

ABBREVIATION LIST

ABOVE FINISHED FLOOR	AFF	LAMINATED PLASTIC	LAM
ADJUSTABLE	ADJ	LANDLORD	LH
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	OPNS
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	PLYD
DRAWING	DWG	POINT OF SALE	POS
EACH FACE	EF	PRESERVATIVE TREATED	PFT
EACH WAY	EW	PROPERTY LINE	PL
EACH	EA	QUARRY TILE	QT
ELECTRIC	ELEC	RADIUS	RAD or R
ELECTRIC WATER COOLER	EMC	RAIN WATER CONDUCTOR	RWC
ELEVATION	ELEV	REINFORCED	REINF
EQUAL	EQ	REQUIRED	REQD
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	GA/LV	STRUCTURAL	STRUCT
GAUGE	GA	SUSPENDED	SUSP
GENERAL CONTRACTOR	GC	TELEPHONE	TEL
GLASS	GL	TONGUE AND GROOVE	T&G
GLASS FIBER REINFORCED CONCRETE	GFRG	TOP OF	T/
GLASS FIBER REINFORCED GYPSUM	GFRG	TOP OF JOIST	TOJ
GYPSUM BOARD	GYP BD	TOP OF MASONRY	TOM
HANDICAPPED	HCFD	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

- THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE SITE SUPERVISION FOR THE ENTIRETY OF EACH SHIFT FOR THE DURATION OF THE REMODEL CONSTRUCTION PROCESS. WHEN TWO SHIFTS ARE REQUIRED, A SITE SUPERINTENDENT IS REQUIRED FOR EACH SHIFT.
- THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, AIA A-201, 2007 IS APPLICABLE TO THE PROJECT AND INCLUDED HERE-IN BY REFERENCE.
- DO NOT SCALE DRAWINGS. REQUEST CLARIFICATION FROM THE ARCHITECT TO RESOLVE DISCREPANCIES OR TO SUPPLY ADDITIONAL INFORMATION.
- 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).
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.



CONTACTS

OWNER

TRACTOR SUPPLY CO.  
5401 VIRGINIA WAY  
BRENTWOOD, TN 37027  
CONTACT: STEVE AUSDENMOORE  
PH: 854-512-5864  
E: sausdenmoore@TractorSupply.com

OWNER PROJECT MANAGER

TRACTOR SUPPLY CO.  
5401 VIRGINIA WAY  
BRENTWOOD, TN 37027  
CONTACT: CHRIS GOGGIN  
PH: 470-543-5278  
E: cgoggin@tractorsupply.com

PROJECT SUMMARY

THE PROPOSED PROJECT CONSISTS OF INTERIOR AND EXTERIOR ALTERATIONS 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 FULL SCALE REMODEL AND ADDITIONAL OUTLETS TO THE REMODELED SALES FLOOR.

THE EXTERIOR SIDE GARDEN CENTER IS CALLED "THE SIDE LOT PROJECT". THE PRIMARY FUNCTION IS TO PROVIDE A NEW CUSTOMER EXPERIENCE WITHIN THE EXISTING PERIMETER FENCING OF THE OUTDOOR GARDEN CENTER.

KEY FEATURES OF THE "SIDE LOT" PROJECT WILL INCLUDE A GREENHOUSE/CANOPY FEATURE TO PROVIDE OVERHEAD COVERAGE. THE DRIVE AISLE IS TO BE USED AS A CUSTOMER PICK-UP AREA IN LIEU OF HAVING A CURBSIDE PICKUP ZONE IN THE PARKING LOT. NO CHANGES TO THE OVERALL SIZE OF THE GARDEN CENTER IS PROPOSED AND WILL BE COMPLETELY CONTAINED WITHIN THE EXISTING FENCED AREA.

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 PERFORMED BY LANDLORD'S ROOFING CONTRACTOR.

CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND THE APPLICABLE SCOPE OF PROJECT.

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.

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REMODELING SOON

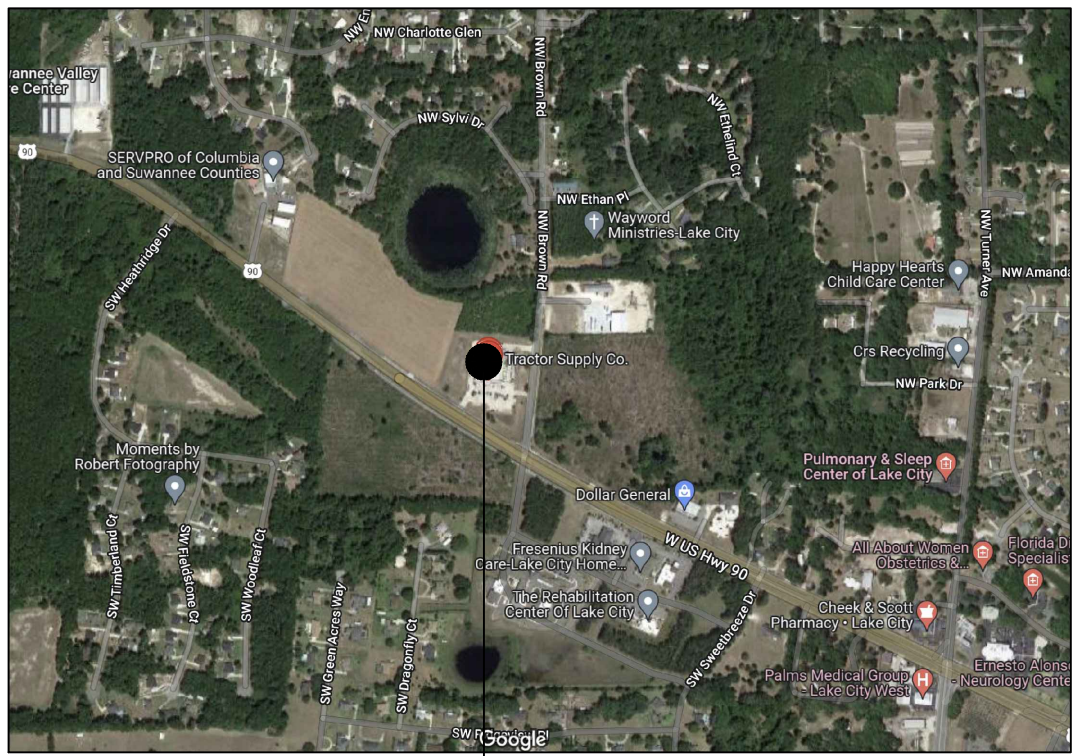
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TSC

TRACTOR  
SUPPLY CO.

---- THE STUFF YOU NEED OUT HERE ----  
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VICINITY MAP



PROJECT LOCATION

TRACTOR SUPPLY  
COMBO PROJECT

5359 W US HWY 90  
LAKE CITY, FL 32055

DRAWING INDEX

		REVISIONS				
ARCHITECTURAL		DATE	DATE	-	-	
T1.0	COVER SHEET					
T1.1	SUPPLEMENTAL INFORMATION & REQUIREMENTS					
F1	TENANT FIXTURE CONSTRUCTION DIMENSIONS					
F2	TENANT FIXTURE DIMENSIONS					
F3	TENANT FIXTURE CLIPSTRIPS					
F4	TENANT FIXTURE POSs					
F8	TENANT FIXTURE SIDE LOT					
F10	TENANT FIXTURE GRAPHICS					
AS1.0	SITE PLAN					
AS1.1	SITE DETAILS					
LS1.0	LIFE SAFETY PLAN					
D1.0	DEMOLITION PLAN					
A0.0	NOTES & DOOR / HARDWARE SCHEDULES					
A0.1	FINISH SCHEDULES & VENDOR INFORMATION					
A0.2	CONCRETE SPECIFICATION					
A1.0	ARCHITECTURAL FLOOR PLAN					
A1.0a	EXTERIOR SPECIFICATIONS					
A1.1	ENLARGED PLAN, ELEVATIONS & DETAILS					
A1.3	PROPANE DETAIL & SPECIFICATIONS					
A2.0	FIXTURE PLAN					
A2.0a	GARDEN CENTER RAMP OPTIONS					
A3.0	ARCHITECTURAL CEILING PLAN					
A5.0	INTERIOR ELEVATIONS & DETAILS					
A6.0	EXTERIOR ELEVATIONS					
A7.0	POS DETAILS					
STRUCTURAL						
S1.0	STRUCTURAL DETAILS					
S2.0	STRUCTURAL PROPANE PLAN & DETAILS					
MECHANICAL & PLUMBING						
P1.0	PLUMBING PLAN					
MP1.0	MECHANICAL & PLUMBING SPECIFICATIONS					
FIRE PROTECTION						
FP1.0	FIRE PROTECTION PLAN					
ELECTRICAL						
E1.0	LIGHTING PLAN					
E2.0	POWER PLAN					
E2.1	PROPANE ELECTRICAL PLAN & DETAILS					
E3.1	ELECTRICAL DETAILS & SPECIFICATIONS					

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Project No:	19982
Drawn By:	RJ
Date	Issue
6-10-22	PEPMT



TRACTOR SUPPLY AND VENDOR CONTACT INFORMATION

<b>TRACTOR SUPPLY:</b>
<b>TRACTOR SUPPLY FIXTURE PLANS</b> KEN MARSH VICKY DERON #615.440.4106 #615.440.4085 kmarsh@tractorsupply.com vderon@tractorsupply.com
<b>PROPANE COORDINATION</b> MOLLIE TRELOAR, BUYER - HEATING & COOLING #615.440.4230 mtreloar@tractorsupply.com
MARIAH GRAYTON, ASSOCIATE BUYER - HEATING & COOLING #615.647.2634 mgrayton@tractorsupply.com
<b>UTILITY TRANSFER INFORMATION</b> JAMES MASTERS, TSC ENERGY MANAGER ENGIE #615.440.4396 jmasters@tractorsupply.com tractorsupply@CCLinsightengie.com (FOR LP ACCOUNTS FOR BUILDING HEAT CALL AMERIGAS)

<b>RECOMMENDED ONLY:</b>
<b>WASTE AND RECYCLING VENDOR</b> DIANE HUEFFMEIER, PROGRAM MANAGER ROCKTENN COMPANY #314.292.3313 dhueffme@rocktenn.com
<b>RED STRIPING</b> RICK TOWNE POP SOLUTIONS GROUP #901.483.5424 (CELL) #901.745.5436 x 19 (OFFICE) rtowne@popsolutionsgroup.com
<b>PRINTING</b> CINDY PIND PLAN EXPRESS 866.404.2614 x 4505 cindy.pind@planexpress.net

<b>SLP / GARDEN CENTERS ONLY:</b>
<b>GREENHOUSE AND FEED BUILDING PROVIDERS:</b> CAL LOONEY, PRESIDENT MERCHNEY GREENHOUSES #864.940.6666 cal@merchneygreenhouses.com
JALIYAH SANFORD, LOGISTICS AND COMMUNICATION MERCHNEY GREENHOUSES #864.940.6666 jaliyah@merchneygreenhouses.com
NICK WORKMAN, RETAIL DIVISION MANAGER PROSPANT, INC. #513.618.7279 nworkman@prospant.com
GLENN STETZ - RETAIL TEAM DESIGNER PROSPANT, INC. #513.623.1544 gstetz@prospant.com

<b>VENDOR #1: DOORS, FRAMES, &amp; HARDWARE</b> CHARLES GIRTMAN NATIONAL ACCOUNT SALES EXECUTIVE DH PAGE #616.221.0543 charles.girtman@dhpac.com	<b>VENDOR #2: SECTIONAL DOORS</b> REBEKAH HICKS DH PAGE #616.480.2649 tscddoors@dhpac.com rebekehicks@dhpac.com LEAD TIME: 2 WEEKS - HOLLOW METAL FRAMES 3 WEEKS - PRE-PAINTED & HPI DOORS 3-4 WEEKS - WIND RATED ASSEMBLIES & COASTAL / CA PROJECTS	<b>VENDOR #3: STOREFRONT DOORS</b> JIM WISE, NATIONAL ACCOUNT MANAGER STANLEY #847.208.3903 jim.wise@sbdinc.com LEAD TIME: 6 WEEKS	<b>VENDOR #4: LIGHTING PROVIDER</b> 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	<b>VENDOR #5: HVAC PROVIDER</b> STEVEN PETER, NATIONAL ACCOUNT SALES MANAGER LENEX #800.367.6285 nationalaccountrequest@lenoxind.com LEAD TIME: 6 WEEKS  ERIN DUNIGAN LENNOX #972.497.6709 erin.dunigan@lennoxind.com LEAD TIME: 6 WEEKS	<b>VENDOR #6: SECURITY SYSTEMS</b> GAVIN ELLIS, SYSTEMS APPLICATIONS ENGINEER JCI 120 N. PARK DRIVE, BIRMINGHAM, AL 35211 #205.440.6523 gavin.ellis@jci.com  DAMEN HALLOWELL, TEAM MANAGER INSTALLATION COORDINATOR / JCI 10405 CROSSPOINT BLVD., INDIANAPOLIS, IN 46256 800.453.2247 x1052054 damen.hallowell@jci.com  ALEXANDER KNIGHT: alexander.uknight@jci.com CHRIS AYERS: chris.ayers@jci.com JUAN GABRIEL AGUILAR DELGADO: juangabriel.aguilardelgado@jci.com JCI: bts-tsc@jci.com	<b>VENDOR #7: ELECTRIC PANEL</b> ERIC LINE, NATIONAL ACCOUNTS MANAGER CAROLINA PRODUCTS, INC. (CPI) #800.756.4455 OFFICE #704.779.2327 CELL ericline@cpipanels.com LEAD TIME: 6 WEEKS  <b>VENDOR #8: EMS</b> GAGE PERRY ABB - COMMERCIAL ENERGY SOLUTIONS #603.716.0636 gage.perry@us.abb.com	<b>VENDOR #9: LOW VOLTAGE PROVIDER</b> TERRY L CORPENING MERCURY TECH PARTNERS, INC. #828.465.7348 x 221 terry@gomtp.com  DIANE MULLINS MERCURY TECH PARTNERS, INC. #828.465.7348 x 344 diane@gomtp.com	<b>VENDOR #10: BOPIS SHED PROVIDER</b> RICK KELLER L.J.S. SOLUTIONS #803.773.9625 rickkellere@ljs-solutions.com	<b>VENDOR #11: VINYL PLANK FLOORING</b> CINDY SASS EARTHWERKS/ SWIFF-TRAIN shane@swiff-train.com  JOE REDDINGTON EARTHWERKS/ SWIFF-TRAIN joer@swiff-train.com	<b>VENDOR #12: HAND DRYERS</b> ASHLEY MAY WORLD DRYERS DISTRIBUTOR #800.459.7099 ashley.may@hjciinc.com	<b>VENDOR #13: BUMPER SIGNS/BOLLARD COVERS</b> KEVIN ONEILL MCCUE #770-500-2849 konell@mccue.com	<b>VENDOR #14: METAL RAMP DISTRIBUTOR</b> TONY HAMILTON Q.S.I. ENVIRONMENTAL & INDUSTRIAL STEEL FABRICATORS #534.743.6875 thamilton@qsisteel.com LEAD TIME: 3 WEEKS  ANDREW STREUTKER DURA-RAMP, INC. #604.745.9799 andrew@duraramp.com LEAD TIME: 3-5 WEEKS	<b>VENDOR #15: PET WELLNESS FLOORING</b>	<b>VENDOR #16: PROPANE CANOPY</b> PEYTON CASCIO VERSATUBE BUILDING SYSTEMS #901.614.2192 OFFICE #901.378.0461 CELL
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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 FULL 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 MINES (615.440.4217) fmines@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 (866.818.4573) 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 MINES (615.440.4217) fmines@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
CARHARTT SHOP (IF APPLICABLE)	4 WEEKS BEFORE FUSION COMPLETION - COORD. w/ T.S.C. PM.	VENDOR #15	CONTRACTOR

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	BY WHO	WHEN	SPECIAL NOTES
ACTION TSC ADDED TO SOS CODES AND BUILDING TYPE (CONTACT TSC PM AS NECESSARY) RESEARCHED, BA AND FA PLANS COMPLETED	TSC REAL ESTATE JCIAOT	1ST MONDAY OF EACH MONTH 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 PLANS FORWARDED TO LL AND/OR HIS ARCHITECT IF KNOWN TSC TO REVIEW LL PLANS FOR ACCURACY LL TO COMPLETE ALL LVN SON PER PLANS USING TSC VENDOR SECURITY SYSTEMS CONTRACTOR TO INSTALL THEIR EQUIPMENT AND MAKE TERMINATIONS	JCIAOT TSC PM MERCURY TECH JCIAOT	ON 30TH DAY AFTER ADDED TO SOS 31 DAYS WHEN SENT BY LL PRIOR TO CONSTRUCTION START NO LESS THAN 2 WEEKS PRIOR TO FD FROM 2 WEEKS STARTING APPROXIMATELY 3 WEEKS FROM FD TO BE DONE LAST AS LVW VENDOR COMPLETES NO LATER THAN 2 WEEKS PRIOR TO FD.	
INSTALLATION OF PA SYSTEM, PHONE SYSTEM, SPEAKERS, OUTSIDE HORNS, PHONES, PATCH PANEL, AP'S W/ ANTENNAS INSTALLATION OF POS SYSTEMS AT ALL LOCATIONS AND TESTINS OF AP SYSTEM	RAY CLEMENT / MERCURY TECH RAY CLEMENT / AGILYSIS	MONDAY AND TUESDAY BEFORE FD TUESDAY BEFORE FD	
ON DEVELOPER OWNED PROJECTS, DEVELOPER IS RESPONSIBLE FOR 100 % OF COST OF LVW VENDOR AND WIRING.			
RETROFITS			
ACTION STORE ADDED TO SOS TSC ARCHITECT TO SEND BASE PLAN TO SECURITY SYSTEMS CONTRACTOR CODES RESEARCHED, BA AND FA PLANS TSC ARCHITECT TO NOTIFY SECURITY SYSTEMS CONTRACTOR VIA EMAIL THAT FULL SET OF PLANS IS AVAILABLE AT PLAN EXPRESS	BY WHO TSC REAL ESTATE TSC PM JC1 / ADT TSC PM	WHEN 1ST MONDAY OF EACH MONTH 10-20 DAYS AFTER ADDED TO SOS UPON RECEIPT OF BASE PLAN 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 TSC ARCHITECT TO INSERT SECURITY SYSTEM PLANS INTO SET FOR PERMIT GC TO CONTACT ASSIGNED LVN VENDORS FOR PRIGINS GC / LVN VENDOR FINISHED ALL LVN SON PER PLANS	JC1 / ADT TSC PM TSC PM MERCURY TECH	W/IN 3 DAYS OF RECEIPT OF FULL SET OF PLANS UPON RECEIPT OF SECURITY SYSTEMS PLAN VERIFIED AT BID EVALUATION 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	JC1 / 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 PA 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 RAY CLEMENT / ASYLISIS	MONDAY AND TUESDAY BEFORE FD 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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GENERAL NOTES:

PARKING REQUIREMENTS

- 1. EXISTING PARKING SPACES / CONFIGURATION TO REMAIN, UNLESS NOTED OTHERWISE BY THE S.O.W. OR AS REQUIRED BY LOCAL JURISDICTION.
- 2. WHEN RESEALING AND/OR RE-STRIPING: BAY SPACING, AS NOTED ON PLAN IS PREFERRED, WITH A PARKING STALL SIZE OF 9' WIDTH x 18' LENGTH AND 90-DEGREE ORIENTATION.
- 3. STRIPING AND GRAPHICS SHALL USE A SINGLE 4" WIDE STRIPE, DIRECTIONAL ARROWS AND LETTERING ARE SOLID; COLOR AS REQUIRED PER NOTES ON SHEET A1.0a.

LANDSCAPE AREAS AND IRRIGATION

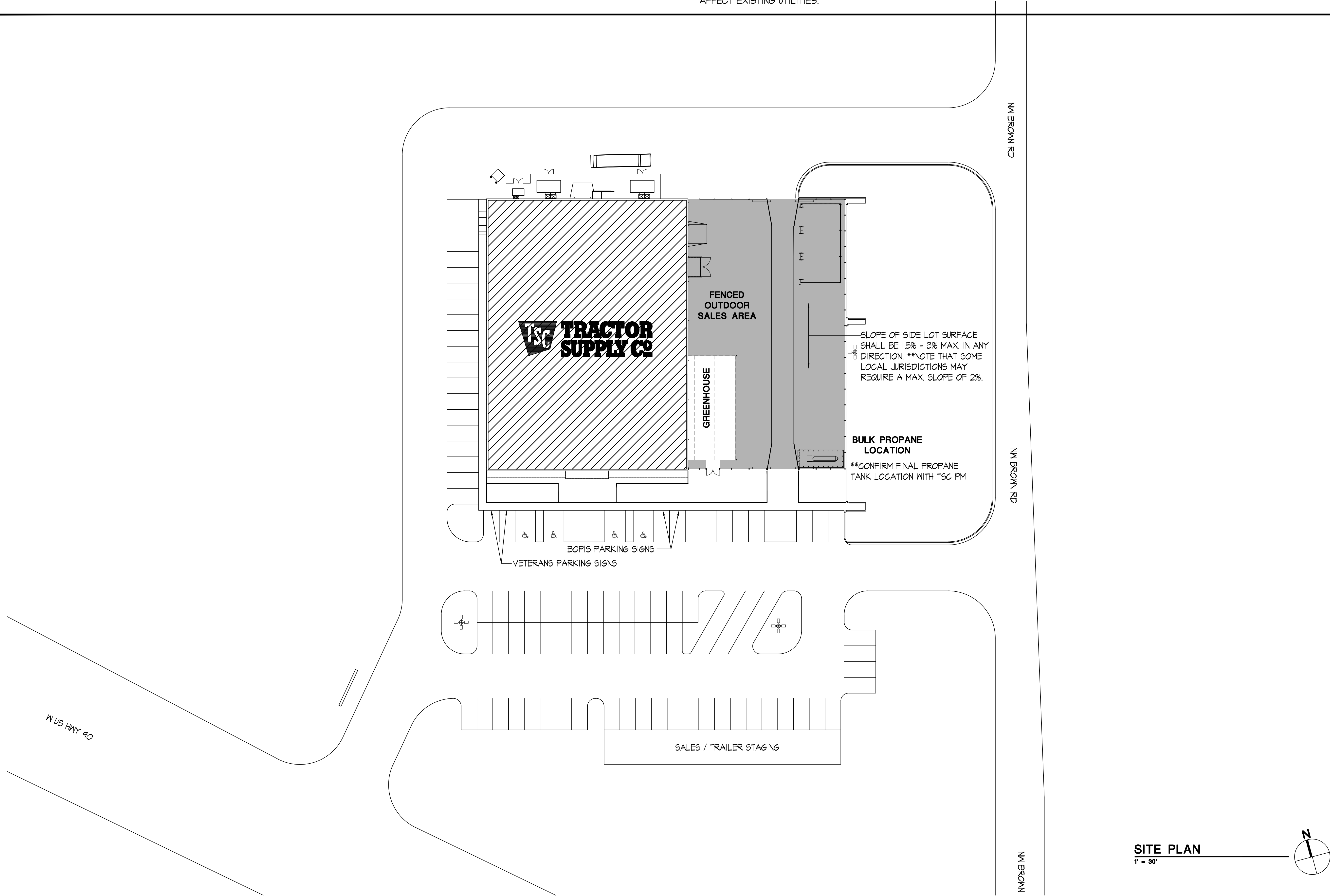
- 1. LANDSCAPE IS TO ONLY BE MODIFIED AS REQUIRED BY NEW WORK AFFECTING PREVIOUS LANDSCAPE. IN GENERAL, NEW LANDSCAPING IS NOT INTENDED THROUGHOUT
- 2. IF INSTALLED, IRRIGATION SYSTEM TO BE COMPATIBLE WITH THE PLANT MATERIAL AND ENVIRONMENTAL EXPOSURE.
- 3. LANDSCAPE SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF LOCAL LANDSCAPE CODES AND BE COMPATIBLE/CONSISTENT IN MATERIAL AND QUALITY OF THE OVERALL DEVELOPMENT.
- 4. LANDSCAPE TO BE DESIGNED WITH CONSIDERATION TO SIGHT LINES TO BUILDING SIGNAGE AND ENTRY ELEMENTS AS TO NOT REDUCE VISIBILITY.

