROJECT SHALL BE NEW AND U.L. LABELED FOR THE APPLICATION.

15. KEEP ONE COMPLETE SET OF THE CONTRACT WORKING DRAWINGS ON THE PROJECT SITE ON WHICH HE SHALL RECORD ANY DEVIATIONS OR CHANGES FROM SUCH CONTRACT DRAWINGS MADE DURING CONSTRUCTION. AFTER THE PROJECT IS COMPLETED, RECORD SETS OF DRAWINGS SHALL BE DELIVERED TO THE ARCHITECT IN GOOD CONDITION, AS A PERMANENT RECORD OF THE INSTALLATION AS CONSTRUCTED.

16. PROVIDE NAMEPLATES ON PANELBOARDS, DISTRIBUTION EQUIPMENT, SAFETY SWITCHES, MOTOR STARTERS, JUNCTION BOXES, AND CONTROL DEVICES. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, LETTERING SHALL INCLUDE THE NAME OR DESIGNATION OF EQUIPMENT, HORSEPOWER, VOLTAGE RATING AND SERVICE DESIGNATION. NAMEPLATES SHALL BE LAMINATED PHENOLIC WITH A BLACK SURFACE AND WHITE CORE. IDENTIFICATION WITH A DYMO TYPE INSTRUMENT IS NOT PERMISSIBLE. THE INSIDE COVER OF ALL RECEPTACLE OUTLET PLATES SHALL BE PERMANENTLY MARKED TO INDICATE THE PANEL AND CIRCUIT NUMBER OF THE OUTLET. THE INSIDE COVER OF ALL BLANK PLATES FOR JUNCTION BOXES INSTALLED SHALL BE PERMANENTLY MARKED TO INDICATE THE SYSTEM.

17. AFTER INSTALLATION, TEST FOR GROUNDS, SHORT CIRCUITS AND PROPER FUNCTION OF EACH SYSTEM AND RELATED WIRING. FAULTS IN THE INSTALLATION SHALL BE CORRECTED.

18. INSULATION RESISTANCE TESTS SHALL BE MADE ON THE ELECTRICAL SYSTEM WITH AN APPROVED MEGOHMMETER.

19. A GROUND CONTINUITY TEST SHALL BE MADE ON THE ENTIRE GROUNDING SYSTEM FROM THE SERVICE TO EVERY OUTLET.

20. AFTER ALL TESTS AND ADJUSTMENTS HAVE BEEN COMPLETED, CLEAN ALL EQUIPMENT LEAVING EVERYTHING IN WORKING ORDER AT THE COMPLETION OF THIS WORK. CLEAN LIGHTING FIXTURES, OUTLET BOX PLATES, PANEL AND CABINET INTERIORS AND EXTERIORS, ETC., OF DIRT, DUST , DEBRIS AND PAINT, AFTER ALL OTHER TRADES HAVE COMPLETED THEIR WORK.

21. PROVIDE A TEMPORARY ELECTRICAL SERVICE ADEQUATE IN SIZE FOR HEATING, FOR THE USE OF ALL TRADES AND FOR THE LIGHTING OF EACH ROOM DURING CONSTRUCTION. TEMPORARY WIRING SHALL BE TO OSHA REQUIREMENTS. TEMPORARY SERVICE CAN BE EXTENDED FROM THE OWNER'S EXISTING POWER DISTRIBUTION SYSTEM. THE OWNER MUST APPROVE OF THE POINT OF SUPPLY, THE METHOD OF EXTENSION AND THE ROUTING OF NECESSARY TEMPORARY FEEDERS. PROVIDE A TEMPORARY TELEPHONE SERVICE FOR THE USE OF ALL TRADES DURING CONSTRUCTION.

22. DO ALL CUTTING AND PATCHING IN EXISTING CONSTRUCTION AS NECESSARY FOR INSTALLATION OF THIS WORK. HAVE CUTTING DONE BY SKILLED MECHANICS AS CAREFULLY AS POSSIBLE AND WITH AS LITTLE DAMAGE AS POSSIBLE.

23. DETERMINE IF ANY STRUCTURAL ELEMENTS SUCH AS REBAR OR POST TENSION CABLES EXIST IN FLOORS, WALLS OR ROOFS BY INSPECTION COORDINATED WITH THE LANDLORDS TENANT COORDINATOR OR STRUCTURAL ENGINEER AND BY USE OF X–RAY WHEN REQUIRED PRIOR TO ANY CUTTING OR CORE DRILLING. IF SUCH ELEMENTS EXIST, REPORT THIS IMMEDIATELY TO THE ARCHITECT AND LANDLORD'S TENANT COORDINATOR FOR RESOLUTION PRIOR TO CUTTING OR DRILLING.