GRADING AND DRAINAGE

- 1. EXISTING IMPERVIOUS AREA AND CALCULATED DRAINAGE AREA IS NOT INTENDED TO BE CHANGED UNLESS NEW PAVEMENT IS PROPOSED. EXISTING SIDE LOT PAVEMENT IS INTENDED TO BE UTILIZED AS SLAB FOR NEW GREENHOUSE AND/OR FEED STORAGE BUILDING.
  - 1. DRAINAGE SHALL FLOW AWAY FROM BUILDINGS AND SIDEWALK CURBS. SIDEWALKS SHALL SLOPE AWAY FROM BUILDING AT 1/8" PER FOOT (MIN.)
  - 2. PROVIDE ALL REQUIRED UNDERGROUND AND SLEEVEING ALL UTILITY AND IRRIGATION CONNECTIONS.
- UTILITIES**
- 1. TAKE EXTRA CARE WHEN INSTALLING NEW UNDERGROUND WORK AS TO NOT AFFECT EXISTING UTILITIES.

SITE LIGHTING

- 1. EXISTING SITE LIGHTING TO REMAIN; NO NEW LIGHTING OR LIGHT POLES INCLUDED, U.N.O.
- 2. MINIMUM MAINTAINED ILLUMINATION AT GROUND SURFACE: REPAIR OR REPLACE FIXTURES AND LAMPS THAT ARE NOT OPERATIONAL.
- 3. IF NOTED ON THE S.O.W. ALL CONCRETE LIGHT POLE BASES ARE TO BE PAINTED SAFETY YELLOW UNLESS OTHERWISE REQUIRED BY AUTHORITY HAVING JURISDICTION (REFER TO SCOPE OF WORK SUMMARY FOR ADDITIONAL INFORMATION).



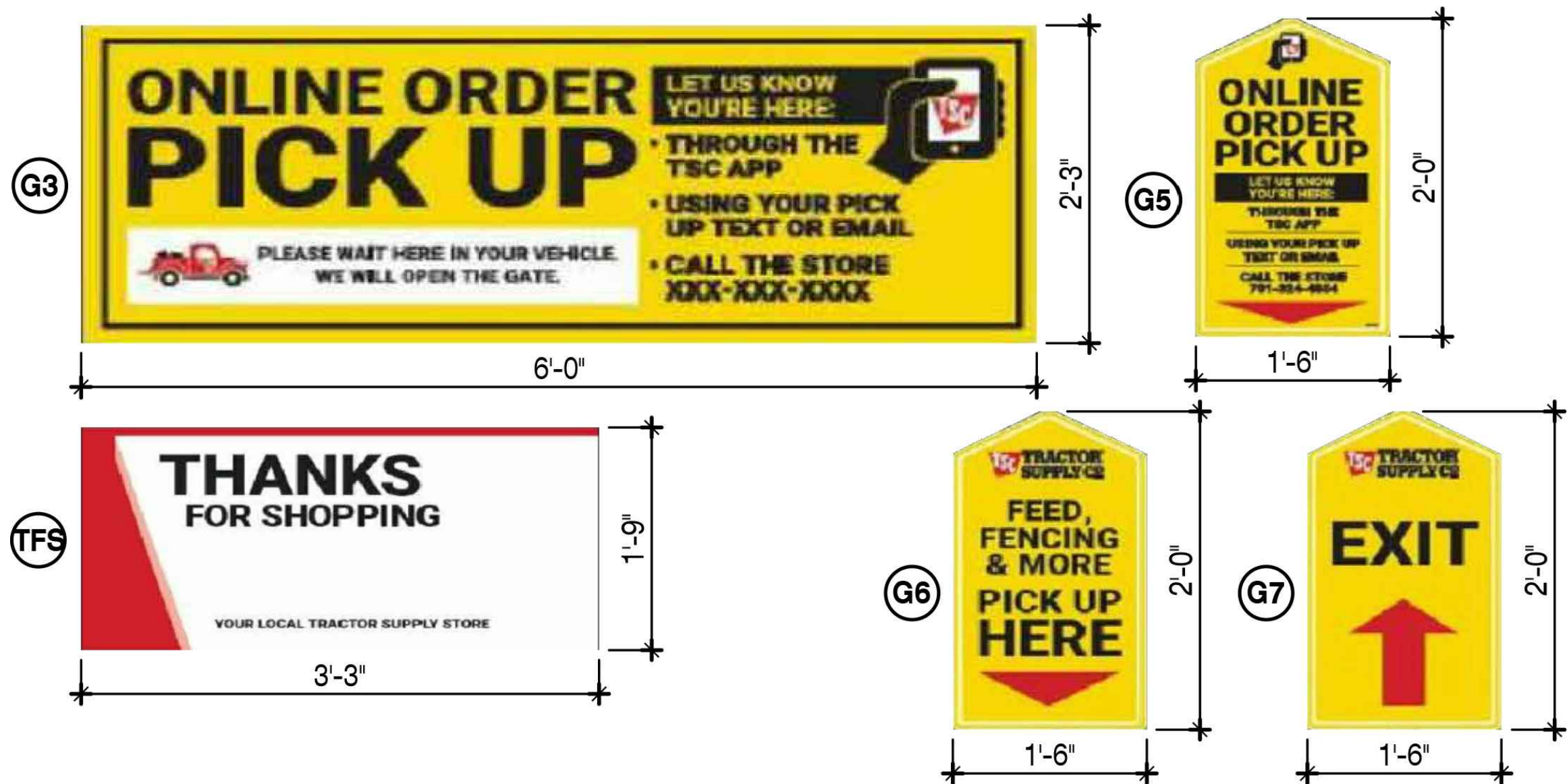
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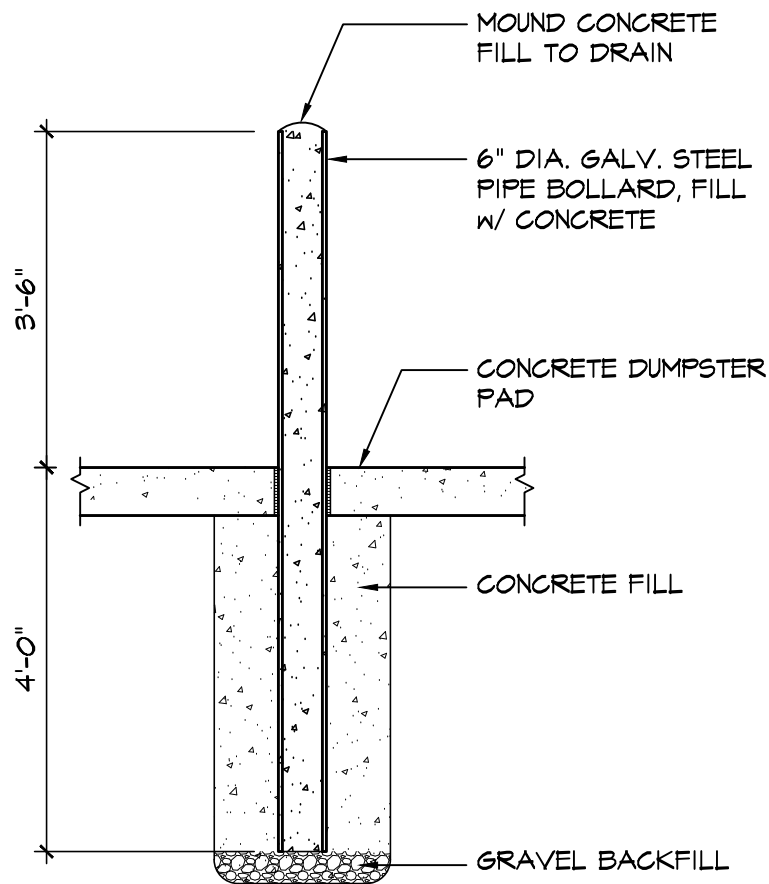
FUSION / SIDE LOT  
**COMBO PROJECT**  
STORE #550  
5369 WEST US HWY 90  
LAKE CITY, FL 32055

Project No: 19982  
Drawn By:  
Date: 6-10-22 Issue: PEP/MT

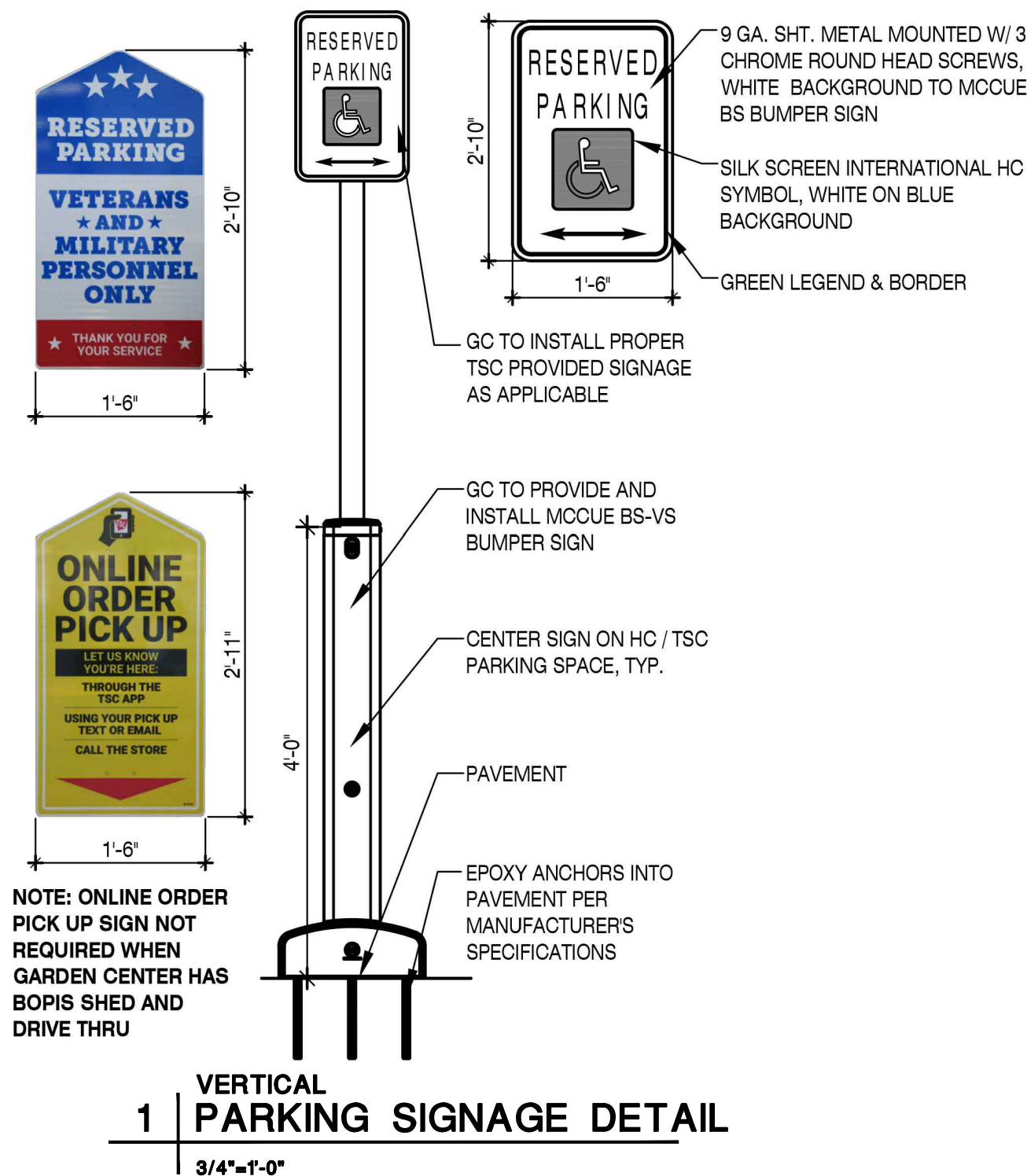




3 | SIDELOT SIGNAGE DETAIL  
1"=1'-0"



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



1 | VERTICAL PARKING SIGNAGE DETAIL  
3/4"=1'-0"

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FUSION / SIDE LOT  
**COMBO PROJECT**

STORE #550  
5369 WEST US HWY 90  
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AS1.1

SITE DETAILS



CODE SUMMARY

- 2020 FLORIDA BUILDING CODE
- 2020 FLORIDA PLUMBING CODE
- 2020 FLORIDA MECHANICAL CODE
- 2020 FLORIDA FUEL GAS CODE
- 2020 FLORIDA ELECTRIC CODE
- 2020 FLORIDA ENERGY CONSERVATION CODE
- FLORIDA FIRE PREVENTION CODE 7TH EDITION, NFPA 13 & NFPA 72

NUMBER OF STORIES:

1 - EXISTING

OCCUPANCY CLASSIFICATION:

MERCANTILE

CONSTRUCTION TYPE:

II-B

FIRE PROTECTION:

SPRINKLERED.

EXISTING MAIN BUILDING: EXISTING TO REMAIN  
PROPOSED GREENHOUSE: NEW DRY PIPE SPRINKLER; REFER TO  
SHEET FPI-0 FOR REFERENCE (TO BE SUBMITTED BY OTHERS).

ALARM SYSTEM:

ALARMED:  
EXISTING MAIN BUILDING: EXISTING TO REMAIN  
PROPOSED GREENHOUSE: ADDED TO EXISTING SYSTEM (TO BE  
SUBMITTED BY OTHERS).

AREA AND OCCUPANT LOAD CALCULATIONS:

MAIN BUILDING (EXISTING TO REMAIN):

MERCANTILE: 18,524 SF / 60 = 309 OCCUPANTS

BUSINESS: 115 SF / 100 = 2 OCCUPANTS

STORAGE: 2,871 SF / 300 = 9 OCCUPANTS

MAIN BUILDING TOTAL: 21,010 SF AND 319 OCCUPANTS (EXISTING TO

REMAIN)

EXISTING EGRESS:

M : 271' x 0.2 = 54.2' REQ'D x 50% = 27.1'; 84" x 32" = 116'

PROVIDED

B : 2 x 0.2 = 0.4' REQ'D; 32" PROVIDED.

S : 16 x 0.2 = 3.2' REQ'D; 32" PROVIDED.

\*\*EGRESS HAS BEEN CALCULATED INDEPENDENTLY TO SHOW COMPLIANCE.  
IT IS NOT THE INTENT FOR THE ADDITION TO EGRESS INTO THE EXISTING  
MAIN BUILDING, OR FOR THE MAIN BUILDING TO EGRESS INTO AND THROUGH  
THE PROPOSED GREENHOUSE.

PROPOSED GREENHOUSE AREA (NEW):

GARDEN CENTER (MERCANTILE): 1,920 SF / 60 = 32 OCCUPANTS

33 x 0.2 = 6.6' EGRESS REQUIRED (32" MIN.) & 2 EXITS  
MIN.

TOTAL OCCUPANT LOAD: 22,990 SF AND 352 OCCUPANTS

GENERAL BUILDING NOTES:

1. PROVIDE TACTILE SIGNAGE AT ALL EXTERIOR DOORS.
2. PROTRUDING OBJECTS IN THE EGRESS PATH, MUST COMPLY WITH THE  
CODE AND ACCESSIBILITY REQUIREMENTS.

FIRE EXTINGUISHERS

FIRE EXTINGUISHER SIZE AND PLACEMENT FOR CLASS A HAZARDS.

- 11,250 S.F. MAX. FLOOR AREA FOR EACH FIRE EXTINGUISHER.
- 75' MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER
- 1,500 SQ. FT. PER UNIT OF A
- MINIMUM RATED EXTINGUISHER - 2A-10B:C

FIRE EXTINGUISHER SIZE AND PLACEMENT FOR CLASS B HAZARDS.

- ORDINARY (MODERATE) HAZARD - Size 10B EXTINGUISHER  
RATING REQUIRES 30'-0" MAX. TRAVEL DISTANCE TO  
EXTINGUISHER.

Size 20B EXTINGUISHER RATING REQUIRES 50'-0" MAX. TRAVEL  
DISTANCE TO EXTINGUISHER.

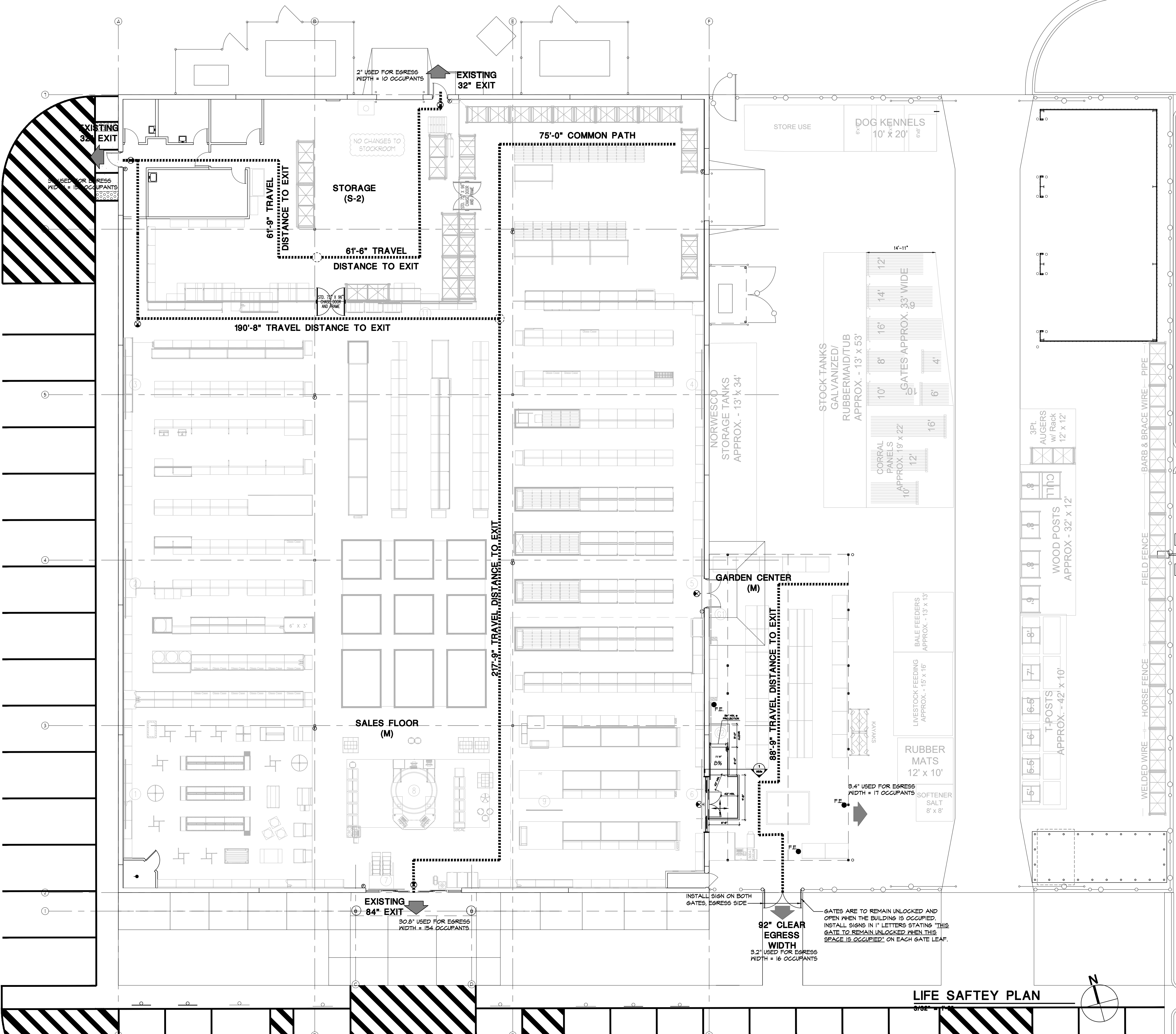
FIRE EXTINGUISHER SIZE AND PLACEMENT FOR CLASS C HAZARDS.

- REQUIRED WHERE ENERGIZED ELECTRICAL EQUIPMENT CAN BE  
ENCOUNTERED THAT WOULD REQUIRE A NONCONDUCTING  
EXTINGUISHING MEDIUM.

FIRE EXTINGUISHER NOTES

INFORMATION BASED ON INTERNATIONAL FIRE CODE REQUIREMENTS  
AND NFPA 10 FOR AN ORDINARY (MODERATE HAZARD) OCCUPANCY

1. LOCATIONS AND QUANTITIES AS PROPOSED ARE BASED ON  
NFPA 10. VERIFY & COORDINATE FINAL QUANTITIES,  
LOCATIONS, AND INSTALLATION WITH LOCAL JURISDICTION.
2. TOTAL FIRE EXTINGUISHERS = AS REQUIRED BY LOCAL A.H.J.  
ALL FIRE EXTINGUISHERS SHALL HAVE A GROSS WEIGHT NOT TO  
EXCEED 40 lbs AND ARE TO BE MOUNTED ON MOUNTING  
BRACKETS SO THAT THE BOTTOM OF UNIT IS 21" A.F.F. OR  
LOWER FOR GASE DETECTION. COORDINATE EXACT HEIGHT  
WITH LOCAL FIRE DEPARTMENT.





01 NOT USED.

02 SAW-CUT & DEMO AS REQUIRED FOR GREENHOUSE FOOTINGS; SEE GREENHOUSE DOCUMENTS FOR ADDITIONAL INFORMATION AND LAYOUT LOCATIONS.

03 SAW-CUT AND REMOVE EXISTING BUILDING WALL, TO CREATE NEW OPENING FOR DOORS WHERE INDICATED. REFER TO SHEET A1.0 & S1.0 FOR ADDITIONAL INFORMATION. COORDINATE SIZE OF OPENING WITH DOOR MANUFACTURER.

04 PRIOR TO CUTTING DOORWAY, COMPARE THE INTERIOR FINISH FLOOR ELEVATION AND EXTERIOR GRADE ELEVATION. IF SLOPED CONCRETE OR A RAMP IS REQUIRED, CONTACT TSC FM AND COORDINATE EXTENT OF WORK.

\*\*\*DO NOT DISCONNECT OR REMOVE PROPANE TANK PRIOR TO FINAL RELOCATION DESTINATION IS COMPLETE AND INSPECTED TO MINIMIZE PROPANE USE SHUTDOWN\*\*\*\*

05 REMOVE EXISTING PROPANE TANK AND BOLLARDS AND PATCH DAMAGE AND HOLES. RELOCATE TANK AND EQUIPMENT WHERE INDICATED. PATCH ALL TRENCHING. REFER TO SHEET A1.0 FOR ADDITIONAL INFORMATION. COORDINATE WITH TSC FM.

06 NOT USED.

07 REMOVE EXISTING MAN GATE. PREPARE AREA TO RECEIVE NEW WORK.

08 REMOVE EXISTING FENCE WHERE INDICATED. PREPARE AREA TO RECEIVE NEW WORK. REFER TO SHEET A1.0 FOR ADDITIONAL INFORMATION.

09 REMOVE EXISTING CANOPY OVER DOOR (EXISTING DOOR TO REMAIN). PATCH WALL PENETRATIONS AND CONCRETE WHERE NECESSARY; PREPARE AREA TO RECEIVE NEW WORK.

0A NOT USED.