24. OPERATION PRIOR TO COMPLETION:
WHEN ANY MECHANICAL OR ELECTRICAL EQUIPMENT IS OPERATED DURING CONSTRUCTION THE WARRANTY PERIOD SHALL NOT COMMENCE UNTIL THE EQUIPMENT IS OPERATED BY THE OWNER. PROPERLY CLEAN AND ADJUST THE EQUIPMENT AND COMPLETE ALL PUNCH LIST ITEMS BEFORE FINAL ACCEPTANCE BY THE OWNER. THE DATE OF ACCEPTANCE AND THE START OF THE WARRANTY MAY NOT BE THE SAME DATE. ALL INCANDESCENT LAMPS OPERATED FOR MORE THAN 50 HOURS DURING CONSTRUCTION SHALL BE REPLACED WITH NEW LAMPS PRIOR TO OWNER ACCEPTANCE.

25. FIRE AND SMOKE INTEGRITY:
SEAL BUILDING OPENINGS THROUGHOUT, CAUSED BY INSTALLATION OF ALL TYPES OF ELECTRICAL EQUIPMENT(CONDUIT, CABLE/WIRE, PANELS ETC.) WHERE OPENINGS ARE IN FLOORS OR FIRE RATED WALLS CONFIGURE THE PENETRATION IN CONFORMANCE WITH UL LISTED CRITERIA. INSURE FIRE AND SMOKE BARRIER INTEGRITY THROUGHOUT. WHERE INTUMESCENT SEALER/CAULKING IS REQUIRED USE MATERIALS OF 3M OR DOW CORNING.

26. BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

SECTION 16050 – BASIC MATERIALS AND METHODS

1. ALL BOXES SHALL BE RIGIDLY SUPPORTED FROM THE BUILDING STRUCTURE INDEPENDENT OF THE CONDUIT SYSTEM. ALL BOXES SHALL BE 4" SQUARE BOXES MINIMUM WITH RAISED COVERS SUITABLE FOR THE WALL MATERIAL.

2. CONDUITS SHALL BE:

   A. RIGID OR INTERMEDIATE GRADE GALVANIZED STEEL CONDUIT IN WET LOCATIONS, CONCRETE, EXTERIOR MASONRY WALLS AND EXPOSED LOCATIONS SUBJECT TO DAMAGE.

   B. GALVANIZED STEEL ELECTRICAL METALLIC TUBING IN DRY LOCATIONS, INTERIOR PARTITIONS AND CEILING SPACE.

   C. FLEXIBLE METAL CONDUIT FOR FINAL CONNECTIONS TO TRANSFORMERS, MOTORS AND EQUIPMENT.
   LIQUID–TIGHT FLEXIBLE METAL CONDUIT IN WET AND DAMP LOCATIONS.

   D. FLEXIBLE METALLIC TUBING FROM OUTLET BOX TO RECESSED LIGHT FIXTURES IN SUSPENDED CEILINGS, SIX FOOT MAXIMUM LENGTH.

   E. SCHEDULE 40 PVC RIGID NON–METALLIC CONDUIT BURIED BELOW GROUND FLOOR SLAB AND FOR EXTERIOR UNDERGROUND.

   F. CONDUIT CONNECTIONS TO UNDERCABINET TYPE LIGHTING FIXTURES SHALL BE 3/8" FLEXIBLE METAL CONDUIT OR MC TYPE CABLE FROM THE WALL OUTLET BOX TO THE FIXTURE HOUSING.

   G. RACEWAYS SHALL BE SIZED IN ACCORDANCE WITH N.E.C. WIRING TABLES OR AS NOTED ON DRAWINGS, WHICHEVER IS LARGER. MINIMUM CONDUIT SIZE SHALL BE ONE–HALF INCH.

   H. CONDUIT FITTINGS FOR RIGID CONDUIT SHALL BE THREADED CAST FERROUS ALLOY WITH GASKETS AND COVERS WHERE REQUIRED. CONDUIT FITTINGS FOR EMT TO BE SET SCREW TYPE. LOCKNUTS SHALL BE OF THE BONDING TYPE WHICH BITE INTO THE METAL OF THE BOX. BUSHINGS SHALL BE OF THE INSULATING TYPE.