10 NOT USED.

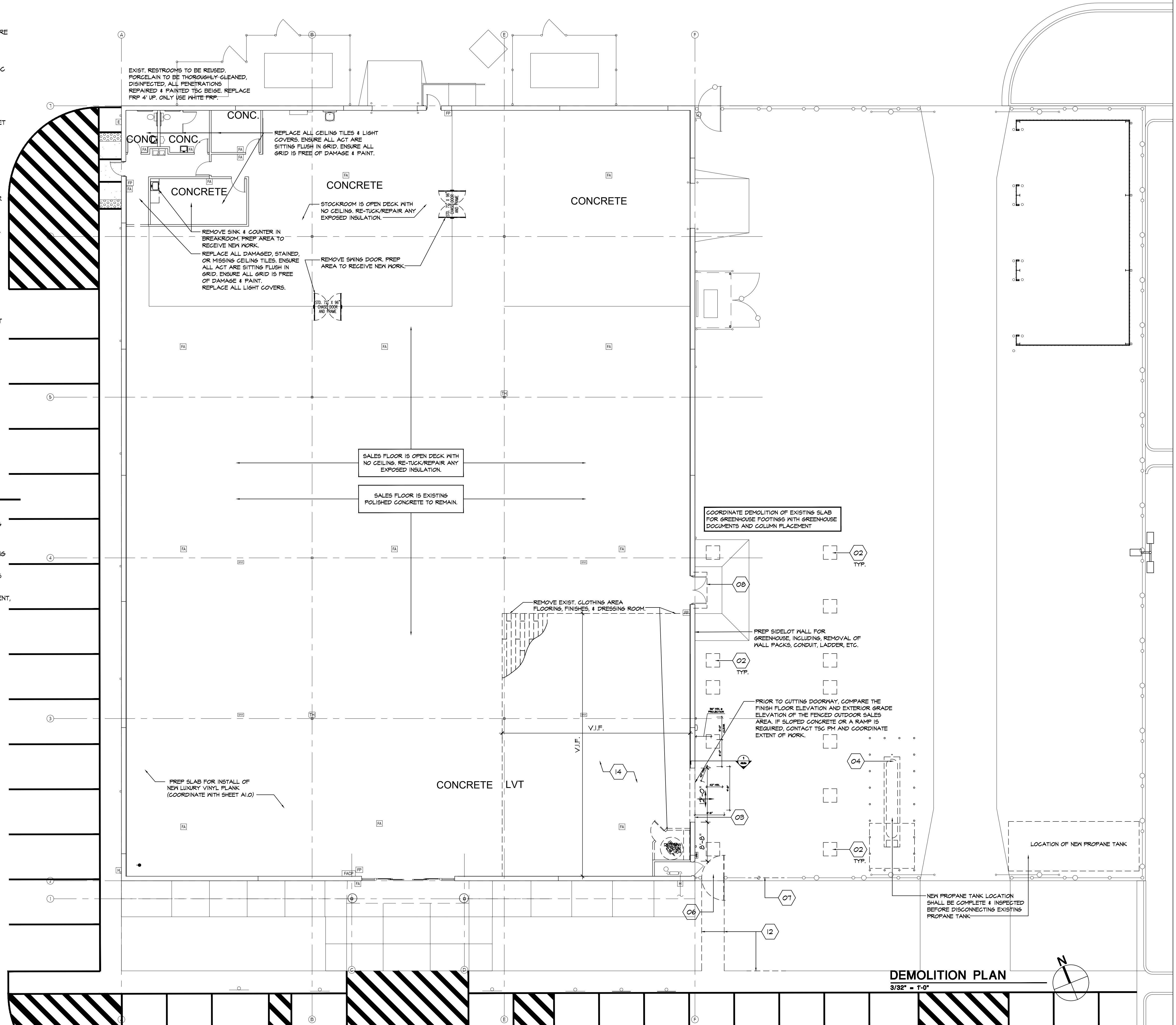
11 NOT USED.

12 MODIFY EXISTING SIDEWALK AND CURB CUT FOR NEW DRIVE-THRU ACCESS. REFER TO SHEET A1.0 FOR LOCATION AND ADDITIONAL INFORMATION.

13 NOT USED.

14 REMOVE EXISTING FLOORING (CARPET, VCT, ETC.) AND REMOVE ALL GLUE / MASTIC. PREP FLOOR FOR NEW WORK.

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 ARE 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.



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**FUSION / SIDE LOT**  
**COMBO PROJECT**  
STORE #550  
5359 WEST US HWY 90  
LAKE CITY, FL 32055

Project No.:	19962
Drawn By:	RJ
Date	Issue
10-22	PERMIT

D1.0

## DEMOLITION PLAN



- 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 MANUFACTURERS 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 (901.745.5936) -- 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 615.440.4121 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 HOLSON AT ECOVA, INC. #504.329.7516 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 REP STRIPING, CONTACT POP SOLUTIONS AT 901-745-5936, ACCOUNT REP.: RICK TOWNE.
30. LANDLORD AND 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 STURONG 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 TOLDO PRODUCTS, INC. (508.651.3818) OR APPROVED EQUIVAL.
36. CONCRETE MASONRY UNITS AND EXTERIOR CONCRETE MOISTURE CONTENT CRITERIA. GENERAL CONTRACTOR, OR, THE OWNER'S TESTING COMPANY SHALL PROVIDE MOISTURE TESTING OF ALL CMU AND CONCRETE EXTERIOR WALL PER ASTM D489 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.
41. USE OF CLEAR SEALANTS IS PROHIBITED.
42. POWER POLES FOR ALL CHECKOUT DROPS ARE TO BE BLACK; NO SUBSTITUTIONS.
- 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.

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.

## GENERAL REQUIREMENTS

1. PAINT YELLOW STRIPE DOWN THE CENTER OF THE INSIDE OF THE ROLLING STEEL ROLLUP DOOR THAT RECEIVES NEW STRIPE DOORS. ONLY PAINT STRIPE IF PLASTIC STRIP DOOR IS INSTALLED ON THE INSIDE. ON THE INSIDE, HANG A 6 INCH YELLOW PAINTED PVC PIPE AT THE HEIGHT OF THE ROLLING STEEL ROLLUP DOOR THAT WILL MARK FORK LIFT DRIVER THAT THEIR FORKS ARE TOO HIGH. IF SECTIONAL DOOR, HANG 6 INCH YELLOW PAINTED PVC AT THE HEIGHT OF THE EXPOSED SIDE OF THE TRACK. IF SECTIONAL DOOR, DO NOT PAINT STRIPE DOWN THE CENTER.
2. CHECK PRIMARY ROLLUP DOOR (DOOR USED BY FORKLIFT TO EXIT BUILDING) FOR PLASTIC CURTAIN STRIPS. IF STORE CURRENTLY HAS THESE, AND THEY ARE DAMAGED, MISSING, OR NON-TRANSLUCENT, PLEASE REPLACE. EACH STRIPS SHOULD OVERLAP 50%. IF STORE DOES NOT HAVE THESE ON THEIR PRIMARY ROLLUP DOOR, INSTALL NEW SET. IF SECTIONAL DOOR, STRIPS ON EXTERIOR. IF ROLLING STEEL DOOR, STRIPS ON INTERIOR.
3. CONTRACTOR IS TO HIRE COMMERCIAL CLEANING COMPANY TO REMOVE ALL DIRT AND GRIME FROM THE BATHROOMS, BREAK ROOM, MANAGER OFFICE, HALLWAY, SERVICE COUNTER & CASH WRAPS. AT THE SIDE LOT DOOR & VESTIBULE DOOR; REMOVE ALL DIRT AND GRIME FROM INTERIOR & EXTERIOR FROM AND GLASS. THIS SHOULD BE DONE AT THE END OF THE PROJECT PRIOR TO THE PUNCH DATE.
4. ANY WALL THAT IS RECEIVING PAINT IS ALSO TO RECEIVE NEW OUTLET COVERS TO MATCH AS WELL AS NEW COVE BASE.
5. ALL HVAC GRILLS ON SALES FLOOR, VESTIBULE, REST ROOMS, BREAK ROOM, AND MANAGERS OFFICE TO BE CLEANED.

NOTE: CONFIRM APPLICABILITY WITH TSC PM PER TSC PROJECT.

SET #	DOORS	QUANTITY	ITEM	MANUFACTURER
1 A	2	1 EA. 1 EA. 1 EA.	MORTISE CYLINDER 2B10T-I-26D ICCTA2 (GREEN CONSTRUCTION CORE)-GREEN MORTISE THUMB TURN CYLINDER-26D BALANCE OF HARDWARE BY DOOR SUPPLIER	KABA BEST KABA
1 C	3	6 EA. 2 EA. 1 EA. 2 EA. 1 EA. 1 EA.	BUTT HINGES, ANSI 156.1, A8111, BBI168 (ANSI A5111 / BBI199 @ EXTERIOR) CLOSER, ANSI A156.4, GRADE 1, 4000 SERIES (PARALLEL ARM) THREE-POINT DEADLOCK, MS-1850S, 4089 EXIT INDICATOR, 4015 THRESHOLD BOLT, 4016 HEADER BOLT, KEYED MORTISED CYLINDER, ANSI A156.5, GRADE 1, 5 PIN, KEYED BOTH SIDES. (ONE DOOR ONLY) PUSH/PULL, KAWNEER CP-11/CO-9, FINISH TO MATCH DOOR THRESHOLD (MAX. 1/2"H.), DOOR MANUFACTURER'S STANDARD WEATHERSTRIP PACKAGE AND BOTTOM SWEEP SIGN, "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED" - 1" HIGH LETTERS ON A CONTRASTING BACKGROUND MOUNTED ABOVE DOOR.	HAGER   LCN  ADAMS RITE   BY DOOR MANU.
1 D	7, 8	1 EA. 1 EA. 1 EA.	MORTISE CYLINDER 2B10T-I-26D DUMMY CYLINDER T16ODG-26D ICCTA2 (GREEN CONSTRUCTION CORE) BALANCE OF HARDWARE BY DOOR SUPPLIER	KABA KABA BEST
1 E	9	1 EA. 1 EA. 1 EA. 1 EA. 1 EA.	THUMB TURN -CYLINDER -26D MORTISE CYLINDER 2B10T-I-26D DRIP CAP 16A X T6 - A CLOSER, PARALLEL ARM SC81A X HW/P A X SLIM 689 PLATE SC80A-18PA BALANCE OF HARDWARE BY DOOR SUPPLIER	KABA KABA NAT FAL FAL
2	6, 10, 18, 21, 23		ALL HARDWARE BY DOOR SUPPLIER	
4	5	1 EA. 1 EA. 3 EA.	CONTINUOUS HINGE 22HD PRIVACY LOCK T3015 X D X 2390137 X 5164 X 1 3/4- 626 SILENCER SR64- GR Y	MCK FAL IVE
5	4, 20, 24	3 EA. 1 EA. 2 EA. 1 EA. 1 EA. 1 EA. 1 EA. 1 EA.	HINGES MPBT14 4 1/2 X 4 1/2 NRP- 26D ARMED EXIT DEVICE ECL-230D-GRAY RIM CYLINDER R2820T-I-4 SURFACE FULL ON U528 CLOSER, PARALLEL ARM SC81A X D5 X SLIM-689 THRESHOLD 846V- MILL DOOR BOTTOM 745WH- MILL WEATHERSTRIP 160V - MILL DRIP CAP 16A-A	MCK DET KABA HAG FAL NAT NAT NAT
7	16	3 EA. 1 EA. 1 EA. 3 EA.	HINGES MPBT14 4 1/2 X 4 1/2 NRP- 26D OFFICE LOCKSET T511 X D X 2390137 X 5164 X 1 3/4- 626 WALL STOP WS40T-CCV-U532D SILENCER SR64- GR Y	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. 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.

**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:

- FOUR AND/OR FINISH THE CONCRETE FLOOR PER THE LATEST SPEC 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.

EUCUID HIGH PERFORMANCE EPOXY OR EQUAL

TORGINOL FB-27 '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.

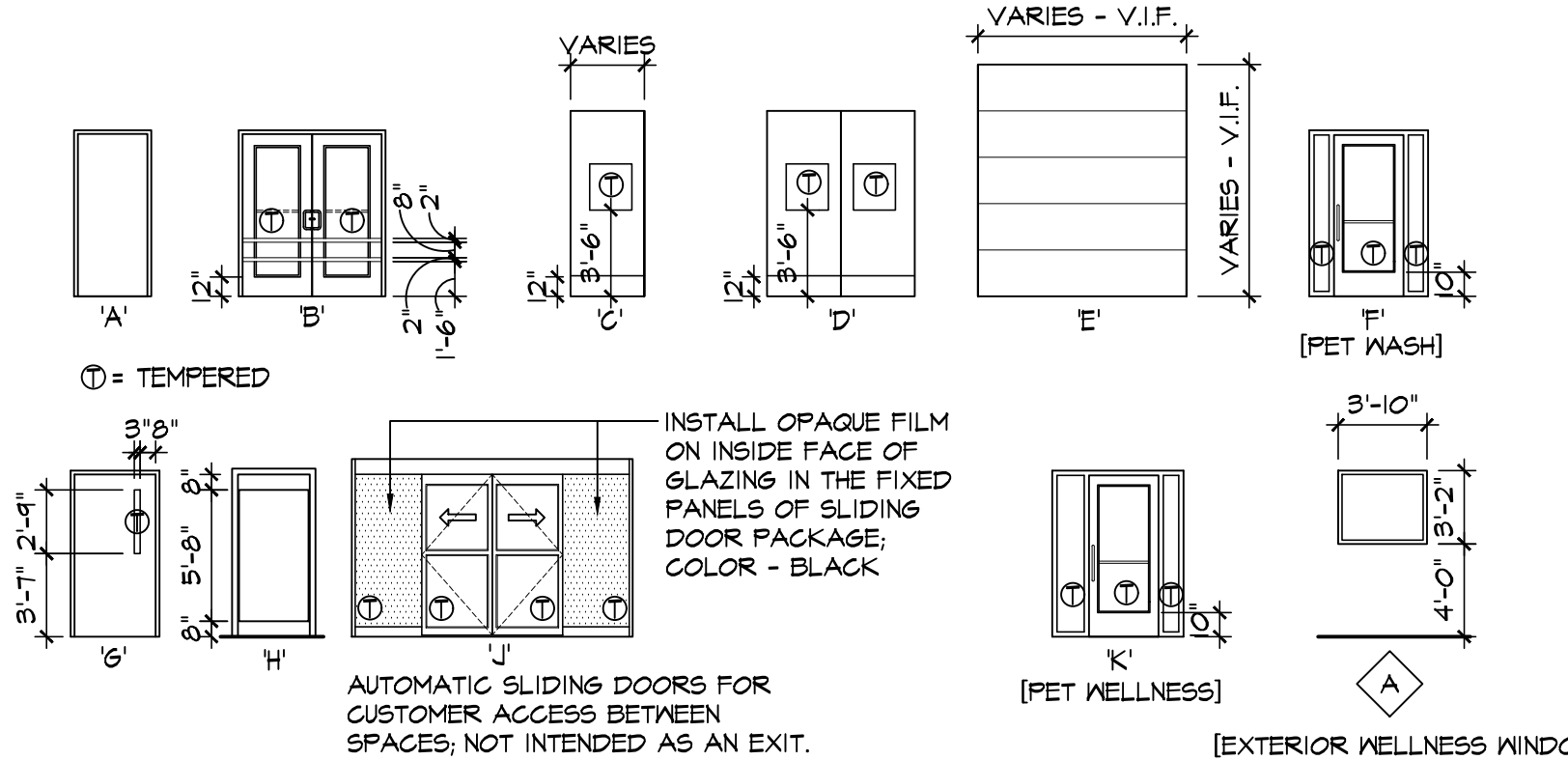
SECOND COAT: EUCUID HIGH PERFORMANCE CLEAR

THIRD COAT: EUCUID 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

[illegible]

## DOOR REMARKS (NOTES):

- 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 1010.1.2.
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 508" PANEL OVERLAP @ NEW MASONRY OPENING 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 SHEERS.
14. DOORS HAVE FLAT THRESHOLD PROVIDED BY DOOR MANUFACTURER.
15. THE CHANNELS THAT MAKE UP THE JAMBS AND HEAD FOR THE ROLLING SURFACE 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 1850 LB. POINT FORCE IN EITHER TENSION, COMPRESSION OR SHEAR.
16. PROVIDE AND INSTALL "EMPLOYEES ONLY" SIGN WHERE INDICATED.
17. W/ 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: PIPLUS, WITH 10' X 30" ADA COMPLIANT WINDOWS, 18" TALL BUMPERS. COLOR: RED. (OR) OPENINGS 96" X 120" TO BE: DURULITE TEMP. CLEAR 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 STYLE DOOR WINDOW GLASS TO ACCEPT 30.25" X 51.825" VINYL FILM.
20. ANEOSTAT WINDOW KIT WITH CLEAR TEMPERED 1/2" GLASS WITH GLAZING TAPE APPLIED (BOTH SHIPPED LOOSE). BY VENDOR #1.
21. CONTRACTOR TO PAINT FRAME SNTS15 SANDERLIT BOTH SIDES.
22. SPEC COMPATIBLE HARDWARE.
23. DOORS AND SELF-SUPPORTING FRAME SUPPLIED BY TSC; PROVIDED BY CONTRACTOR.
24. COORDINATE DOOR WITH VENDOR #1 AND MERCHNEY GREENHOUSES ON FRAME ORDER AND INSTALLATION.
25. DOOR AND FRAME BY VENDOR #1; INSTALLED BY CONTRACTOR.
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.
28. LOCATED WITHIN (1) HOUR FIRE RATED WALL ASSEMBLY.



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; <b>HOWEVER, ALL COATS MUST BE BACK-ROLLED.</b> 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 DOORFRAMES: 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, B542400 SERIES 3RD COAT: S-W INDUSTRIAL ENAMEL HS, B542400 SERIES (2.0 - 4.0 MILS DRY PER COAT) (APPLY AS NEEDED FOR COMPLETE COVERAGE)	
STOREFRONT FRAMING	CLEAR ANODIZED ALUMINUM	E.I.F.S. E.I.F.S. (ACCENT)	DRYVIT, #113 AMARILLO WHITE, SANDPEBBLE TEXTURE 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; <b>HOWEVER, ALL COATS MUST BE BACK-ROLLED.</b> 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)		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)	
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)		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	
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		EXPOSED CONDUIT IN RETAIL SALES AREA GC TO PAINT EXPOSED CONDUIT IN RETAIL SALES AREA TO MATCH INTERIOR WALL FINISH	
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)			
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 B63W01051 SERIES 3RD COAT: S-W PRO INDUSTRIAL WATERBASED ALKYD URETHANE ENAMEL B63W01051 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	FTD. C.M.U. / STOREFRONT	GYP. BD. CEILING PANELS @ 10'-0" A.F.F.	-	POLISHED CONC.	6, 9
102	RETAIL SALES	FTD. 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	FTD. GYP. / C.M.U. (SEMI-GLOSS, WHITE)	EXP. STRUCTURE FACTORY PRIMED (GRAY)	-	POLISHED CONC.	9
104	DRESSING ROOM	FTD. GYP. / C.M.U.	OPEN TO ACT ABOVE	VINYL	VINYL PLANK	2, 8
105	STOCKROOM	FTD. GYP. / C.M.U. / PLYWOOD (SEMI-GLOSS, WHITE)	EXP. STRUCTURE FACTORY PRIMED (GRAY)	-	NO WORK	9
106	CORRIDOR	FTD. GYP. / FRP	A.C.T. @ 8'-0"	VINYL	POLISHED CONC.	1, 4, 7, 9
107	MANAGER'S OFFICE	FTD. GYP.	A.C.T. @ 8'-0"	VINYL	POLISHED CONC.	1, 4, 9
108	EMPLOYEE LOUNGE	FTD. GYP.	A.C.T. @ 8'-0"	VINYL	POLISHED CONC.	1, 4, 9
109	MEN	FTD. GYP./C.M.U./ FRP	A.C.T. @ 8'-0"	VINYL	POLISHED CONC.	1, 4, 5
110	WOMEN	FTD. GYP./C.M.U./ FRP	A.C.T. @ 8'-0"	VINYL	POLISHED CONC.	1, 4, 5
112	PET WASH	FTD. GYP. / FRP / AL. MESH	ALUMINUM MESH SCREEN @ 10'-0"	EPOXY	EPOXY	
115	WELLNESS CLINIC	FTD. GYP.	A.C.T. @ 8'-0"	VINYL	VINYL PLANK	1, 2, 4, 10
--	WELLNESS CLINIC WAITING AREA	FTD. 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 FOUR 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 - Q4 2021

PM	STORE #	CITY/STATE	SO
X + REQUIRED			
O	C	R	E
X	X	1.	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 AND/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

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



Project No: 19962

Drawn By:

Date Issue  
6-10-22 PEPMT



PART I - GENERAL

1.01 QUALITY ASSURANCE

A.Concrete Supplier: A firm experienced in producing ready-mixed concrete that complies with ASTM C 94 requirements for production facilities and equipment. Comply with ACI 301, @Specification for Structural Concrete-9.0

1. Manufacturer certified according to NRMCA's @Certification of Ready Mixed Concrete Production Facilities.A certification shall not be more than twelve months old.

B.Testing Agency Qualifications: An independent agency, qualified according to ASTM C 1077 and ASTM E 824 for testing indicated, as documented according to ASTM E 548.

1. Personnel conducting field tests shall be qualified as ACI Concrete Field Testing Technician, Grade^I, according to ACI^CP-01 or an equivalent certification program.
2. Personnel performing laboratory tests shall be ACI-certified Concrete Strength Testing Technician and concrete Laboratory Testing Technician - Grade^I. Testing Agency laboratory supervisor shall be an ACI-certified Concrete Laboratory Testing Technician - Grade^II.

C.Concrete Contractor Qualification: Concrete Contractor shall include in their bid package to the General Contractor, a minimum of three similar and successful projects that clearly indicates the Concrete Contractor's ability to successfully perform the work and to achieve the interior sales floor slab tolerances required in this specification. The concrete contractor's team shall have participated in the majority of these projects, and that team shall remain the same through the duration of this project. Concrete Contractor's qualification shall be submitted as part of the bid package. Based on experience, the Owner has the right to reject the Concrete Contractor.

D.NOT USED

E.Concrete Sales Floor Pre-Installation Conference: At least 30 days prior to the start of the concrete slab construction, the General Contractor shall conduct a meeting to review the proposed concrete mix designs and to discuss the required methods and procedures to achieve the requirements of this specification. The General Contractor shall send a pre-concrete conference agenda to all attendees 10 days prior to the scheduled date of the conference.

1. The General Contractor shall require responsible representatives of every party concerned with the concrete work to attend the conference, including, but not limited to the following:
- a. General Contractor: Project Manager and Superintendent
- b. Testing Agency: Responsible for concrete mixes, quality control, floor tolerance testing, etc.
- c. Ready-mix Concrete Producer: Concrete mix discussion
- d. Concrete Contractor
- e. Chemical Admixture Manufacturer
- f. NOT USED
- g. NOT USED
- h. NOT USED

2. Minutes of the meeting shall be recorded, typed and printed by the General Contractor and distributed to all concerned parties, including the Owner, Architect, Structural Engineer and Tractor Supply Project Manager, within three days of the meeting.

3. The minutes shall include a statement by the Concrete Supplier stating that the proposed concrete mix designs will produce the concrete quality required by these specifications.

4. The minutes shall include a statement by the Concrete Contractor that the proposed concrete mix designs will provide appropriate workability and setting times, to ensure that the concrete contractor can achieve the requirements of this specification.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Concrete materials:

1. Portland Cement: ASTM C^150/ C150M, Type^I, Type II or Type I/II. Use one brand of cement throughout the project.
2. Coarse and Fine Aggregates: ASTM C 33. Combined aggregate gradation for slabs on grade and other designated concrete shall be 8% - 18% for large top size aggregates (1½") or 8% - 22% for smaller top size aggregates (1" or ¾") retained on each sieve below the top size and above the no. 100 sieve. Slabs on grade shall have a maximum aggregate size of 1½" footings and piers 1" and beams ¾".
3. Water: complying with ASTM^C^14.
4. Air-Entraining Admixture (Interior Concrete): Air-entraining admixture shall not be used on interior concrete.
5. Air-Entraining Admixture (Exterior Concrete): ASTM C-260. Admixture manufacturer shall provide written certification that the air-entraining admixture is compatible with other required admixtures. All exterior slabs shall be air-entrained (4% - 6%).
6. Water-Reducing Admixture: ASTM C444, Type A containing not more than 0.05% chloride ions.
7. Water-Reducing, Retarding Admixture: ASTM C444, Type D containing not more than 0.05% chloride ions.
8. High Range Water-Reducing Admixture (Superplasticizer): ASTM C444, Type F or G containing not more than 0.05% chloride ions.
9. Water-Reducing, Non-Corrosive Accelerating Admixture: ASTM C444, Type C or E containing not more chloride ions than are present in municipal drinking water. The admixture manufacturer must have long-term, non-corrosive test data from an independent testing laboratory (of at least a year's duration) using an acceptable accelerated corrosion test method such as that using electrical potential measures.

10.Prohibited admixtures:

- a. Calcium chloride or admixtures containing more than 0.05% chloride ions are not permitted.
- b. Flyash is only permitted in exterior concrete in areas known for Alkali Silica Reactivity (ASR).
11. Macro-Synthetic Fibers (Exterior Concrete): Comply with ASTM C1116. "Structural^A Fibers shall be a patented coarse monofilament, self-fibrillating, polypropylene/polyethylene fiber with a minimum tensile strength of 75ksi and minimum length of 2 inches.