   I. METAL CONDUITS SHALL BE COUPLED AND SECURED TO ALL BOXES IN A MANNER THAT PROVIDES AN ELECTRICALLY CONTINUOUS GROUND PATH FROM POINT OF SERVICE TO ALL OUTLETS.

   J. RIGID CONDUITS SHALL BE TERMINATED IN SHEET STEEL WITH DOUBLE LOCKNUTS AND AN INSULATING BUSHING. EMPTY CONDUITS STUBBED SHALL BE THREADED AND CAPPED.

   K. NYLON PULL LINE SHALL BE INSTALLED IN ALL EMPTY CONDUITS.

   L. CONDUIT ROUTING INDICATED ON THE DRAWINGS IS DIAGRAMMATIC ONLY AND IS NOT NECESSARILY THE INTENDED ACTUAL CONDUIT RUN. CONTRACTOR SHALL CHECK AND BE RESPONSIBLE FOR THE ACTUAL INSTALLATION WITH REGARD TO AVAILABLE SPACE AND SHALL COOPERATE WITH OTHER TRADES.

   M. ALL CONDUITS SHALL BE SIZED AND INSTALLED SO THAT THE REQUIRED NUMBER OF CONDUCTORS MAY BE PULLED IN WITHOUT INJURY OR STRAIN.

   N. CONDUIT RUNS SHALL BE LOCATED TO AVOID EQUIPMENT AND ACCESS TO EQUIPMENT OF OTHER TRADES.

   O. CONDUITS SHALL BE CONTINUOUS AND SECURED TO ALL BOXES IN SUCH A MANNER THAT EACH CONDUIT SYSTEM SHALL BE ELECTRICALLY CONTINUOUS FROM THE POINT OF SERVICE TO ALL OUTLET BOXES. RUN CONDUITS CONCEALED UNLESS OTHERWISE INDICATED. WHERE IT IS NOT POSSIBLE TO INSTALL CONCEALED CONDUIT, PERMISSION MUST BE OBTAINED FROM THE ARCHITECT TO RUN SURFACE WIREMOLD OR CONDUIT. THE ROUTING AND ELEVATION OF SUCH SURFACE MOUNTED RACEWAYS MUST BE COORDINATED WITH THE ARCHITECT BEFORE INSTALLATION. EXPOSED RACEWAYS SHALL BE RUN PARALLEL TO OR AT RIGHT ANGLES TO STRUCTURAL MEMBERS AND SHALL BE PAINTED TO MATCH ADJACENT FINISHES.

   P. CONDUIT SUPPORTS SHALL BE ATTACHED TO BUILDING STRUCTURAL MEMBERS ONLY, AND NOT TO ANY BUILDING SUB–SYSTEMS SUCH AS SUSPENDED CEILINGS, MECHANICAL DUCTS OR PIPES.

   Q. ENDS OF EACH CONDUIT SHALL BE CAPPED WITH AN APPROVED CAP OR DISC TO PREVENT THE ENTRANCE OF FOREIGN MATERIALS DURING CONSTRUCTION.

   R. CONDUITS THAT PASS THROUGH FIRE OR SMOKE–RATED WALLS, CEILINGS, OR DECKS SHALL BE INSTALLED SO AS TO MAINTAIN THE FIRE OR SMOKE RATING.

   S. EXPANSION FITTINGS SHALL BE INSTALLED AT ALL POINTS WHERE CONDUITS CROSS BUILDING EXPANSION JOINTS.

   T. CONDUIT ENTRIES INTO BUILDING SHALL BE MADE WATERTIGHT. ALL UNDERGROUND JOINTS SHALL BE SEALED.

   U. EXTERIOR UNDERGROUND CONDUITS SHALL BE INSTALLED 36 INCHES MINIMUM BELOW FINISHED GRADE.

3. BUSHINGS, LOCKNUTS AND CONNECTORS:

   A. WHERE RIGID OR INTERMEDIATE METAL CONDUIT ENTERS A BOX, SECURE THE CONDUIT TO THE BOX WITH A LOCKNUT ON THE OUTSIDE AND INSIDE. PROVIDE BUSHINGS FOR CONDUIT TERMINALS AT BOXES. FOR CONDUCTORS THRU #8 AWG BUSHINGS SHALL BE GALVANIZED, NON–INSULATING TYPE, AND FOR CONDUCTORS LARGER THAN #8 AWG BUSHINGS ARE TO BE INSULATING TYPE. IF THE CONDUIT FITTING PROVIDES EQUIVALENT PROTECTION OF THE CONDUCTORS, THE BUSHING MAY BE ELIMINATED.