B. Related Materials:

1. Evaporation Retarder: Waterborne, monomolecular film forming, manufactured for application to fresh concrete.
2. Interior Curing: ASTM C-304 with a maximum VOC content of 350g/l. The interior sales floor slab shall be cured using a reduced odor, dissipating or removable liquid membrane forming curing compound.
3. Interior Liquid Densifier / Sealer: Sodium silicate containing at least 24% solids by weight. Manufacturer of liquid densifier and sealer must be contacted prior to bidding for pricing and application requirements.
4. Interior Semi-Rigid Polyurea Joint Filler: Comply with ACI 302, shall be a two (2) component, 100% solids, UV Resistant compound, with minimum shore @AA hardness of 80, Color to match adjacent concrete surfaces
5. Exterior Curing: ASTM C 1315 with a maximum VOC content of 100 g/l. All exterior concrete slabs shall be cured using a liquid membrane-forming curing compound.
6. Exterior Urethane Joint Sealant: ASTM C 920-86, Type 5, Grade NS, and Class 25 Industrial gun grade polyurethane sealant shall exhibit a shore @AA hardness of 40 and an elongation of 250%.

2.02 CONCRETE MIXES

- A.Comply with ACI 301 requirements for concrete mixes.
- B.Concrete mixes shall be proportioned according to ACI 301, for normal-weight concrete determined by either laboratory trial mix or field test data.
- C.Compressive strength (28 days), 4000 psi, with a maximum water/cement ratio of .53, unless otherwise indicated on the drawings. Concrete materials included in the mix design shall be the same materials provided to the project, and shall be prepared by an independent testing laboratory approved by the Owner. Per ACI requirements, if sufficient backup data is not available, the laboratory mix shall exceed the desired job strength of concrete by 1,200 psi. Four copies of the mix shall be submitted to the Owner before concrete work begins.
- D.Slump: Concrete shall have a maximum slump of 5½" for the interior sales floor slab and exterior @side yard^A Unless indicated on drawings, all other concrete shall not exceed a 4" slump.
- E.Macro-synthetic fiber addition: All exterior concrete shall contain the specified macro-synthetic fiber used at a rate of no less than 3.0 lbs/cubic yard. Actual fiber dosage may vary based on job-site conditions and shall be calculated by strength equivalency to conventional reinforcement requirements. Required information may include, but not be limited to site prep, subbase and concrete properties, curing and loading conditions. Fibers may be added at plant location or job-site and shall be mixed in concrete for a minimum of 4 minutes.
- F.Adjustment to Concrete Mixes: Mix adjustments may be requested by the General Contractor when characteristics of materials, job conditions, weather, test results or other circumstances warrant; at no additional cost to the Owner and as accepted by the Owner. Laboratory test data for revised mix and strength results must be submitted to and accepted by the Owner prior to work. Both Concrete Testing and Inspection Agency and Concrete Contractor shall verify that the concrete mix design will produce a concrete which will meet the specifications for this project. In addition, the General Contractor and Concrete Contractor shall verify that the workability, finishability and setting times are appropriate for concrete installations. Placement shall be made by concrete truck chute. If concrete pumping is required, the proportions established above shall not be altered to suit the

capabilities of the pumping equipment. For concrete containing macro-synthetic fibers, additional water reducer may be necessary. The addition of water is not permitted into concrete mixture after addition of macro-synthetic fibers.

G.Interior Concrete: Concrete shall be designed to meet 4000 psi compressive strength @ 28 days and exhibit <0.04% shrinkage @ 28 days. The mix shall contain approximately 12 cubic feet of #467 aggregate (1-1½" top size), the specified water reducing admixture and achieve a w/cm ratio of 0.53 (max.). Air-entrainment is prohibited. Proposed mix design shall be similar to the following:

Interior Sales Floor Prototype mix:	
Materials	Prototype mix
Cement	517-564lbs.
Fly ash/slag	Prohibited
Coarse aggregate	12 cubic feet +/- .50 (#467 stone)
Fine aggregate	7 cubic feet +/- (adjust as necessary)
Water content	250 - 300lbs.
Air content (Entrapped Air Only)	3.0% (max.)
Water Reducer (Type A/F)	3oz.-10oz./100wt +/- (Mid-Range)
W/cm	0.53 (max.)
Initial slump (water)	3"
Final slump (with water reducer)^5.5" (max.)	
Maximum Shrinkage	<0.04% @ 28 days

H.Exterior Concrete: Concrete shall be designed to meet 4000 psi compressive strength @ 28 days and exhibit <0.04% shrinkage @ 28 days. The mix shall contain approximately 12 cubic feet of #467 aggregate (1½" top size), the specified water reducing admixture and achieve a w/cm ratio of 0.53 (max.). Air-entrainment shall be as specified. Proposed mix design shall be similar to the following:

Exterior Side Yard Prototype mix:	
Materials	Prototype mix
Cement	517-564lbs.
Fly ash/slag	Prohibited, Except in areas of known Alkali Silica Reactivity
Coarse aggregate	12 cubic feet +/- .50 (#467 stone)
Fine aggregate	7 cubic feet +/- (adjust as necessary)
Water content	250 - 300lbs.
Air content (Entrained Air)	6.0% (max.)
Water Reducer (Type A/F)	3oz.-10oz./100wt +/- (Mid-Range)
W/cm	0.53 (max.)
Initial slump (water)	3"
Final slump (with water reducer)	5.5" (max.)
Macro Synthetic Fiber	3 lbs / cubic yard (min.)
Maximum Shrinkage	<0.04% @ 28 days

PART 3 - EXECUTION

3.01 INSTALLATION (GENERAL)

A.Formwork: Design, construct, erect, shore, brace, and maintain formwork according to ACI^301.

1. Form Work: Form all slabs, stairs and other formed concrete with metal forms or ¾" plywood. For exposed surfaces use forms with an undamaged face. Form ties used shall be snap ties. Concrete release agent shall be a VOC compliant, light viscosity, non-staining oil.

B.Vapor Retarder: ASTM E 1643 (if indicated on drawings): Install, protect, and repair vapor-retarder sheets; place sheets in position with longest dimension parallel with direction of pour.

1. Plastic vapor retarder for concrete floor slab shall be 6-mil (minimum) polyethylene. Seal vapor retarder completely around all pipes and conduits. Inspect vapor retarder thoroughly and repair all punctures and tears immediately prior to placing concrete. All laps shall be 18" minimum, and sealed with a completely continuous pressure sensitive tape.

C.Steel Reinforcement (if indicated on drawings): Comply with CRSI's @Manual of Standard Practice^A for fabricating, placing, and supporting reinforcement.

1. Do not cut or puncture vapor retarder. Repair damage and reseal vapor retarder before placing concrete.
2. Install all anchors, ties, chairs and other supports as requested to insure reinforcing is supported at proper locations. All reinforcing shall be wired in place using #16 annealed wire. Wood or clay brick chairs are not acceptable.
3. Welded wire fabric mesh (if indicated on drawings) shall be lapped a minimum of 6" at side laps and secured with tie wires no more than 4 feet on center.

3.02 CONCRETE PLACEMENT

A.Carbon Monoxide / Carbon Dioxide Exposure: If the building is enclosed/sales floor slab is placed last, General Contractor shall be responsible for monitoring sales floor exposure to excessive exhaust gases containing carbon dioxide (CO2) or carbon monoxide (CO). To minimize potential damage to interior concrete floor during slab placement and curing periods, maximum CO2 levels shall be 4500 parts per million and maximum CO levels shall be 15 parts per million at concrete surface within 5 feet of any source of exhaust gases. Unvented combustion heaters shall not be in operation during concrete placement, and equipment inside the building during concrete placement shall be limited to the equipment necessary to place and finish concrete. Only one concrete truck shall be in the building at any given time, and under no circumstance shall there be any earth moving equipment, dump trucks, grading equipment, or any other motorized equipment in operation until after the interior concrete floor is placed and protected by specified curing method.

B.Comply with requirements in ACI^301 for measuring, mixing, transporting, and placing concrete.

1. Install crushed stone base to the minimum compacted thickness as indicated on the construction documents. Crushed stone shall be compacted to 98% Modified Proctor density in accordance with ASTM D 1557. The in-place density shall be tested for compliance no more than 48 hours prior to concrete placement using ASTM D 1556, ASTM D 2167, or ASTM D 2922. One copy of test results shall be forwarded to the Owner.
2. Cooperate with all other trades. Confer with electrical, mechanical, plumbing, carpenters, steel workers, etc. Make sure that all sleeves, anchor, insert, conduit, floor boxes, pipes, fittings, and other items are installed before placing concrete. Make provisions for door saddles, and thresholds.
3. The General Contractor shall ensure the accuracy placement and alignment of all under-slab work. The placement of all boxes shall be square, level and true in all respects.
4. Concrete shall be mixed and delivered in accordance with the requirements of ASTM C 94.

C.Comply with ACI 305, @Hot Weather Concrete^A and ACI 306, @Cold Weather Concrete^A for protection during placing, finishing and curing.

D.Form-Release Agent: Coat all removable wood and metal forming with a VOC compliant, non-staining, concrete form-release agent and allow excess liquid to drain off before forms are placed.

E.Transport: Place at point of use and consolidate with a concrete vibrator. Do not allow concrete to segregate. Maximum free fall for concrete is 3 feet. A vibrator is required for placement of concrete in walls, piers, footings and slabs.

F.Concrete Placement: Place on firm, undisturbed earth or properly compacted fill. Consolidate without segregation, by vibrating. Do not place concrete when temperature is 40°F and falling or when freezing weather is predicted within 24 hours.

1. Place concrete within the minimum temperature range as specified in ACI 301

2. Protect concrete as required in ACI 301

3. Concrete shall not contain Type III, high early strength cement, calcium chloride, corrosive accelerators or antifreeze.

4. Concrete shall be placed before initial set has occurred and in no event after it has contained its water content for more than 1½ hours.

5. Unless otherwise specified, all concrete shall be placed upon clean, damp, smooth surfaces that are free from running water. Subgrade and base shall be properly consolidated and rut-free.

6. Concrete shall not be placed upon soft mud or dry porous earth. The concrete shall be consolidated and worked, in an approved manner, into all corners and angles of the forms and around reinforcement and embedded fixtures in such a manner as to prevent segregation of the coarse aggregate as required in ACI 301.

G.Carefully protect all masonry and metal building walls by covering with waterproof paper while concrete is placed.

H.Water may be added in accordance with ASTM C 94. Water shall only be added at the job site under the direct supervision of a representative from the field quality control testing agency. Do not add more water than is indicated as allowable on the batch ticket (0.53 w/c ratio max). Water added at the job site shall be documented on the batch ticket.

3.03 FORMED SURFACE FINISHES

A.Rough-Formed Finish: As-cast concrete texture imparted by form-facing material with tie holes and

defective areas repaired and patched, and fins and other projections exceeding ¼" in height shall be rubbed down or chipped off.

1. Apply to concrete surfaces not exposed to public view.

B.Smooth-Formed Finish: As-cast concrete texture imparted by form-facing material, arranged in an orderly and symmetrical manner with a minimum of seams. Repair and patch the holes and defective areas. Completely remove fins and other projections. All exposed concrete walls are to be grouted and hand rubbed.

1. Apply to concrete surfaces exposed to public view or to be covered with a coating or covering material applied directly to concrete, such as waterproofing, damp-proofing, veneer plaster, or painting.
2. Do not apply rubbed finish to smooth-formed finish.
3. Apply smooth-rubbed finish, defined in ACI^301, to smooth-formed finished concrete.

C.Related Unformed Surfaces: At tops of walls, horizontal offsets, and similar unformed surfaces adjacent to formed surfaces, strike off smooth and finish with a texture matching adjacent formed surfaces. Continue final surface treatment of formed surfaces uniformly across adjacent unformed surfaces, unless otherwise indicated.

3.04 CONCRETE FINISHES AND TOLERANCES

A.General: Unless otherwise noted by Owner, concrete sales floor slab shall be cast in one continuous placement. Concrete shall be placed, screeded, re-straightened, and finished as necessary to meet the FF and FL tolerance requirements. Interior machine trowel finish shall be achieved within a 2'-3" tolerance of all walls, columns and partitions. Do not wet concrete surfaces while finishing concrete.

1. Laser screeds (required), vibratory screeds, highway straightedges and wood or resinous bull floats shall be used to initiate screeding and floating process to form a uniform and open-textured surface plane before excess moisture or bleed water appears on the surface. A back-up laser screed is required during concrete placement of the interior sales floor slab. Remove excess water before starting floating operations. Do not further disturb surfaces before starting finishing operations.
2. Highway straightedge operations shall continue before, during and after troweling operation, until the minimum specified floor tolerance is achieved.
3. Trowel finish with trowel machine equipped with adjustable blades. Trowel the surface sufficiently to produce a smooth, light, abrasion resistant surface. Care shall be taken not to overwork or burn the surface. Use 6" wide finish style steel-reinforced blades on final passes. Finishing blades shall be in new condition and completely clean of any deleterious materials.

- a. Sales floor slab:
- a1. Trowel the surface in multiple passes, without burning the surface or burning the aggregate.
- a2. Large aggregate should not be close to the surface of the concrete so as to be exposed during the polishing process.
- a3. Do not dust the finish surface with dry portland cement or sand to accelerate curing and drying.
- a4. Expectations for sales floor slab -finished appearance: gray color slab that is smooth finish, uniform in texture, appearance, color/zone and free of any trowel marks, holes, surface scores, staining and other similar imperfections. Care shall be taken where hand troweling is required at poles, formed
- a4. Edges, columns, etc., in order to ensure a proper finish and that these areas are not depressed or chattered.

4. Protection: Care shall be taken to protect the interior sales floor. Entrances shall include clean floor mats to prevent mud stains and all equipment on the floor shall be diapered to prevent spills. Cutting oils are not allowed on the sales floor slab at any time during the construction process.
5. Trowel finish (other than sales floor): Apply a hard trowel finish to surfaces indicated and to floor and slab surfaces exposed to view or to be covered with resilient flooring, carpet, ceramic or quarry tile set over a cleavage membrane, paint, or another thin-film-finish coating system.
6. Heavy broom finish: Side yard, main entry and exit vestibules, cart storage, ramps, aprons and walks shall receive a heavy broom finish.

B. NOT USED

C.Tolerances: ACI 117, @Specifications for Tolerances for Concrete Construction & Materials^A The General Contractor is responsible for all costs associated with floor tolerance testing. A copy of the final floor tolerance report shall be provided by the General Contractor to Owner and Tractor Supply Company within 24 hours of receiving the report from the testing laboratory.

1. All perimeter areas and edges of the interior sales floor shall exhibit the same final finish.

Location	FF Tolerance	FL Tolerance	Notes
Interior Sales Floor	35	25	ACI 302; Type 5, Single Course, Hard Steel Trowel
Finish Exterior Concrete	20	17	Floated and/or Broomed Surfaces

3.05 CAST-IN-PLACE CONCRETE JOINTS

A.General: Joints shall be cut as indicated on Drawings, and as soon as the slab will support the weight of the saw and operator and when cutting action will not tear, abrade or otherwise damage the concrete surface. Cuts must be made before concrete develops random contraction cracks. Employ sufficient number of saws and workers to complete cutting of saw joints within 2 hours after final finish of interior floor slab. After saw cutting, immediately vacuum up and remove all residues completely.

1. Construction Joints:

- a. Construction joints shall be true to line with faces perpendicular to surface plane of concrete (refer to drawings), so as not to impair strength or appearance of concrete
- b. Construction joints in slab on grade shall be butt joints with square plate dowels. Do not use metal keyways.
2. Isolation Joints: Install joint-filler strips at junctions with slabs-on-grade and vertical surfaces, such as column pedestals, foundation walls, grade beams, and other locations, as indicated.
- a. Extend joint fillers full width and depth of joint, terminating flush with finished concrete surface, unless otherwise indicated.
3. Control Joints: Form weakened-plane control joints, sectioning concrete into areas as indicated:
- a. All saw cutting shall be accomplished with a @Soff-Cut^A saw, by Husqvarna Construction Products (800-288-5040), equipped with a patented color-coded, diamond blade and skid plate in new condition. Concrete Subcontractor must have documented successful experience in the use of this method prior to this project. Using a 1/8" thick blade, cut the interior sales floor slab a minimum of 1" deep for 4" thick slabs and 1½" for 5" thick slabs. Chalk lines and concrete dust shall be removed completely and immediately after cutting operation.
- b. Random depth checks shall be performed by an independent testing company to confirm that the specified depth of cut is made. Any cut(s) found to be less than proper depth shall be re-cut to the proper depth and filled with specified joint filler at the General Contractor's expense.

3.06 INTERIOR SALES FLOOR PROTECTION AND CURING

A.Protection: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply with ACI 305 for hot-weather protection and ACI 306 for cold-weather protection during placing and curing. For concrete placement during hot, dry and windy conditions, General Contractor shall use the specified evaporation retarder as per manufacturer instructions to maintain a moist condition and to minimize plastic drying shrinkage cracking.

B.Interior Sales Floor Slab Protection: Take the following measures to protect the interior sales floor.

1. General contractor to submit to Tractor Supply a site specific slab protection plan prior to start of any work being performed on floor surfaces planned for the polished concrete floor finish.
2. General contractor to protect concrete slab as required below for all polished concrete areas:
- a. Do not allow vehicles and prohibit parking of vehicles on concrete slab.
- b. Do not allow construction materials, equipment or tools on unprotected floor.
- c. No food or drink allowed on slab from placement until turnover to owner.
- d. Protect floor from paint overspray / dryfall.
- e. Place skids or shipping containers on protective covering to prevent direct contact with the floor.
- f. In construction equipment must be used on the floor, diaper any components that might drip oil, hydraulic fluid or other liquids.
- g. Ensure no tire embeddings (rocks, nails, screws, etc.) that will scratch or pit slab surface.
- h. Prohibit pipe cutting using pipe cutting machinery on concrete slab.
- i. Prohibit temporary placement and storage of steel members on concrete slab.
- j. Prohibit acids and acidic detergents from contacting concrete surfaces.
- k. Cover concrete floors with drop cloths, or use breathable drop cloths during painting, if paint is spilled on concrete floor, remove paint immediately.
- l. Do not use any marking materials that will stain the concrete.
- m. Floor sweeping compounds are not recommended, but if used must be petroleum-free.
- n. Cleaning of finished polished concrete floor surfaces should only use either white pads or very soft nylon brushes on auto scrubbers.
- o. If cleaning chemicals are used, they must be ph-neutral.

- p. Provide non-marking tires on rubber tired vehicles or equip rubber tires with tire boots made of nylon fabric.
- q. Provide mats at all entrances to prevent mud stains.
- C.Interior Concrete Curing: The interior sales floor slab shall be cured using the specified dissipating or removable liquid membrane-forming curing compound. All applications shall be made by an approved applicator of the manufacturer immediately following final finish. The concrete and air temperature shall be above 50°F. Surface shall be damp, but not wet and can no longer be marred by walking workmen. All work to comply with ASTM C-304.
- D. Exterior Concrete Curing: All exterior concrete slabs shall be cured using the specified liquid membrane-forming curing compound. Application shall be made by an approved applicator of the manufacturer immediately following final finish. Concrete and air temperature shall be above 50°F. Surface shall be clean and damp, but not wet and can no longer be marred by walking workmen. All work to comply with ASTM C 1315.

3.07 INTERIOR CONCRETE JOINT FILLER, LIQUID DENSIFIER / SEALER AND POLISHING PROCESS

A.General: Do not commence installation of semi-rigid polyurea joint filler, liquid densifier / sealer and polishing processes until the building is completely enclosed, permanent power and lighting is operating and the building is thermostatically controlled. Installation of these materials shall commence approximately two weeks prior to @Fixture date^A.

B.Mechanically grind and polish floor surface with a 400 grit resin diamond followed by 800 grit diamond pad burnish for a mild level glass. 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.

3.08 URETHANE EXPANSION JOINT SEALANT APPLICATION - EXTERIOR BUILDING ONLY (NOT AT FLOOR SLAB)

A.Urethane Joint Sealant Application:

1. Apply joint sealants in accordance with manufacturer's written instructions.
2. Back-up material:
- a. Install appropriate size backer rod, larger than the joint where necessary per manufacturer's recommendations and in a manner to provide concave sealant profile
- b. Where joint depth does not permit installation of backer rod, install adhesive-backed polyethylene bond-breaker tape along the entire back of joint to prevent 5-sided adhesion of joint sealant.
3. Sealant: Verify that the temperature and moisture conditions are within manufacturer's acceptable limits. Using fresh sealant and equipment that is in proper working order, completely fill joint with sealant, filling from bottom up to avoid entrapping air.
4. Using clean, dry tool with rounded edge and of appropriate width for each joint, tool freshly installed sealant to provide preferred concave profile, to ensure intimate contact between sealant and substrate and to provide neat appearance. Where surface aggregate does not permit proper tooling, install sealant and backer rod so that face of joint is recessed behind exposed aggregate and sealant is bonded to firm, even surface. Use dry tooling method. Do not use tooling agents such as soapy water or tooling agents that have not been approved by sealant manufacturer.

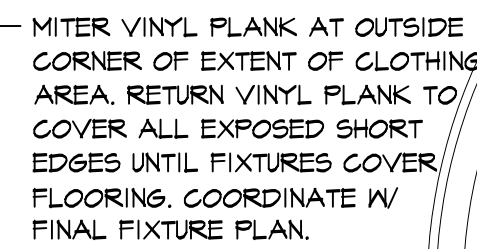
UNLESS OTHERWISE NOTED BY TSC, CONCRETE FLOOR SLAB SHALL BE CAST AS ONE CONTINUOUS POUR. CONTRACTOR SHALL PROVIDE TERMITE PROTECTION. APPLY TERMITICIDE TO SUB-BASE BEFORE CONCRETE IS POURED. PROVIDE ONE GALLON OF DILUTED TERMITICIDE PER 10 SQUARE FEET OF SLAB AREA. APPLY AN ADDITIONAL 2-4 GALLONS PER 10 LINEAR FEET AT THE FOUNDATION PERIMETER.

NOTE: THIS SPEC IS WRITTEN AROUND ASTM STANDARDS. GENERAL CONTRACTOR AND DEVELOPER SHALL BE RESPONSIBLE FOR OVERALL QUALITY OF PRODUCTS SELECTED AND WORKMANSHIP OF SLAB.

ARCHITECT AND CONTRACTOR TO PAY SPECIAL ATTENTION TO ACHIEVE DESIGN THAT PREVENTS THE CONCRETE FROM HEAVING AT ALL DOORWAYS ESPECIALLY IN COLD WEATHER LOCATIONS.

NOTE: FORAGE SHED SLAB FINISH SHALL BE ROUGH BROOM.

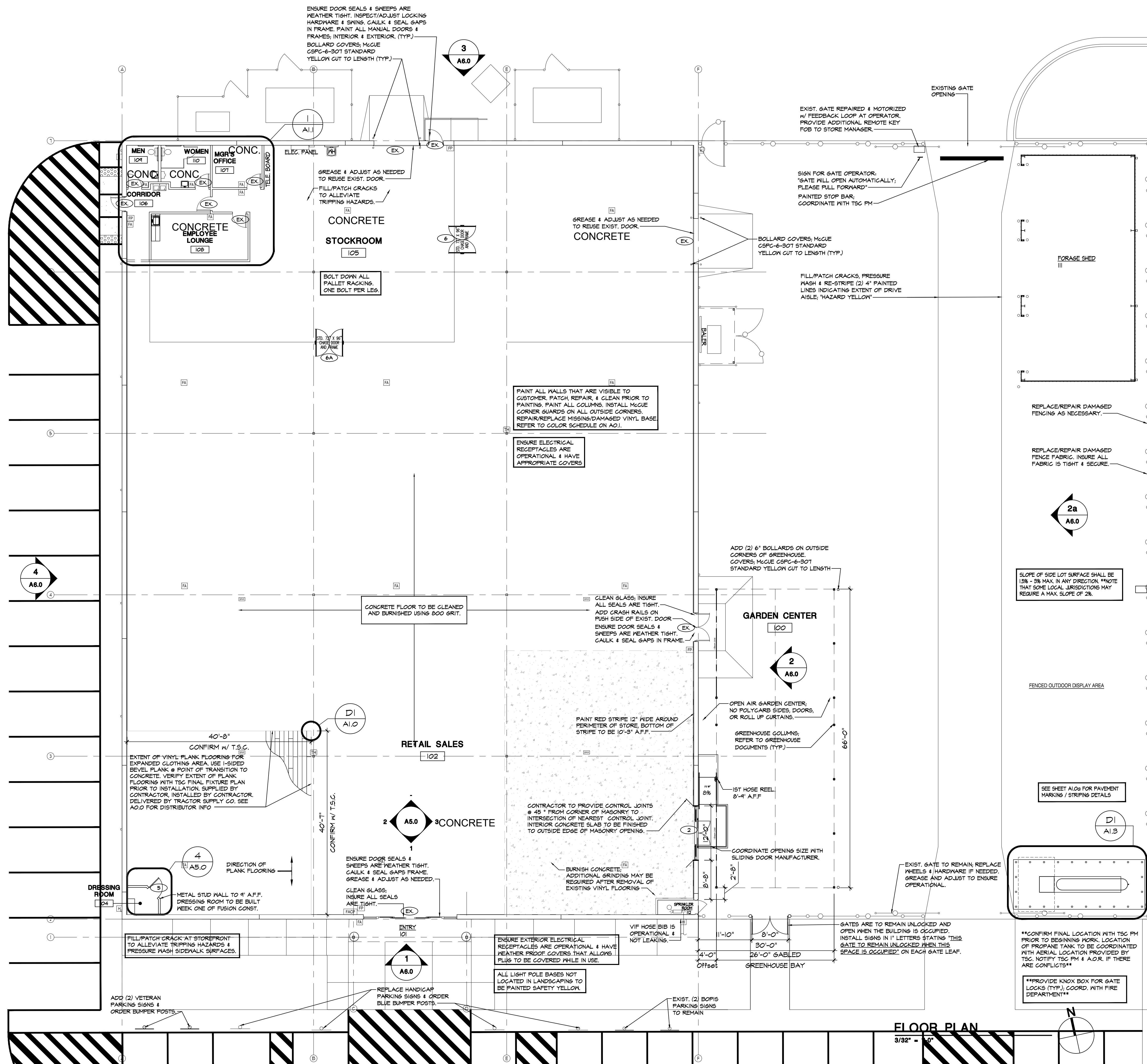




**N.T.S.**

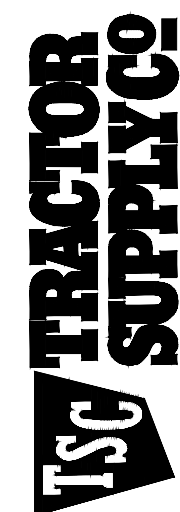
**N.T.S.**

PARKING SPOT SIGNS				
BOPIS SHED	DRIVE THRU	FEED BUILDING	SIGNS	NOTES
NO	NO	NO	NO CHANGES FOR CONSTRUCTION	BOPIS PARKING SIGNS MAINTAINED IF EXISTING
NO	YES	NO	NO CHANGES FOR CONSTRUCTION	BOPIS PARKING SIGNS MAINTAINED IF EXISTING
YES	NO	NO	INSTALL 2 POST SIGNS IN FRONT OF GREENHOUSE. REMOVE BOPIS PARKING SIGNS FROM OLD POSTS AND PLACE ON NEW POSTS.	VERTERAN PARKING SIGNS PLACED ON ORIGINAL BOPIS POSTS.
NO	YES	YES	INSTALL 2 POST SIGNS IN THE DRIVE THRU / FEED STOP HERE" & "EXIT". INSTALL THANKS FOR SHOPPING" SIGN OUTSIDE OF FOD	BOPIS PARKING SIGNS MAINTAINED IF EXISTING
YES	YES	YES	INSTALL 3 POST SIGNS IN THE DRIVE THRU ("BOPIS STOP HERE", "FEED STOP HERE", & "EXIT"). INSTALL THANKS FOR SHOPPING" SIGN OUTSIDE OF FOD	VERTERAN PARKING SIGNS PLACED ON ORIGINAL BOPIS POSTS.
YES	YES	NO	INSTALL 2 POST SIGNS IN THE DRIVE THRU ("BOPIS STOP HERE" & "EXIT"). INSTALL THANKS FOR SHOPPING" SIGN OUTSIDE OF FOD	VERTERAN PARKING SIGNS PLACED ON ORIGINAL BOPIS POSTS.



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**FUSION / SIDE LOT**  
**COMBO PROJECT**

STORE #550  
5359 WEST US HWY 90  
LAKE CITY, FL 32055

Project No.:	19962
Drawn By:	RJ
Date	Issue
6-10-22	PERMIT

## A1.0

## FLOOR PLAN



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FUSION / SIDE LOT  
**COMBO PROJECT**  
STORE #550  
5369 WEST US HWY 90  
LAKE CITY, FL 32055

Project No: 19982  
Drawn By:  
Date Issue  
6-10-22 PEP/MT

A1.0a

EXTERIOR  
SPECIFICATIONS

- OUTDOOR DISPLAY FIXTURE INSTALLATION GUIDELINES
1. VERIFY WITH THE STORE MANAGER THAT ALL RACKS ARE PROPERLY BUILT AND POSITIONED.
  2. DRILL HOLES FOR ANCHOR. ( NOTE: WE ARE TOLD THE HOLE IN FOOT OF THE RACK LEF IS 1/2" HOWEVER IT MAY VARY. WE ALLOW THE GC TO DETERMINE BEST SIZE AND FIT IN THE FIELD).
  3. BOLT DOWN WITH ANCHOR BOLTS PER MANUFACTURER'S SPECIFICATIONS.
  4. SWEEP UP DRILLINGS AND ANY OTHER MATTER.

EXTERIOR PENETRATIONS:  
FLASH, DRAFT-STOP AND INSULATE AROUND ALL PENETRATIONS INCLUDING, BUT NOT LIMITED TO: PLUMBING PIPES AND VENTS, ELECTRICAL WIRES AND CONDUITS, ELECTRICAL FIXTURES , OTHER MECHANICAL SERVICES, AND, IN SOME CASES, STRUCTURAL MEMBERS WITH A NON-DELETERIOUS ELASTOMERIC SEALANT, CAULK, FOAM, PAINT, ADHESIVE OR EFFECTIVE GASKET THROUGHOUT THE BUILDING ENCLOSURE. CHOOSE APPROPRIATE INFILL MATERIAL(S) AS REQUIRED. DO NOT EXCEED MANUFACTURERS PUBLISHED TOLERANCES FOR MAXIMUM OPENING SIZES TO INFILL. REFER TO ASTM C1193 FOR A STANDARD GUIDE FOR USE OF JOINT SEALANTS. **NO CLEAR SEALANTS.** PROVIDE EXPANSION JOINT SEALANT WHERE APPLICABLE. SEE DETAIL 12/A-5 AND DETAIL 13/A-5.

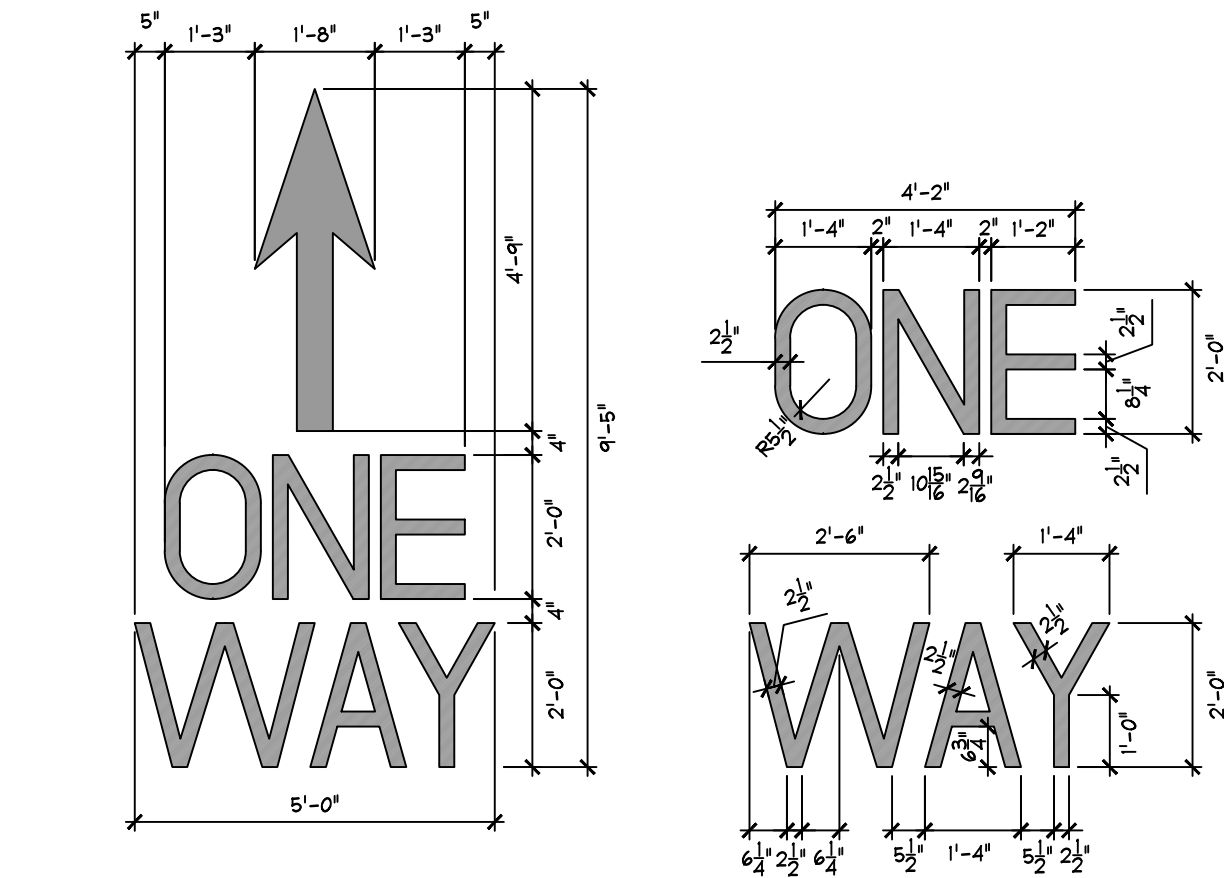
- STANDARD CRITERIA PLAN FOR FORAGE SHED IF REQUIRED BY TSC
1. METAL EXTERIOR/ STRUCTURAL STEEL BUILDING UNLESS CODE REQUIRES OTHERWISE, EXTERIOR COLOR SHOULD MATCH THAT OF THE MAIN RETAIL BUILDING.
  2. BUILDING DIMENSIONS SHOULD BE 50' WIDE BY 25' DEEP.
  3. ROOF DECK SHOULD BE 14'-4" A.F.F. AT THE LOWEST POINT. ROOF SHOULD SLOPE FROM FRONT TO REAR WITH GUTTERS AND DOWNSPOUTS MATCHING EXTERIOR COLOR.
  4. FLOOR SURFACE OF EITHER BROOM-FINISHED CONCRETE OR AN EVEN UNBROKEN ASPHALT WITH ADEQUATE DRAINAGE AWAY FROM THE BUILDING. MUST BE ABLE TO WITHSTAND FORKLIFT USE AND ADEQUATE TO SUPPORT PRODUCT WEIGHT.
  5. TWO 18'-0" WIDE x 12'-0" TALL DOOR OPENINGS. NO DOORS ARE REQUIRED UNLESS DIRECTED BY GOVERNING AUTHORITIES OR AS BY THE TSC CONSTRUCTION MANAGER.
  6. USE OF EITHER BOLLARDS OR HIGHWAY RAILS AT ALL DOORS AND ON ALL CORNERS OF BUILDING EXPOSED TO FORKLIFT OR CUSTOMER TRAFFIC.
  7. SEE DETAILS 1-5/A1.2

- CHAIN LINK FENCE SPECIFICATIONS:
1. FABRIC: 96" 9 GA. GALVANIZED (2" MESH) CHAIN LINK FABRIC.
  2. TOP & BOTTOM RAIL: 1 5/8" O.D. FULL WEIGHT PIPE, 2.27 LBS. PER FOOT (MIN). TOP RAIL TO BE JOINED WITH 1 5/8" SLEEVE. BOTTOM RAIL @ 18" ABV. GRADE.
  3. LINE POST: 2 1/2" O.D. FULL WEIGHT PIPE, 3.65 LBS. PER FOOT (MIN). LINE POST TO BE SET 10' ON CENTER MAX. SPACING. CONCRETE FOOTING TO BE 8" DIA. BY 30" DEEP CONC.
  4. TERMINAL POST: 3" O.D. FULL WEIGHT PIPE, 5.74 LBS. PER FOOT (MIN). SET IN 8" DIA. BY 36" DEEP CONC. FOOTING.
  5. GATE POST: 4" O.D. FULL WEIGHT PIPE, 9.10 LBS. PER FOOT (MIN). 8" DIA. 36" DEEP CONC. FOOTING.
  6. GATES: (5-6): (4) 10 FOOT SWINGING CHAIN LINK GATES AND (1-2) 4 FOOT SWING GATE(S), WITH FRAMEWORK OF 1 5/8" FULL WEIGHT PIPE, 2.27 LBS. PER FOOT (MIN). GATES BRACED AND TRUSSED AS NECESSARY. SAME FABRIC AS FENCE. SEE PLAN FOR WIDTH.
  - 6A. SWING GATES: DESIGN AS PER THE MANUFACTURERS DESIGN STANDARDS. GATES SHALL BE MANUALLY OPERATED SWINGING. MAXIMUM DISTANCE BETWEEN BOTTOM OF GATE AND FINISH GRADE TO BE 10".
  7. TENSION WIRE: 7 GA. COIL SPRING GALVANIZED TENSION WIRE ATTACHED TO BOTTOM OF FENCE FABRIC WITH 9 GA. ALUM. HOG RING SPACED 24" ON CENTER.
  8. FITTINGS: HEAVY BRACED BAND AND CARRIAGE BOLT, PRESSED STEEL RAIL-END, PRESSED STEEL LOOP CAP, PRESSED STEEL CAP, 1/4" X 3/4" TENSION BAR, HEAVY TENSION BAND AND CARRIAGE BOLT.
  9. TIE WIRE: 8 1/4" 12 GA. STEEL TIE WIRE AND 6 1/2" 12 GA. STEEL WIRE SPACED 15" ON CENTER FOR LINE POST AND 24" ON CENTER FOR RAILS.
  10. POST FOOTING: TRUCK POURED CONCRETE.
  11. SPECIFY A GATE LATCH WITH THE ABILITY TO ACCEPT A STANDARD PAD LOCK.

- PARKING LOT PAINT SPECIFICATIONS - 15 MIL APPLICATION (0.015 INCH THICKNESS):
1. NEW PAVEMENT SURFACE TO CURE FOR A PERIOD OF NOT LESS THAN 14 DAYS BEFORE APPLICATION OF MARKING MATERIALS.
  2. REMOVE ALL DIRT, GRAVEL, DEBRIS, VEGETATION, OR OTHER MISCELLANEOUS OBJECTS FROM THE SURFACE WITH A BROOM TRUCK OR EQUIVALENT RIGOROUS METHOD. PROVIDE A CLEAN, DUST-FREE AND COMPLETELY DRY SURFACE FOR PAINT APPLICATION. DO NOT APPLY PAINT OVER EXISTING TAPE MARKINGS.
  3. CONFIRM & RECORD PROPER AIR AND SURFACE TEMPERATURES OF 55° AND RISING AND LESS THAN 95°. IF THE SURFACE TEMPERATURE IS NOT WITH THE TEMPERATURE RANGE OR IF THE PAINT APPLICATION IS DONE UNDER ADVERSE CONDITIONS (AS DETERMINED BY THE CONSTRUCTION PROJECT MANAGER) SUCH AS ABOVE 75% HUMIDITY, NIGHT STRIPING, ETC. IN ORDER TO MEET TSC OPENING SCHEDULE, CONTRACTOR TO RE-SCHEDULE AND COMPLETE SURFACE STRIPING UNDER PROPER CONDITIONS A MINIMUM OF 30 DAYS PRIOR TO THE EXPIRATION OF THE (1) ONE YEAR CONSTRUCTION WARRANTY.
  4. PROVIDE A 15 MIL THICK 4" WIDE CONTINUOUS STRIPE WHERE AND IN THE COLOR INDICATED. MINIMUM OF (2) TWO COATS.
  5. PROVIDE PRIMER AND SEALER TO BE APPLIED PER THE MANUFACTURER'S RECOMMENDATIONS ON ALL CONCRETE SURFACES AND ON ASPHALT SURFACES THAT ARE MORE THAN TWO YEARS OLD, OXIDIZED AND/OR HAVE AGGREGATE EXPOSED.

STRIPING NOTE:  
STRIPING ON CONCRETE SHOULD ALWAYS BE YELLOW AND WHITE ON ASPHALT.

NOTE:  
FINAL FIXTURE PLAN TO BE DEVELOPED BY TSC. FIXTURES ARE SUPPLIED BY TSC AND INSTALLED BY TSC VENDOR.



3 TYPICAL  
ONE WAY LETTERING  
3/8"=1"

NOTE:  
UNLESS OTHERWISE SHOWN:  
LETTER HEIGHT = 8'-4"  
LETTER WIDTH = 1'-4"  
LETTER SPACING = 2'  
VERTICAL SPACING = 4"  
  
(USE EQUAL SPACING  
BETWEEN LETTERS AND  
CENTER ENTIRE SYMBOL IN  
LANE)



2 TYPICAL  
STOP LANE LINE  
3/8"=1"



1 TYPICAL  
EDGE LANE LINE  
3/8"=1"

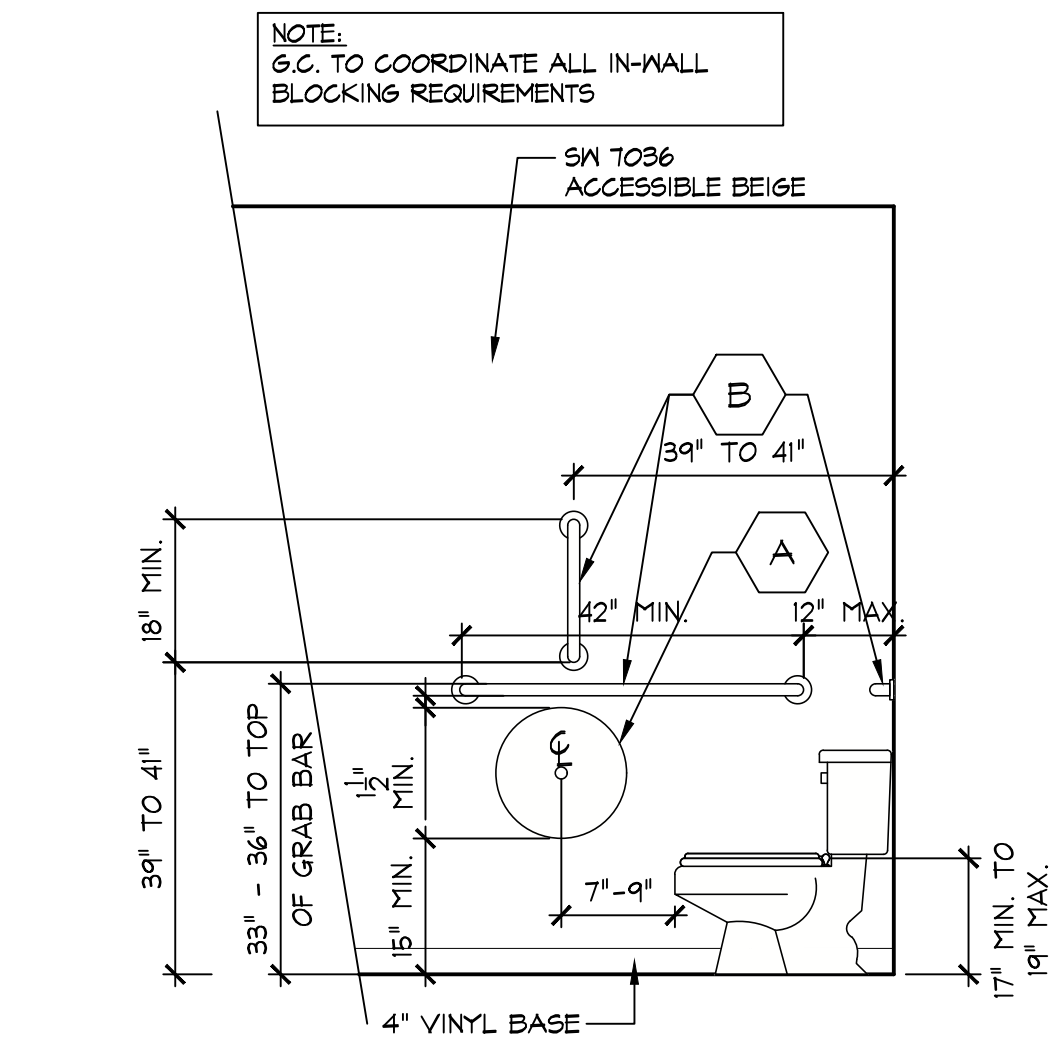


TOILET ROOM ACCESSORIES

TAG	DESCRIPTION		MANUFACTURER #	MODEL	REMARKS	NOTES
(A)	TOILET PAPER DISPENSER		F.B.O., I.B.C.			QTY (0) WOMENS QTY (0) MENS
(B)	ACCESSIBLE GRAB BARS (WATER CLOSETS)	SIDE	BRADLEY	8320-001-42	MOUNT 33"-36" A.F.F. TO TOP, MAX	QTY (0) WOMENS QTY (0) MENS
	ACCESSIBLE GRAB BARS (WATER CLOSETS)	BACK	BRADLEY	8320-001-36	MOUNT 33"-36" A.F.F. TO TOP, MAX	QTY (0) WOMENS QTY (0) MENS
	ACCESSIBLE GRAB BARS (WATER CLOSETS)	VERT.	BRADLEY	8320-001-10	MOUNT 34"-41" A.F.F. TO BOTTOM OF BAR	QTY (0) WOMENS QTY (0) MENS
(C)	TOUCHLESS SOAP DISPENSER		SCOTT BRAND F.B.O., I.B.C.	32504	MOUNT 40" A.F.F. MAX TO CONTROL	QTY (0) WOMENS QTY (0) MENS
(D)	16" X 36" STAINLESS STEEL PANEL		FURN. & INST. BY CONTRACTOR		40" TO TOP OF PANEL	QTY (1) WOMENS QTY (1) MENS
(E)	MIRROR (1/2" POLISHED PLATE GLASS)		1 PIECE, 18" X 36"		MOUNT 40" A.F.F. TO BOTTOM OF REFLECTIVE SURFACE	QTY (0) WOMENS QTY (0) MENS
(F)	PAPER TOWEL DISPENSER		F.B.O., I.B.C.		MOUNT 40" A.F.F. MAX TO CONTROL	QTY (1) BREAKROOM
(G)	SMARTDRI PLUS		WORLD DRYER	K-974P2	MOUNT 40" A.F.F. MAX TO CONTROL	QTY (1) WOMENS QTY (1) MENS

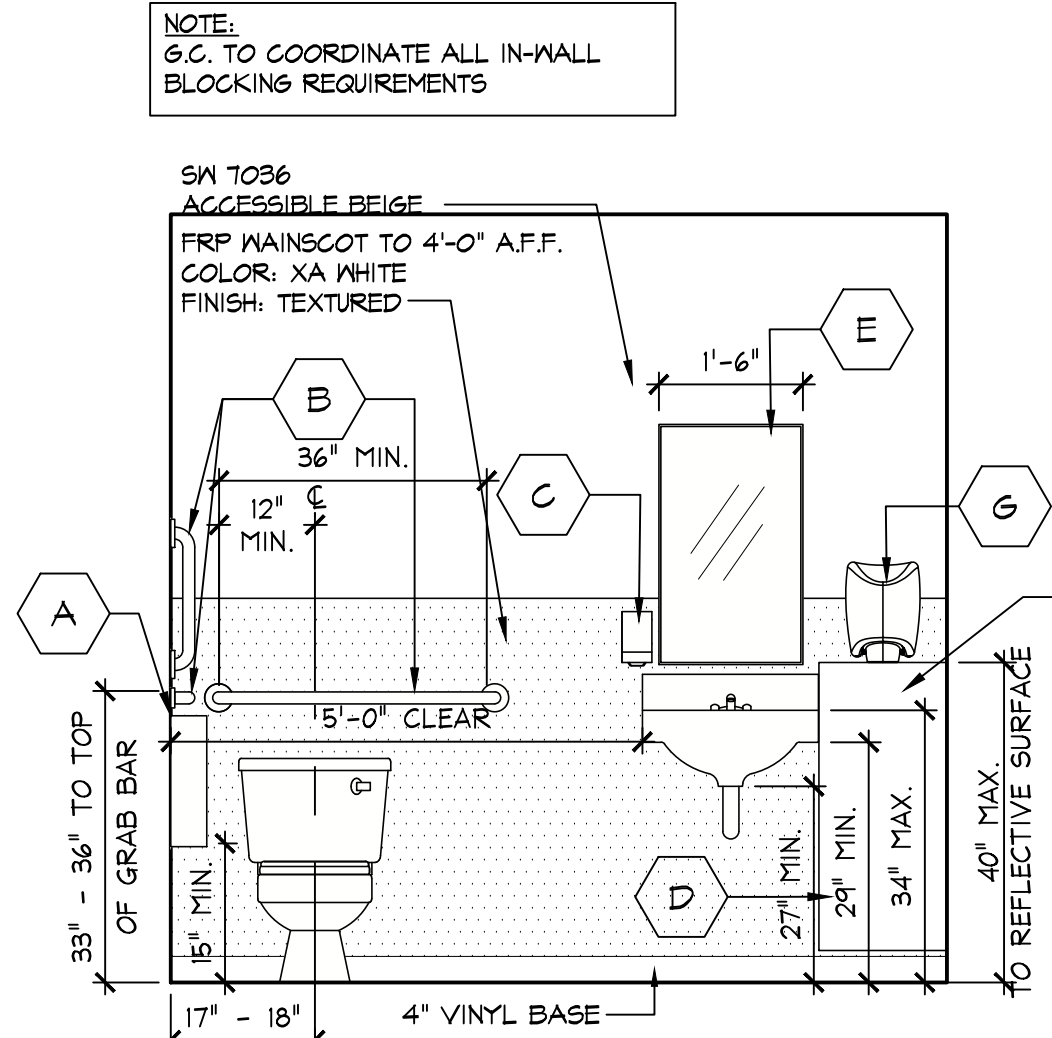
GENERAL NOTES

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 CEILINGS WITHIN 18" OF THE EDGE OF THE FULL SIDE OF THE BATHROOM DOORS.
8. NOTE - EXISTING ACCESSORIES THAT MATCH THE ABOVE SPECIFICATION AND IN GOOD WORKING ORDER ARE NOT TO BE REPLACED. CONFIRM REPLACEMENT W/ T.S.C., P.M.