4. FEEDER AND BRANCH CIRCUIT CONDUCTORS:

   A. FEEDER AND BRANCH CIRCUIT CONDUCTORS SHALL BE U.L. LABELED, 98%%% CONDUCTIVITY
   COPPER–STAMPED AT 2 FT. INTERVALS WITH CONDUCTOR SIZE AND INSULATION TYPE.

   B. FEEDER CIRCUIT CONDUCTORS SHALL BE TYPE "XHHW–2" OR "THHN," 600 VOLT, STRANDED COPPER, 90 DEGREE C RATED.

   C. BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE "THWN/THHN–2," 600 VOLT, 90°C COPPER. WIRE SIZES #8 AWG AND LARGER SHALL BE STRANDED. OR BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE 'MC' THHN–2, 600 VOLT 90 DEGREE C COPPER WITH INSULATED GREEN GROUND WIRE ENCLOSED IN AN ALUMINUM OR GALVANIZED STEEL ARMOR 'CONDUIT' THAT IS APPROVED FOR EXPOSED OR CONCEALED APPLICATIONS.

   D. MINIMUM WIRE SIZE SHALL BE #12 AWG OR LARGER AS REQUIRED TO LIMIT VOLTAGE DROP AT FURTHEST OUTLET TO 3%.

5. WIRE AND CABLE INSTALLATION:

   A. PULL WIRE AND CABLES INTO CONDUIT USING IDEAL INDUSTRIES "YELLOW 190", OR EQUIVALENT.

   B. COLOR CODE WIRE AND CABLE FOR CIRCUITS AS CALLED FOR IN THE NATIONAL ELECTRICAL CODE. COLOR CODING OF FEEDERS SHALL BE BY MEANS OF COLORED TAPE AT TERMINALS.

   C. INDIVIDUAL BRANCH CIRCUITS ARE SHOWN ON THE DRAWINGS FOR CLARITY. LIGHTING AND RECEPTACLE CIRCUITS MAY BE GROUPED FOR HOMERUNS, SO LONG AS CONDUCTOR AMPACITIES ARE DERATED PER NEC REQUIRMENTS. NEUTRAL CONDUCTORS IN RECEPTACLE CIRCUITS SERVING DATA EQUIPMENT LOADS SHALL NOT BE SHARED.

   D. WIRING FROM LEGALLY REQUIRED EMERGENCY AND STANDBY POWER GENERATION SOURCES SHALL BE KEPT INDEPENDENT OF EACH OTHER AND INDEPENDENT OF ALL OTHER BRANCH CIRCUIT WIRING, AND SHALL NOT ENTER THE SAME RACEWAY, CABLE, BOX, OR CABINET WITH OTHER WIRING, UNLESS SPECIFICALLY ALLOWED BY THE NATIONAL ELECTRICAL CODE.

6. WIRING DEVICES:

   A. LOCAL LIGHT SWITCHES SHALL BE 20 AMPERE, 120/277 VOLTS, AC SPECIFICATION GRADE, WITH GROUNDING TERMINAL, AS MANUFACTURED BY HUBBELL, OR EQUIVALENT, #CS–122 SERIES.

   B. DUPLEX RECEPTACLES SHALL BE 20A, 125V, 2 POLE, 3 WIRE GROUNDING. GENERAL PURPOSE
   "SPECIFICATION GRADE" DUPLEX RECEPTACLES: HUBBELL #CR5352. ISOLATED GROUND DUPLEX RECEPTACLES: HUBBELL #CR5352 IG – ORANGE. HOSPITAL GRADE DUPLEX RECEPTACLES: HUBBELL #8300H. TAMPER RESISTANT "SAFETY TYPE" DUPLEX RECEPTACLES: HUBBELL #HBL8300SG.

   C. DUPLEX RECEPTACLES WHERE INDICATED ON THE DRAWINGS OR WHERE REQUIRED BY CODE, SHALL HAVE AN INTEGRAL GROUND FAULT PROTECTOR AND SHALL BE 20A, 125V, 2 POLE, 3 WIRE GROUNDING: HUBBELL #GFR5352. GROUND FAULT RECEPTACLES SHALL NOT BE THRU–WIRED. PROVIDE INDIVIDUAL DUPLEX RECEPTACLES AS SHOWN ON THE DRAWINGS. HOSPITAL GRADE GROUND FAULT DUPLEX RECEPTACLES: HUBBELL #HGF8300.