3 RESTROOMS ELEVATION

1/2"=1'-0"

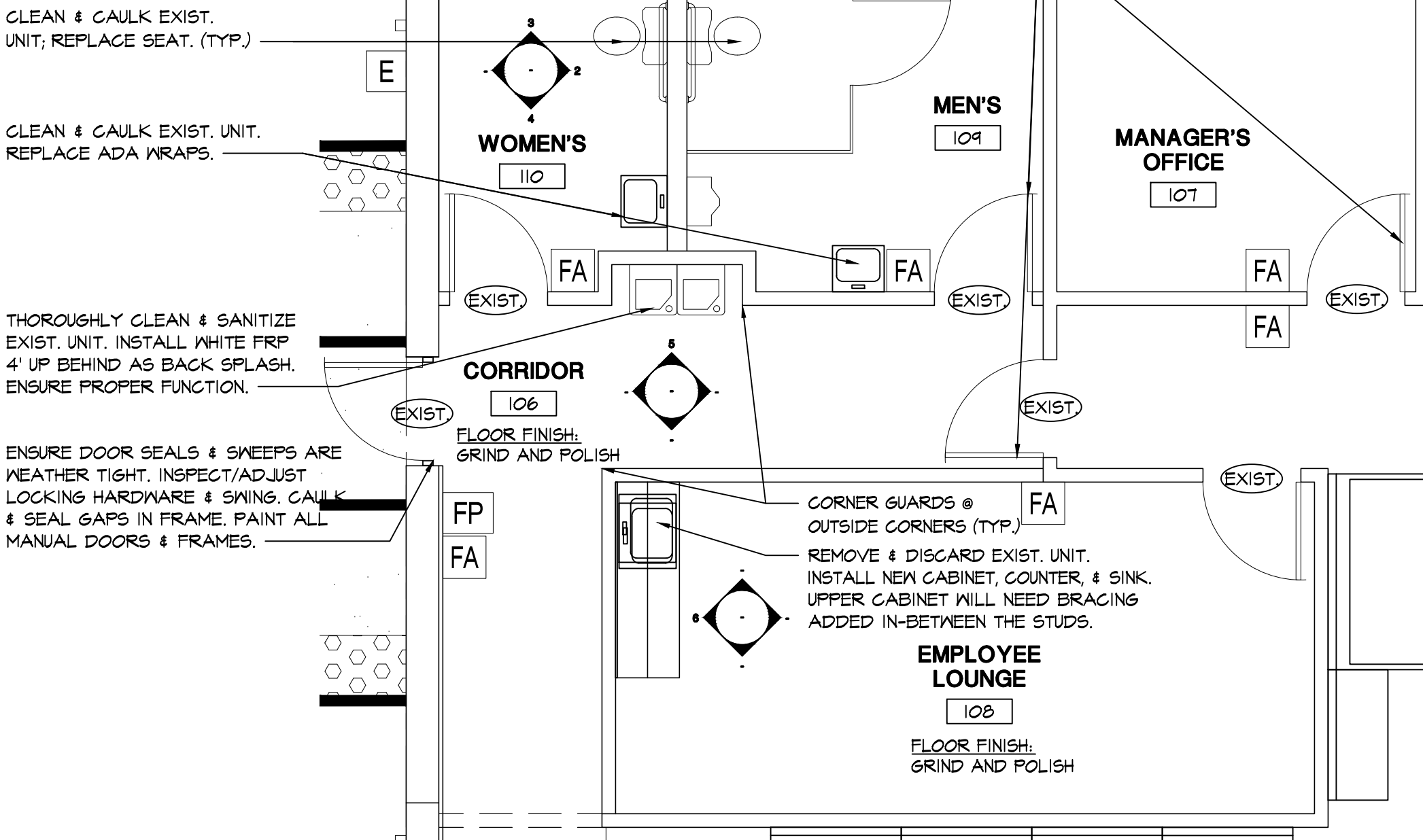


2 RESTROOMS ELEVATION

1/2"=1'-0"

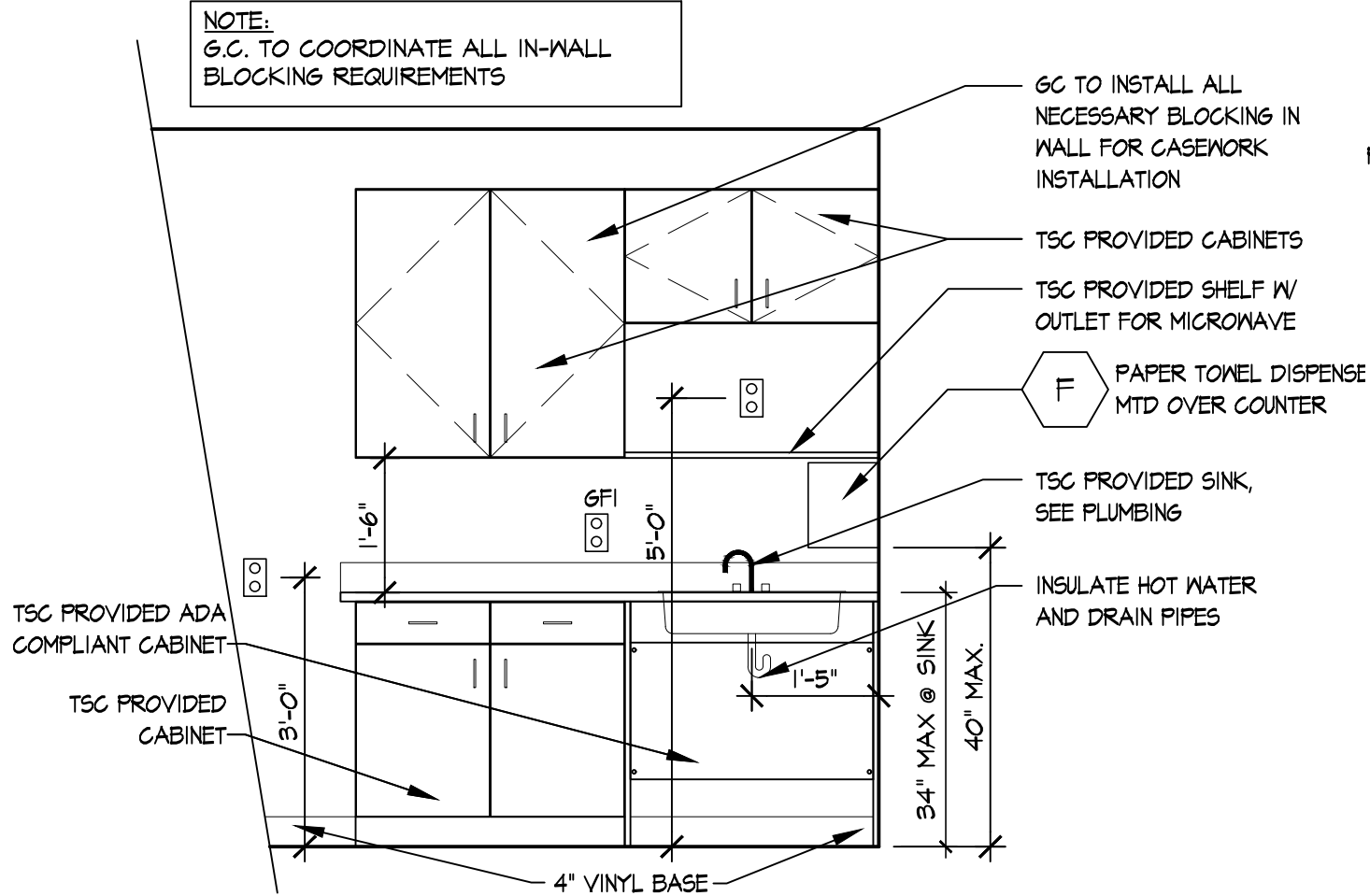
CAULK & SEAL GAPS IN FRAME. PAINT ALL MANUAL DOORS & FRAMES - BOTH SIDES. POLISH HANDLES, HINGES & KICK PLATE IF APPLICABLE. INSTALL DOOR SILENCERS. INSTALL DOOR STOPS; IF NEEDED. (TYP.)

THOROUGHLY DISINFECT ALL PENETRATIONS & PATCH / FILL HOLES PRIOR TO PAINTING. REFER TO COLOR SCHEDULE ON A01



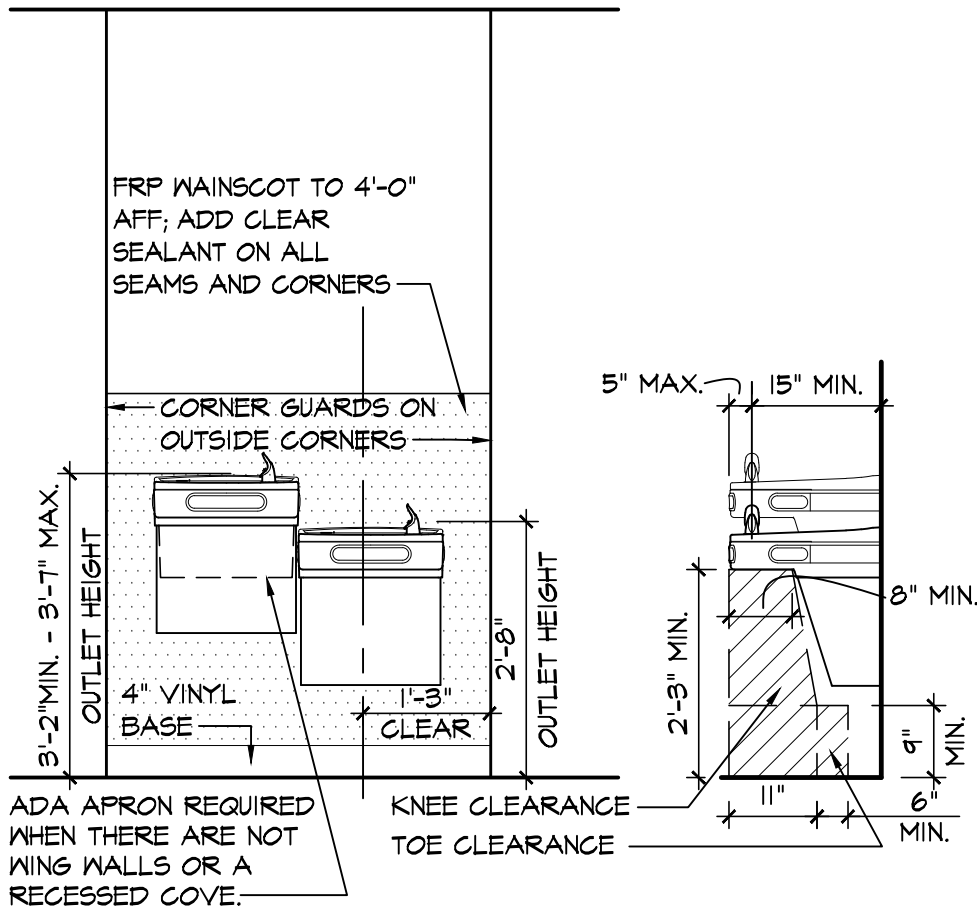
1 OFFICE CORE ENLARGED PLAN

1/4"=1'-0"



6 BREAK ROOM COUNTER ELEVATION

1/2"=1'-0"

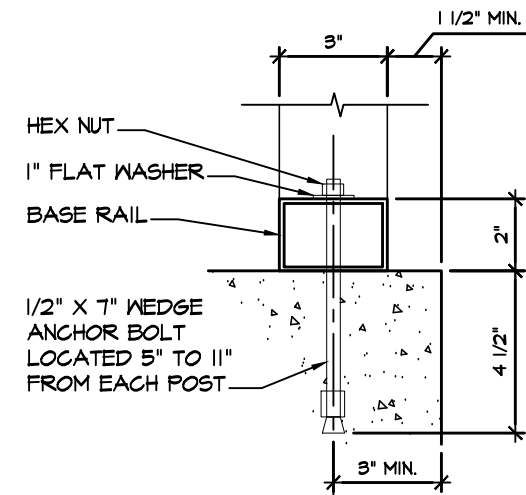


5 DRINKING FOUNTAIN ELEVATION

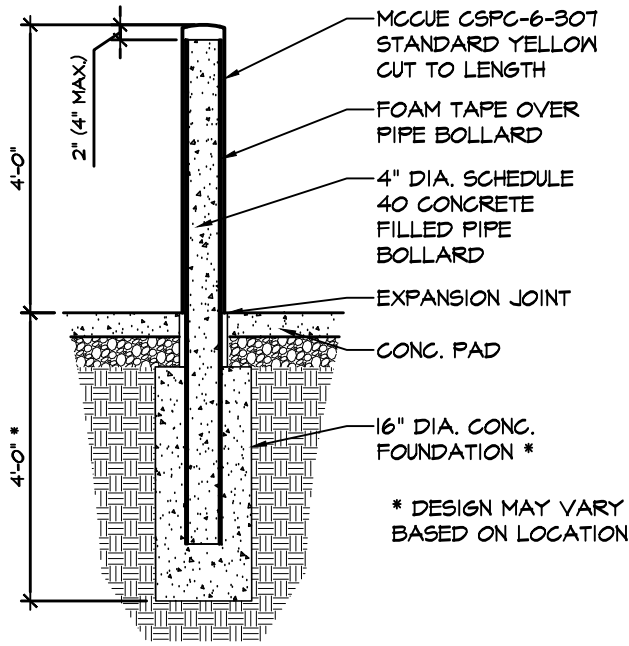
1/2"=1'-0"



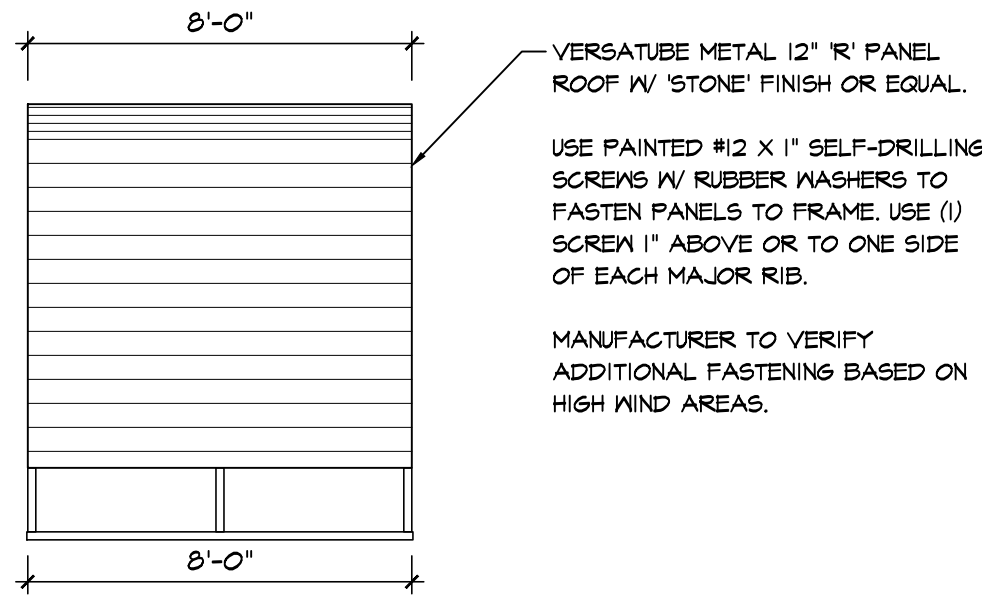
NOT USED  
D9 BOLLARD DETAIL  
N.T.S.



TYPICAL  
D8 BOLLARD DETAIL  
N.T.S.



CONNECTION @ CONCRETE  
D7 CANOPY DETAIL  
N.T.S.

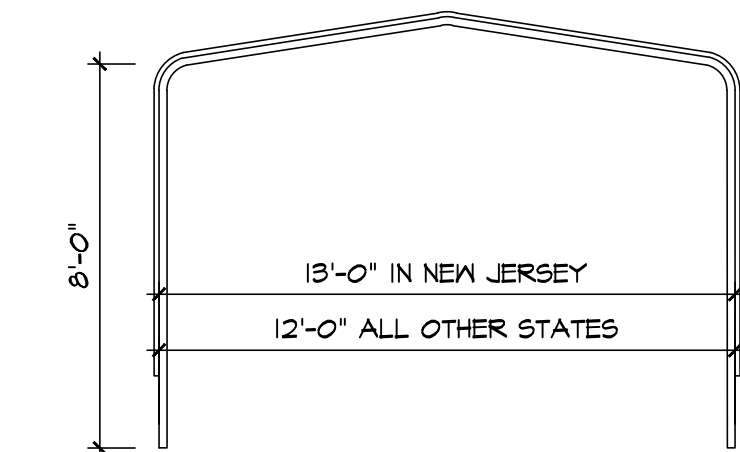


SIDE  
D5 CANOPY ELEVATION  
N.T.S.

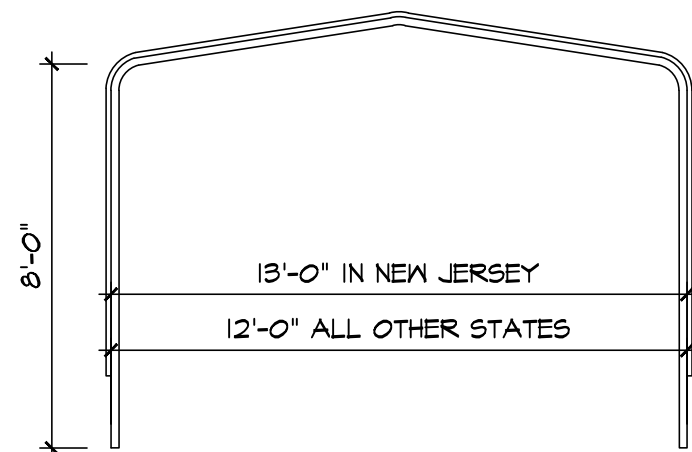


NOT USED  
D3 PROPANE PLAN  
N.T.S.

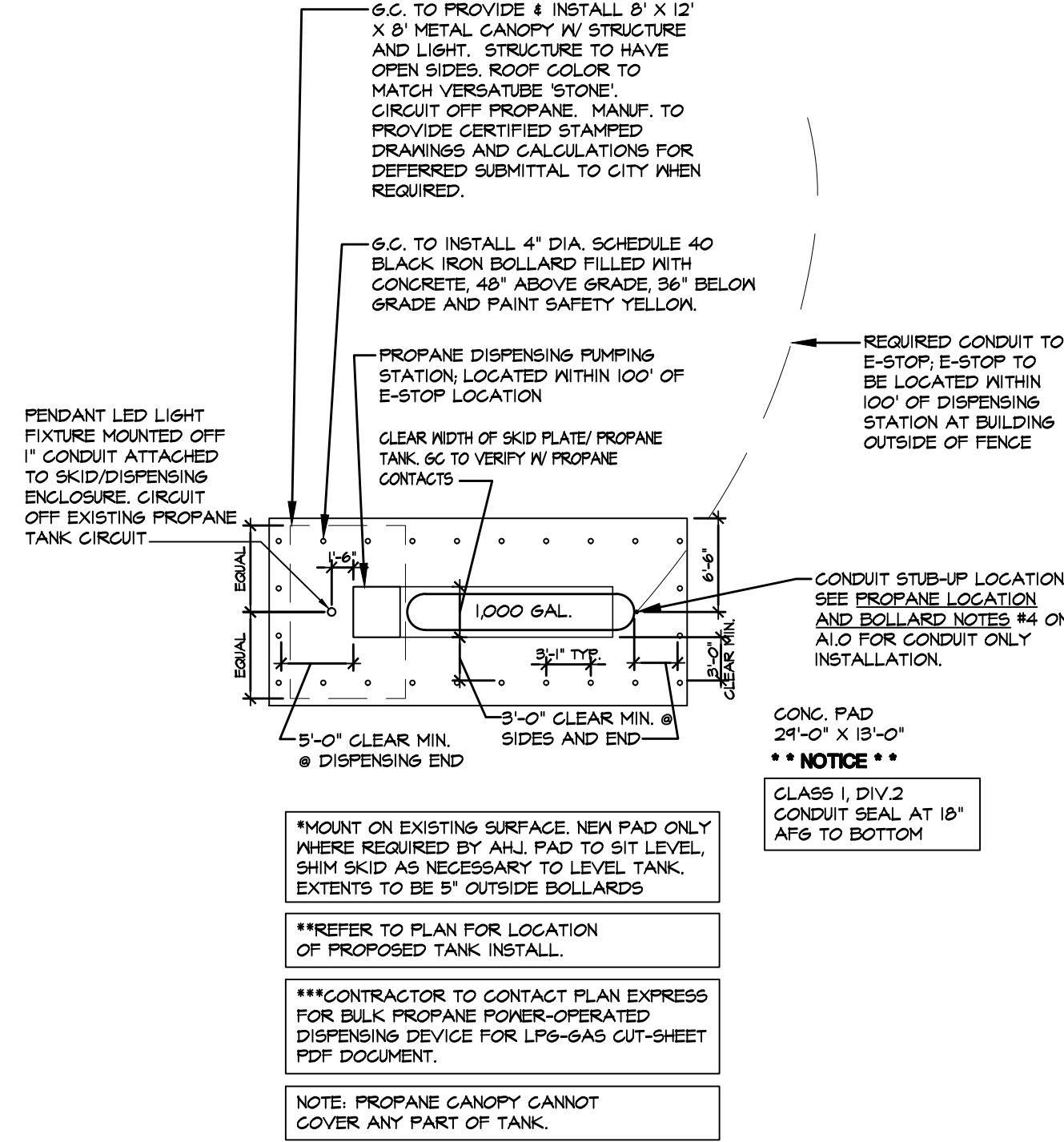
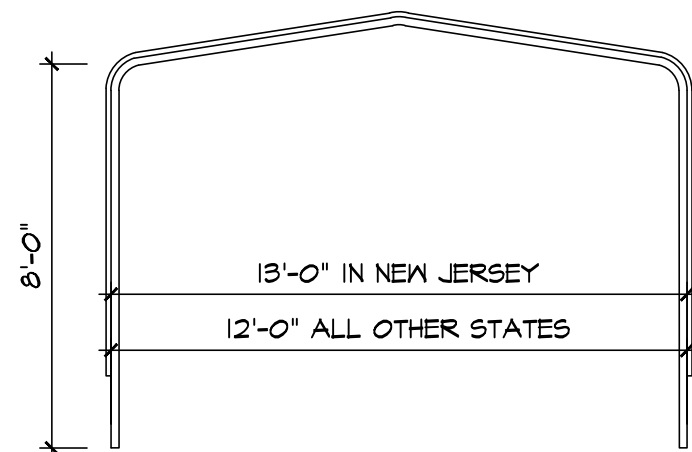
NOT USED  
D6 PROPANE TANK  
N.T.S.