   D. ALL SWITCHES, DIMMERS, AND RECEPTACLES SHALL BE WHITE UNLESS OTHERWISE INDICATED WITHIN THESE SPECIFICATIONS. VERIFY COLOR WITH THE ARCHITECT PRIOR TO PROCUREMENT OF THE DEVICES. ALL COVERPLATES SHALL BE SMOOTH HIGH IMPACT THERMOPLASTIC FINISH WITH COLOR TO MATCH THE DEVICES. EMERGENCY RECEPTACLES AND SWITCHES SHALL BE RED, WITH COVERPLATES TO MATCH THE FINISH OF THE OTHER COVERPLATES PROVIDED IN THE AREA. IN UNFINISHED AREAS, USE CADMIUM PLATED, ROUND CORNER, STEEL COVERPLATES FOR SURFACE MOUNTED OUTLET BOXES. BOTH THE WIRING DEVICES AND THE COVERPLATES SHALL BE BY THE SAME MANUFACTURER.

7. WIRING DEVICE INSTALLATION:

   A. ADJACENT DEVICES SHALL BE MOUNTED IN GANGED BOXES WITH COMMON COVER PLATES.

   B. VERIFY MOUNTING HEIGHTS AND LOCATIONS WITH THE ARCHITECT BEFORE ROUGH–IN. REFER TO DETAILS AND INTERIOR WALL ELEVATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS.

   C. OUTLETS SHALL NOT BE INSTALLED BACK TO BACK.

   D. ALL RECEPTACLES SHALL BE MOUNTED WITH THE GROUND OPENING ABOVE THE PHASE AND NEUTRAL OPENINGS.

   E. ALL DEVICES SHALL BE SECURED WITH MORE THAN A SINGLE SCREW.

8. DISCONNECT SWITCHES

   A. PROVIDE MOTOR DRIVEN EQUIPMENT WITH PROPERLY SIZED AND RATED DISCONNECT SWITCHES TO COMPLY WITH N.E.C. REQUIREMENTS, WHETHER OR NOT INDICATED ON THE DRAWINGS.

   B. DISCONNECT SWITCHES FOR THREE–PHASE MOTORS AND SINGLE–PHASE MOTORS GREATER THAN 1/2 HORSEPOWER SHALL BE HEAVY–DUTY, SINGLE–THROW SAFETY SWITCHES. SWITCHES SHALL BE FUSIBLE OR NON–FUSIBLE, AS INDICATED, WITH AMPERAGE, POLES AND NEUTRAL, AS SHOWN ON DRAWINGS. PROVIDE SWITCHES WITH QUICK–MAKE, QUICK–BREAK OPERATING MECHANISM, FULL COVER INTERLOCK AND INDICATOR HANDLE, PROVISIONS FOR PADLOCKING OFF, U.L. CLASS "R" REJECTION TYPE FUSE CLIPS, N.E.M.A. 1 ENCLOSURE FOR DRY LOCATIONS AND N.E.M.A. 3R ENCLOSURE FOR DAMP OR WET LOCATIONS.

   C. DISCONNECT SWITCHES SHALL BE MANUFACTURED BY SQUARE D OR BY APPROVED ALTERNATE MANUFACTURERS: GENERAL ELECTRIC, WESTINGHOUSE OR SIEMENS. SHALL BE WESTINGHOUSE TYPE "MS" SERIES OR EQUIVALENT, WITH PILOT

10. HANGERS AND SUPPORTS:

   I. SUPPORT CONDUIT RUNS DIRECTLY ADJACENT TO BUILDING CONSTRUCTION WITH SUITABLE ONE AND TWO–HOLE STRAPS AND/OR CLAMP–TYPE HANGERS. SUPPORT CONDUIT RUNS NOT ADJACENT TO BUILDING CONSTRUCTION WITH SUITABLE, ADJUSTABLE HANGERS. DO NOT USE PERFORATED STRAP–TYPE HANGER, WIRE TIES OR PLUMBERS STRAP.

   J. PROVIDE ANGLE IRON FRAMES AND SUPPORTS FOR JUNCTION BOXS AND CABINETS TO PREVENT STRAIN ON ENTERING CONDUITS. GROUP EXPOSED CONDUITS TOGETHER. CONDUIT PENETRATIONS INCEILINGS SHALL BE TIGHT TO THE CONDUIT AND SEALED.