FRONT  
D4 CANOPY ELEVATION  
N.T.S.



NOT USED  
D2 PROPANE PLAN  
N.T.S.



1000 GAL TANK  
D1 PROPANE TANK  
N.T.S.

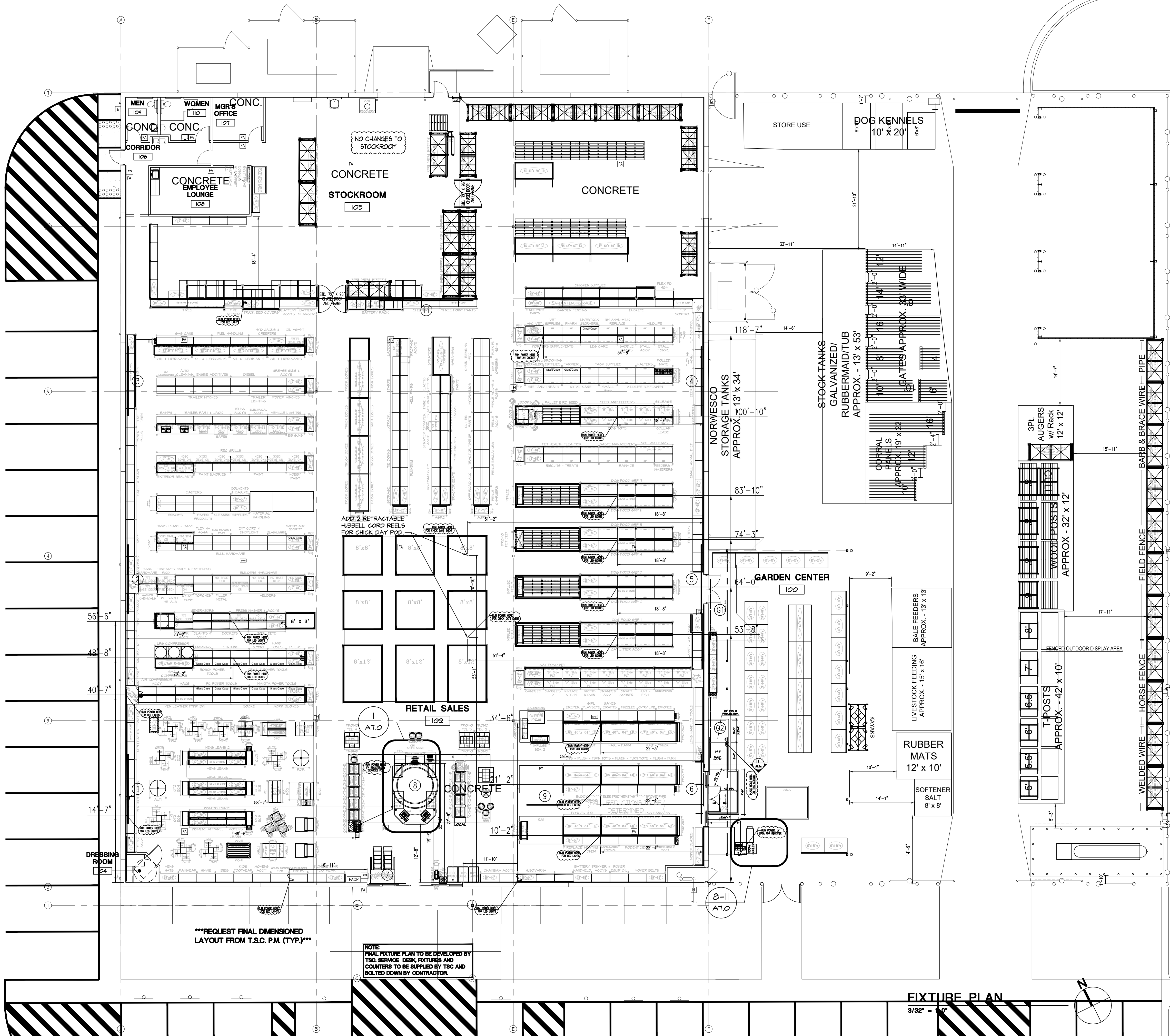
- PROPANE RESPONSIBILITY NOTES:
- IF PROPANE TANK IS DELIVERED PRIOR TO FIXTURE DATE:
1. GENERAL CONTRACTOR IS RESPONSIBLE FOR INFRASTRUCTURE RELATED TO PROPANE TANK INSTALLATION.
  2. GENERAL CONTRACTOR IS RESPONSIBLE FOR ELECTRICAL PERMITTING AND FINAL CONNECTION TO PUMP DISPENSING CONTROL PANEL.
  3. AMERIGAS OR OTHER SPECIFIED PROPANE PROVIDER IS RESPONSIBLE FOR GAS PERMITTING OF THE TANK.
  4. AMERIGAS OR OTHER SPECIFIED PROPANE PROVIDER IS RESPONSIBLE FOR INSTALLATION AND FINAL GAS CONNECTION OF THE TANK.
  5. SEE ELECTRICAL SHEET E1B.0 FOR ADDITIONAL NOTES AND DETAILS.
- IF PROPANE TANK IS DELIVERED AFTER FIXTURE DATE:
1. GENERAL CONTRACTOR IS RESPONSIBLE FOR INFRASTRUCTURE RELATED TO PROPANE TANK INSTALLATION.
  2. AMERIGAS OR OTHER SPECIFIED PROPANE PROVIDER IS RESPONSIBLE FOR ELECTRICAL PERMITTING AND FINAL CONNECTION TO PUMP DISPENSING CONTROL PANEL.
  3. AMERIGAS OR OTHER SPECIFIED PROPANE PROVIDER IS RESPONSIBLE FOR GAS PERMITTING OF THE TANK.
  4. AMERIGAS OR OTHER SPECIFIED PROPANE PROVIDER IS RESPONSIBLE FOR INSTALLATION AND FINAL GAS CONNECTION OF THE TANK.
  5. SEE ELECTRICAL SHEET E1B.0 FOR ADDITIONAL NOTES AND DETAILS.

- PROPANE LOCATION AND BOLLARD NOTES:
1. IF THERE IS NOT ENOUGH SPACE CLEAR FROM THE BUILDING, LOCATE TANK ON THE OTHER SIDE OF THE DRIVE ISLE IN THE SAME VERTICAL POSITION.
  2. IN TEXAS, IN ADDITION TO BOLLARD PROTECTION REQUIREMENTS (3'-0" MAX. SPACING), GUARDRAIL TO BE INSTALLED WITH 2 POINTS OF EGRESS NO GREATER THAN 36".
  3. IN FLORIDA, IN ADDITION TO BOLLARD PROTECTION (3'-0" MAX. SPACING), A 10' HALO IN ALL DIRECTIONS SHALL BE PROVIDED FROM THE POINT OF TRANSFER.
  4. FOR CONDUIT ONLY INSTALLATION (PROPANE TANK INSTALLED AT A LATER DATE) PROVIDE BOLLARD COVER (GLOBAL INDUSTRIAL MODEL W665289M) AND (4) FOUR BOLLARD COVER ANCHOR BOLTS (GLOBAL INDUSTRIAL W665290) OVER CONDUIT STUB-UP. INSTALL EXPLOSION PROOF JUNCTION BOX VERTICALLY TO INSURE BOLLARD COVER FIT. SEE ELECTRICAL.

NOTE:  
GENERAL CONTRACTOR TO CONTACT PLAN EXPRESS FOR PROPANE TANK POWER-OPERATED DISPENSING DEVICE FOR LPG-GAS CUT-SHEET PDF DOCUMENT.

NOTE:  
GENERAL CONTRACTOR TO VERIFY LOCATION OF PROPANE TANK AND CONDUIT STUB-UP WITH THE TSC PROJECT MANAGER PRIOR TO CONDUIT INSTALLATION. GC TO CONTACT DCA PRIOR TO COMMENCEMENT OF WORK IN NEW JERSEY.





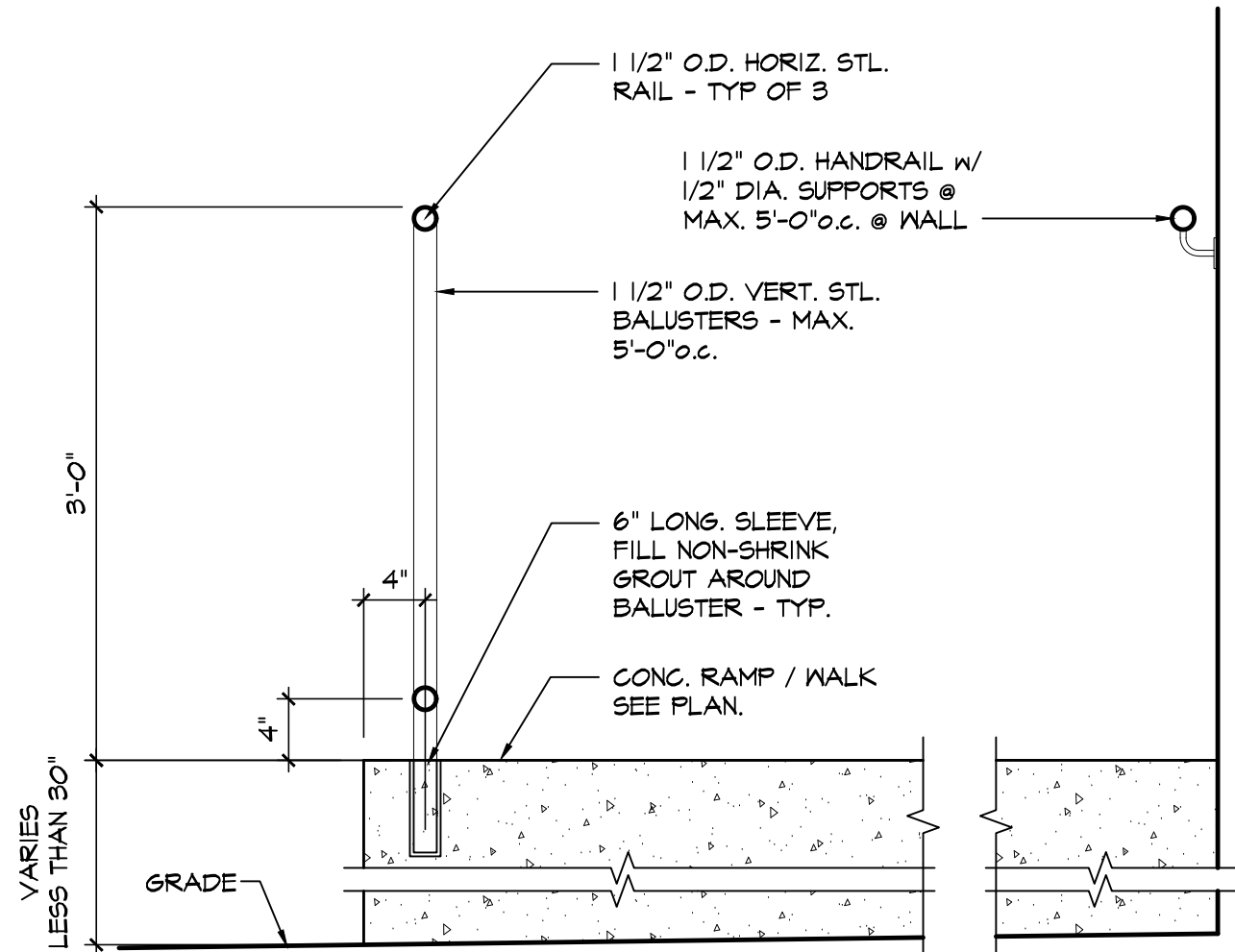
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FUSION / SIDE LOT  
**COMBO PROJECT**  
STORE #550  
5359 WEST US HWY 90  
LAKE CITY, FL 32055

Project No: 19982  
Drawn By:  
Date: 6-10-22 Issue: PEP/MT

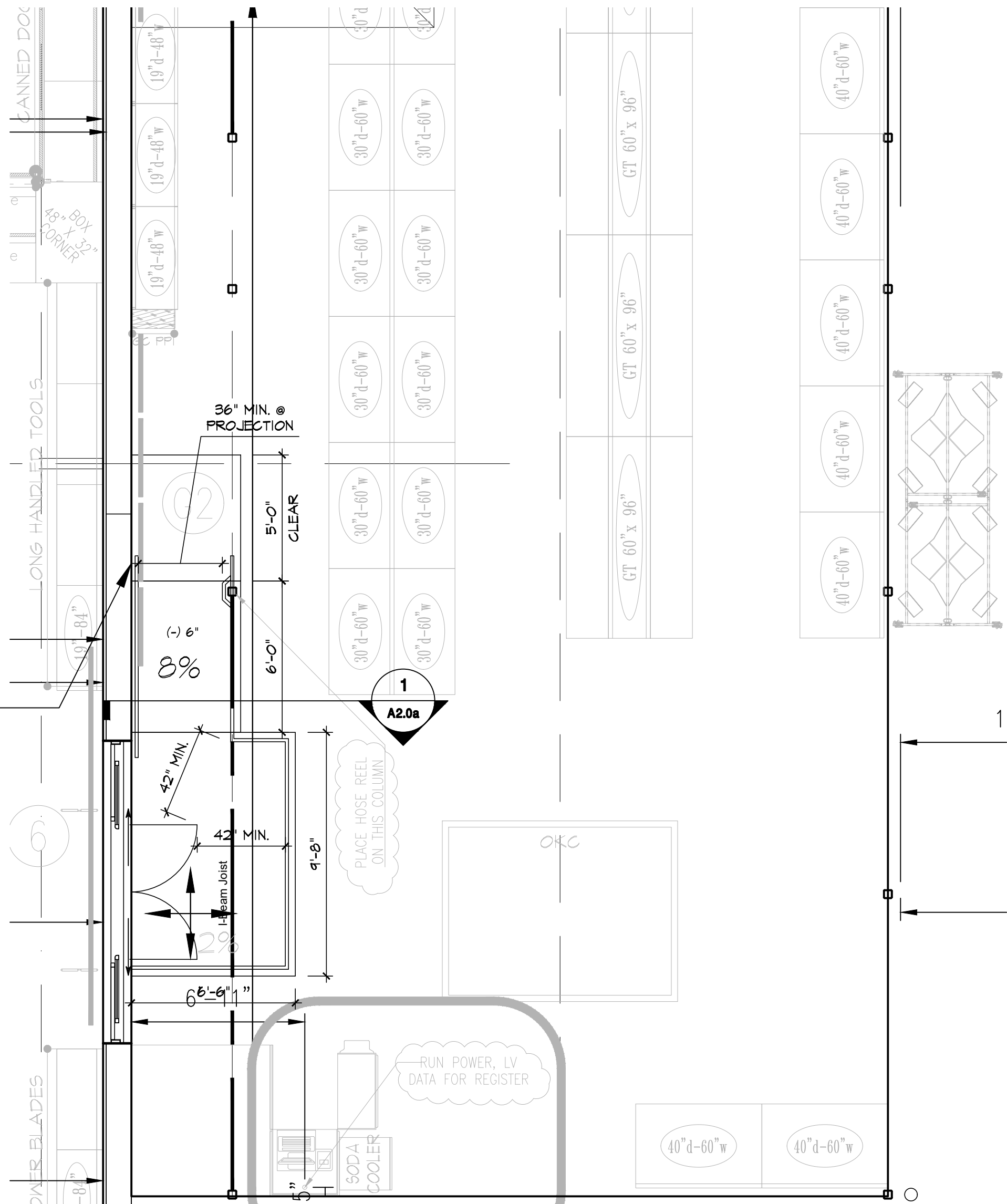




1 | HANDRAIL DETAIL

1"=1'-0"

GREENHOUSE  
CONTROLS ARE TO  
BE ON THIS SIDE  
OF THE OPENING



FUSION / SIDE LOT

## COMBO PROJECT

STORE #550  
5369 WEST US HWY 90  
LAKE CITY, FL 32055

Project No: 19982  
Drawn By: RJ  
Date: 6-10-22  
Issue: PERMIT

# A2.0a

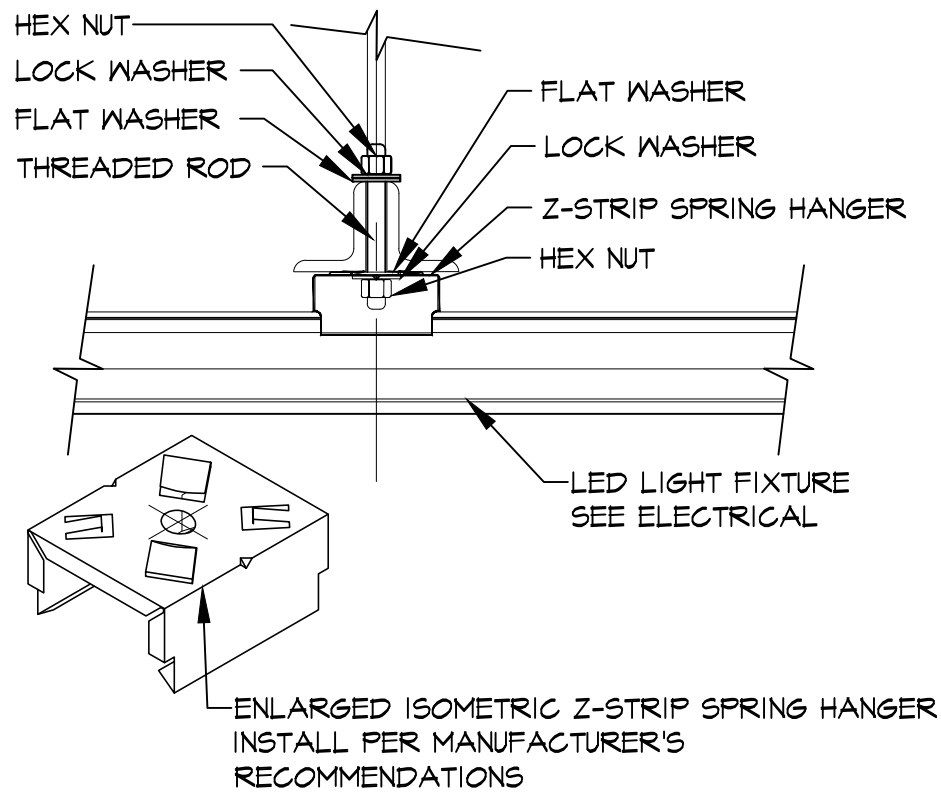
GARDEN CENTER  
RAMP OPTIONS

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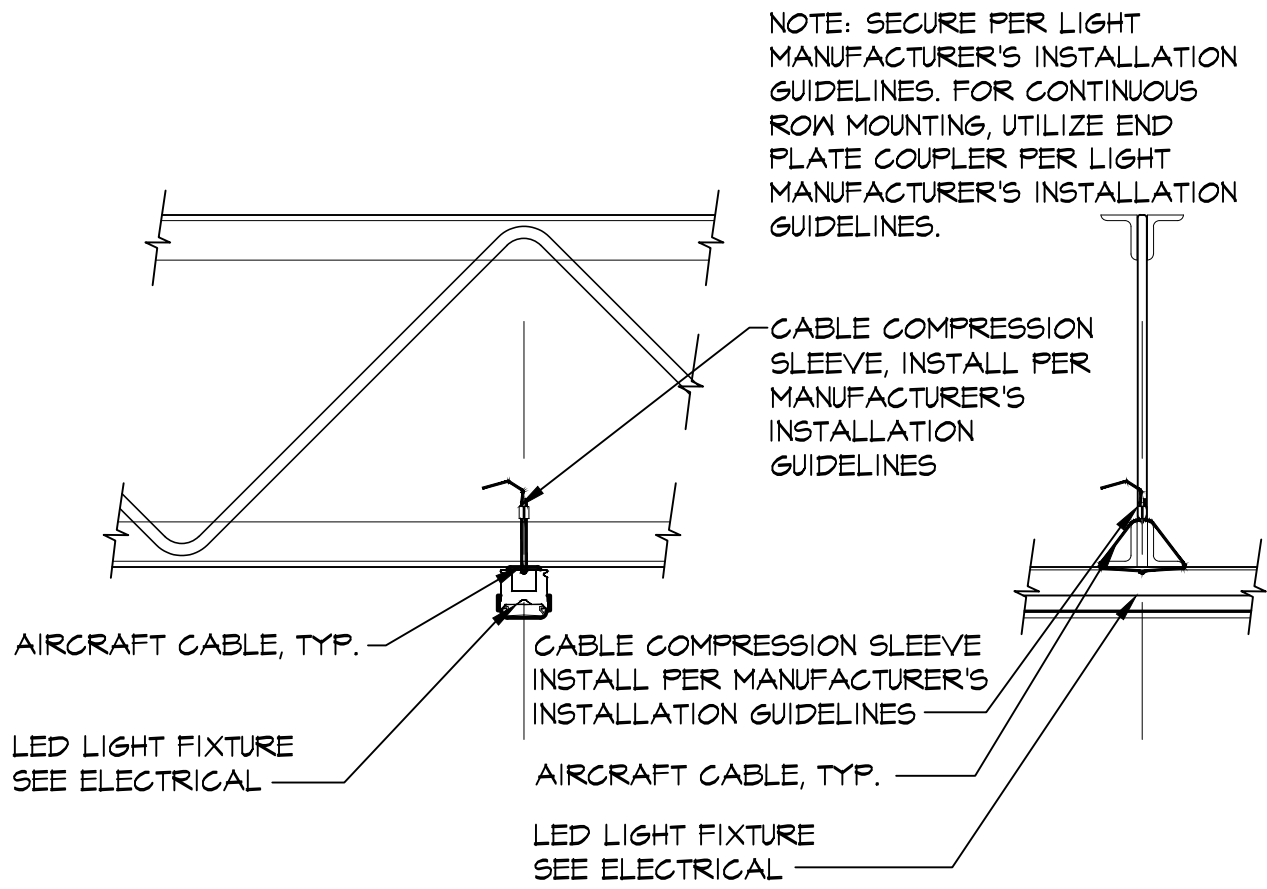