   K. SUPPORT RIGID STEEL, IMC, AND EMT RACEWAYS AT MAX. TEN FEET INTERVALS AND WITHIN THREE FEET OF OUTLET AND JUNCTION BOXS, CABINETS OR FITTINGS. SUPPORT WITHIN 12" OF EACH CHANGE IN DIRECTION. USE ONE–HOLE MALLEABLE IRON CLAMPS. SUPPORT MULTIPLE RUNS ON GALVANIZED UNISTRUT.

   L. DO NOT SUPPORT ELECTRICAL RACEWAYS, BOXES, FIXTURES AND EQUIPMENT FROM CEILING SUPPORT SYSTEMS, MECHANICAL SYSTEM SUPPORTS, OR MECHANICAL SYSTEMS.

11. ALL EQUIPMENT MOUNTED ON EQUIPMENT ROOM WALLS SHALL BE ATTACHED TO 3/4" PLYWOOD BOARDS, PAINTED WITH FIRE RESISTANT PAINT.

SECTION 16400 – SERVICE AND DISTRIBUTION

1. GROUNDING.

   A. GROUND ALL ELECTRICAL SYSTEM CONDUITS, MOTORS, PANELS AND OTHER EXPOSED NON–CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ALL PROVISIONS OF THE NATIONAL ELECTRICAL CODE, STATE BUILDING CODE AND LOCAL OR REGIONAL CODES.

   B. GROUNDING OF THE ELECTRICAL SYSTEM SHALL BE BY MEANS OF AN INSULATED GROUNDING CONDUCTOR INSTALLED WITH FEEDER AND BRANCH CIRCUIT CONDUCTORS IN ALL CONDUITS. GROUNDING CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH N.E.C. ARTICLE 250.

   C. SYSTEM NEUTRAL CONDUCTORS SHALL BE GROUNDED AT THE SOURCE. NEUTRAL CONDUCTORS SHALL NOT BE USED FOR EQUIPMENT GROUNDING.

   D. THE GROUNDING CONDUCTOR FOR BRANCH CIRCUITS FEEDING ISOLATED GROUND RECEPTACLES SHALL BE CONNECTED ONLY AT THE ISOLATED GROUND RECEPTACLE GROUND TERMINALS, AND AT THE GROUND BUS OF THE SERVING PANEL.

3. PROVIDE 75 DEGREE C RATED CONNECTIONS THROUGHOUT.

SECTION 16500 – LIGHTING

1. RECESSED AND SURFACE MOUNTED FIXTURES MOUNTED IN, OR ON CEILINGS OTHER THAN ACCESSIBLE LAY–IN CEILING SYSTEMS, SHALL BE SECURELY SUPPORTED IN A MANNER APPROVED BY THE ARCHITECT. MOUNTING SHALL ALSO BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE ARTICLE 410, AND AS RECOMMENDED BY THE FIXTURE MANUFACTURER.

2. ALL LIGHTING FIXTURES (INCLUDING "NORMALLY–OFF" EMERGENCY FIXTURES) THAT ARE CAPABLE OF BEING AIMED SHALL BE AIMED BY THE CONTRACTOR FOR THE OPTIMUM COVERAGE OF THEIR TASK, TO THE SATISFACTION OF, AND UNDER THE DIRECTION OF THE ARCHITECT.

COMMUNICATIONS

1. ALL COMMUNICATIONS CABLING SHALL MEET TSC VENDOR SPECIFICATIONS FOR SHIELDED, STRANDED AND PLENUM RATED.

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TSC TRACTOR SUPPLY CO.

FUSION PROJECT
STORE #645
825 US 31 SOUTH
TRAVERSE CITY, MI 49685

Project No.:	19720
Drawn By:	JDJ
Date	Issue
1-7-22	PERMIT
1-21-22	⚠1 REVISION 1

E2.0

ELECTRICAL SPECIFICATIONS

J:\CLIENT\Tractor Supply Co\2022 Projects\00000 Operation Deep Fake\19720 645 Traverse City MI Fusion\XTB TSC Fusion Traverse City MI 645.dwg
Job Path:J:\CLIENT\Tractor Supply Co\2022 Projects\19720 645 Traverse City MI Fusion\931 TSC Fusion Traverse City MI E2.0.dwg
Drawn By:Jose DeJesus