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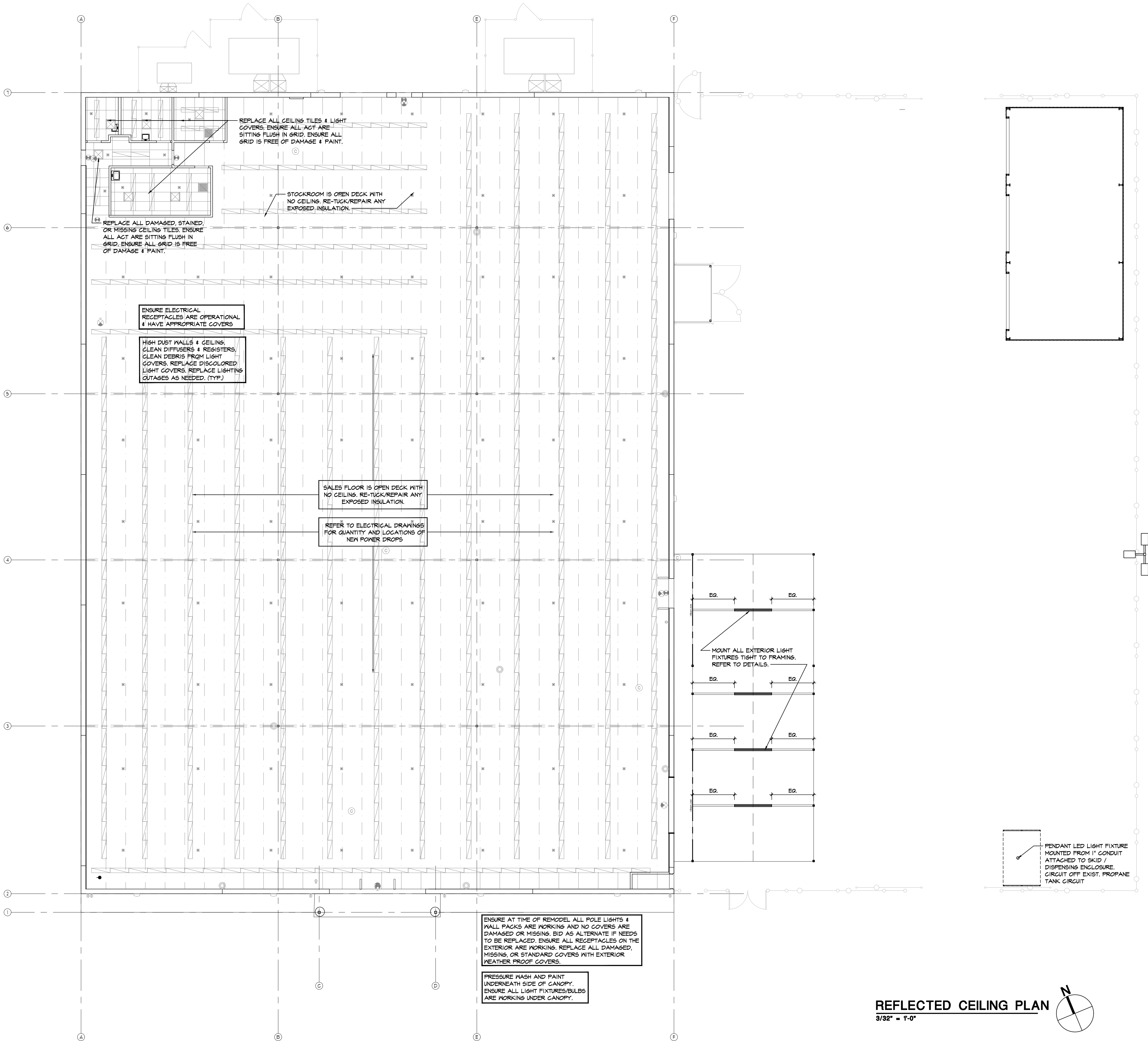
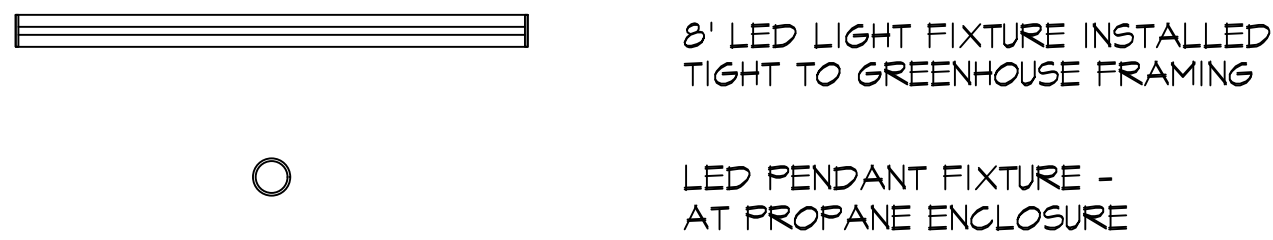


LIGHTS IN GREENHOUSE AREA  
1 Z-STRIP SPRING HANGER  
1-1/2" = 1'-0"

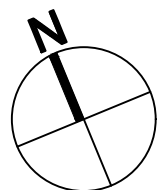


LIGHTS IN GREENHOUSE AREA  
2 ALTERNATE ATTACHMENT DTL.  
3/4" = 1'-0"

CEILING LEGEND



REFLECTED CEILING PLAN  
3/32" = 1'-0"



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5369 WEST US HWY 90  
LAKE CITY, FL 32055

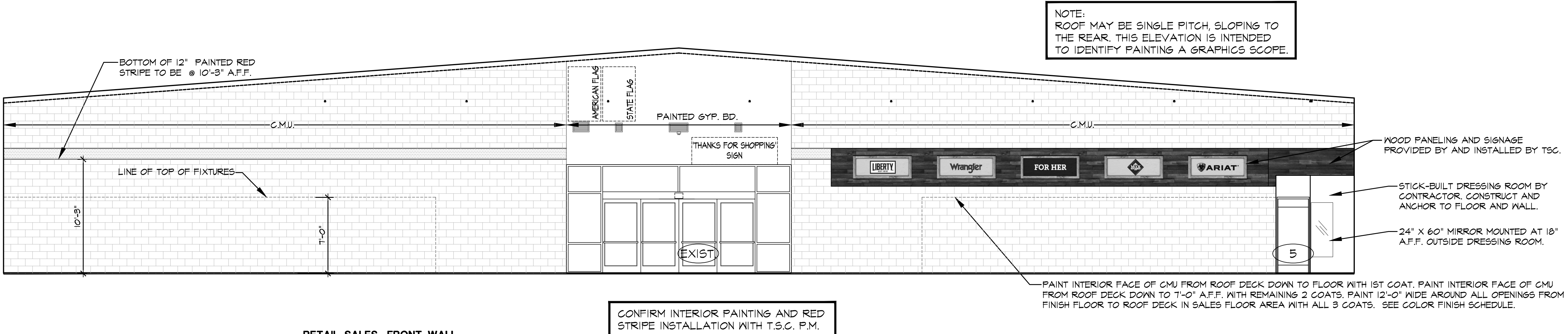
Project No: 19982  
Drawn By: RJ  
Date: 6-10-22  
Issue: PERMIT

A3.0

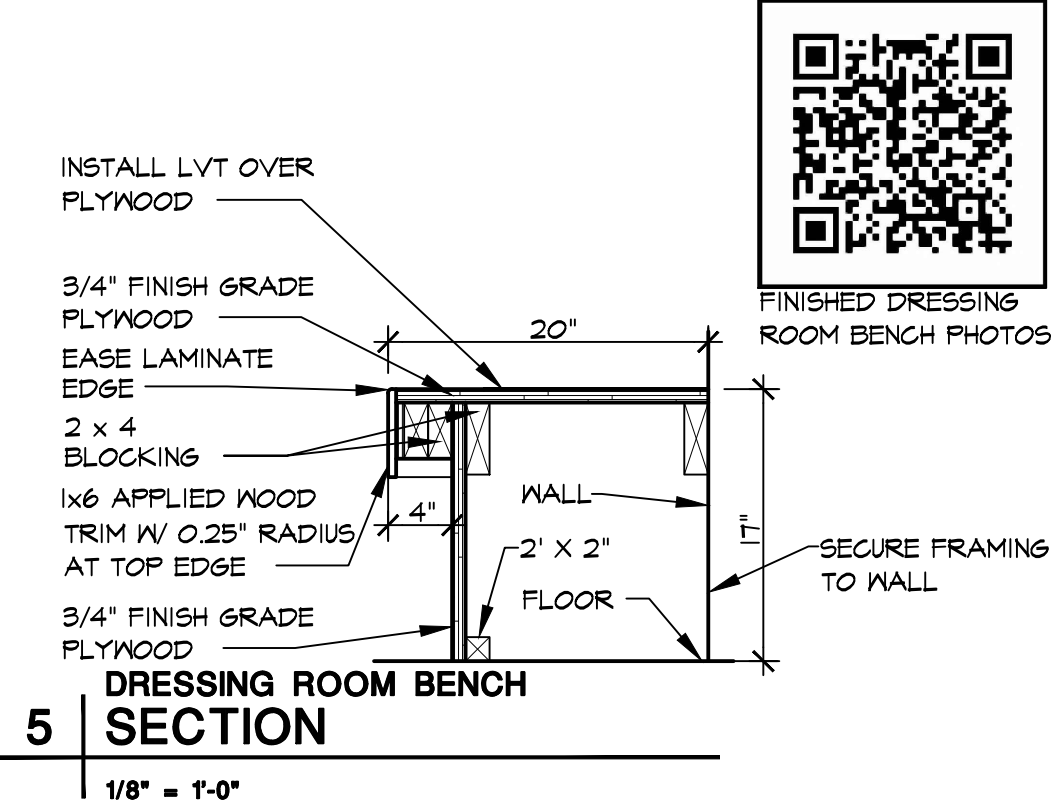
CEILING PLAN

**onyx|creative**  
25001 Emory Road, Suite 400  
Cleveland, Ohio 44128  
FL.LIC.AR95693  
216.223.3200 onyxcreative.com

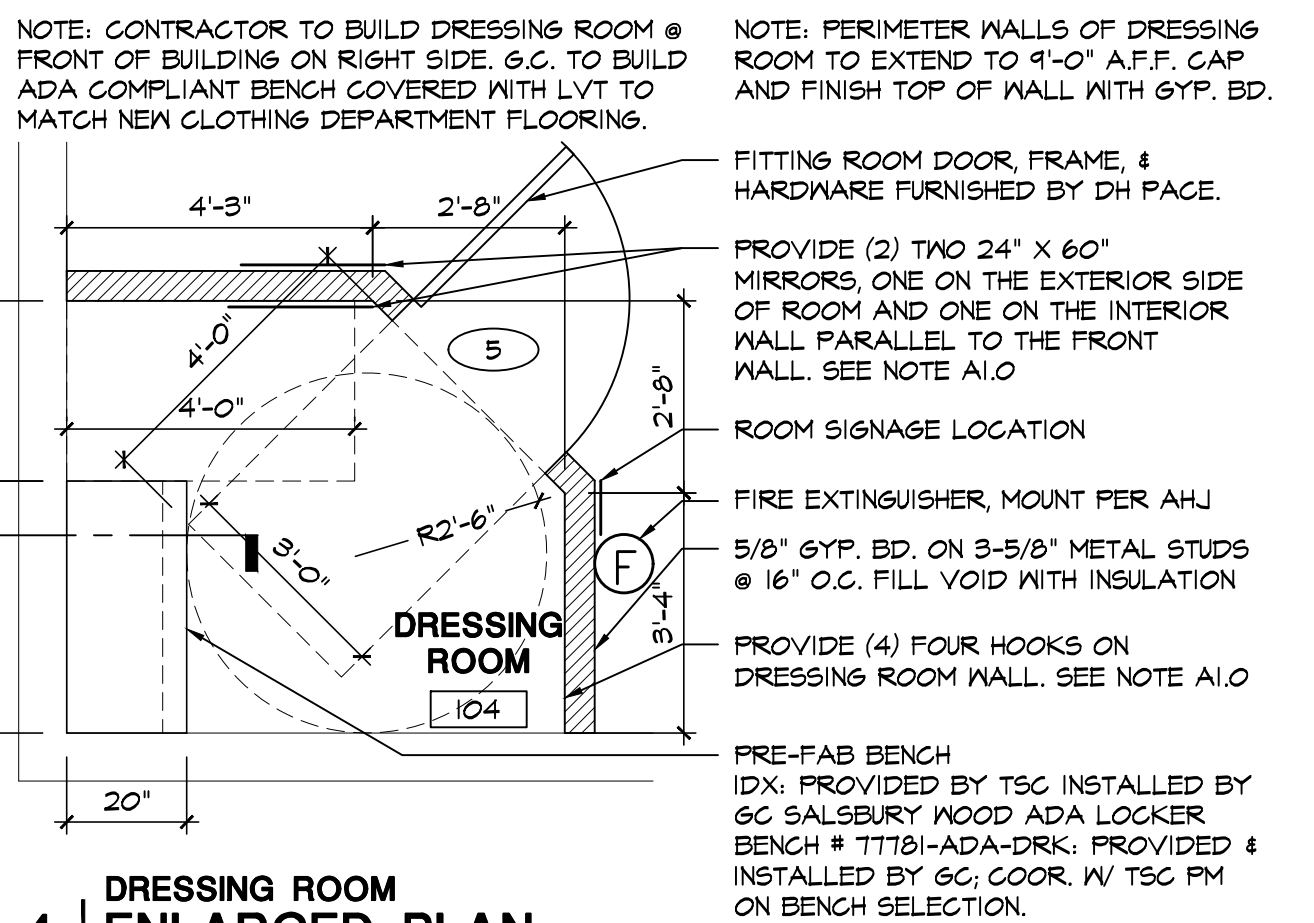




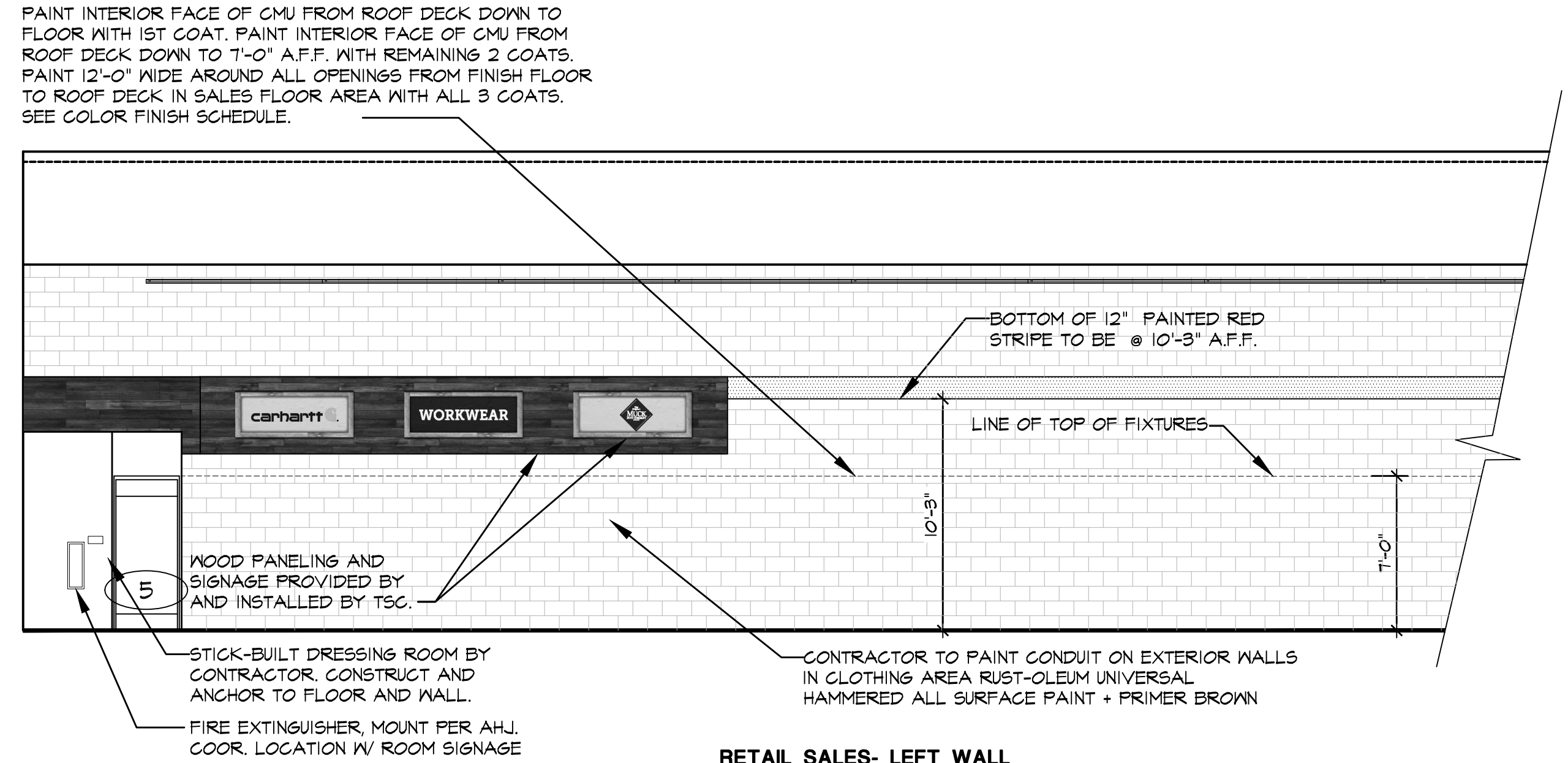
1 RETAIL SALES- FRONT WALL  
INTERIOR ELEVATION  
3/16" = 1'-0".



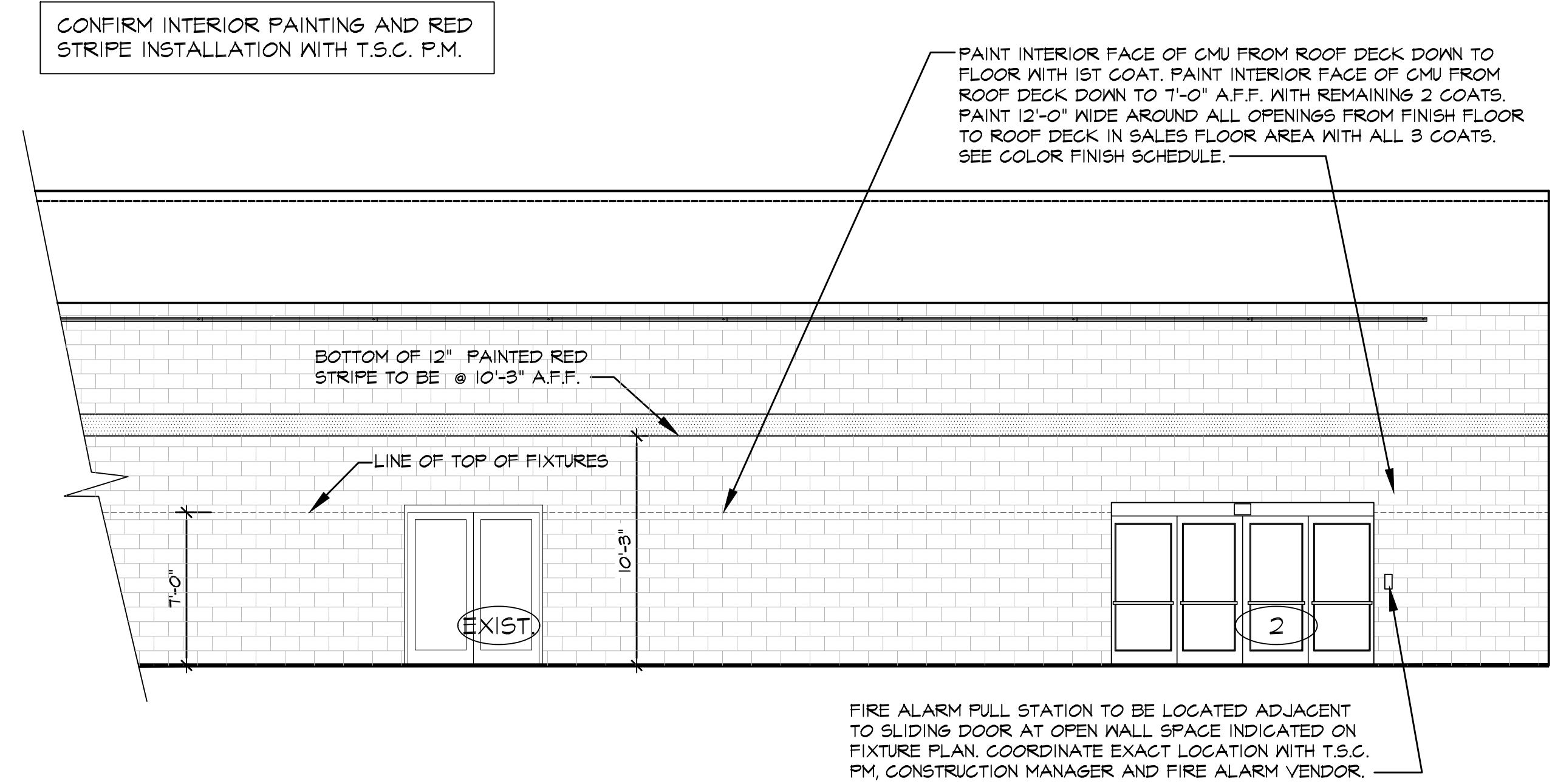
DRESSING ROOMS ARE STICK-BUILT AND INSTALLED BY CONTRACTOR. CONTRACTOR TO CONSTRUCT AND ANCHOR DRESSING ROOM AND BENCH TO WALL AND/OR FLOOR. CONTRACTOR TO PROVIDE & INSTALL (2) 24" X 60" (1/4" POLISHED PLATE GLASS - 1 PIECE), ONE ON THE EXTERIOR SIDE OF ROOM ON WALL PERPENDICULAR TO SIDE EXTERIOR WALL AND ONE ON THE INTERIOR WALL PARALLEL TO THE FRONT WALL, HANG WITH STANDARD MIRROR CLIPS PER MANUFACTURER RECOMMENDATIONS. WHERE BOTTOM EDGE OF THE REFLECTING SURFACE IS AT 15' A.F.F., AND (4) FOUR HOOKS ON DRESSING ROOM WALL. MOUNT (2) TWO TO MEET ACCESSIBILITY ACCESS (48" MAX. A.F.F. / 46" MAX. A.F.F. IF MOUNTED OVER THE BENCH) AND (2) TWO AT 60" A.F.F. VERIFY LOCATION W/ FINAL FIXTURE PLAN AND TSC PROJECT MANAGER. SEE DETAILS A2.0.



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

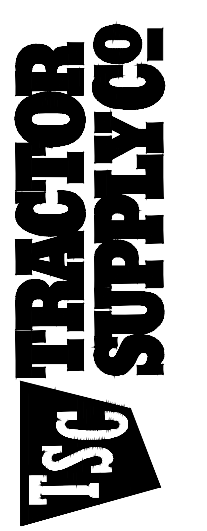


2 RETAIL SALES- LEFT WALL  
INTERIOR ELEVATION  
3/16" = 1'-0".



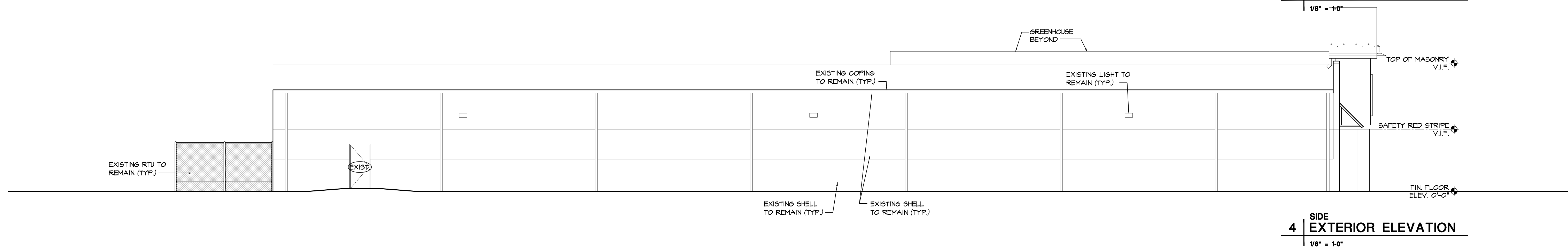
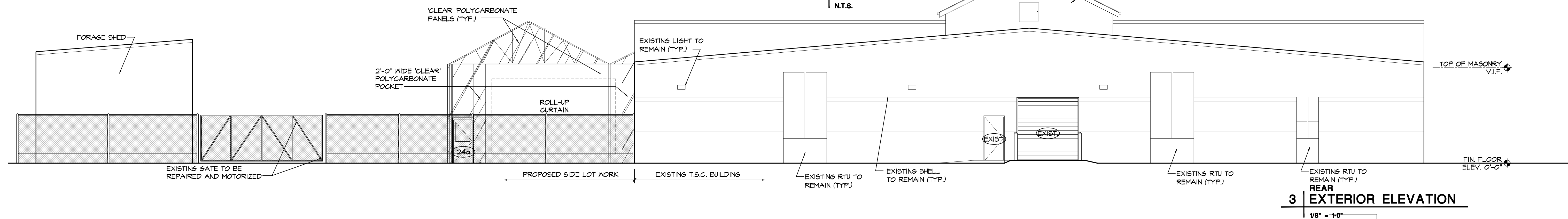
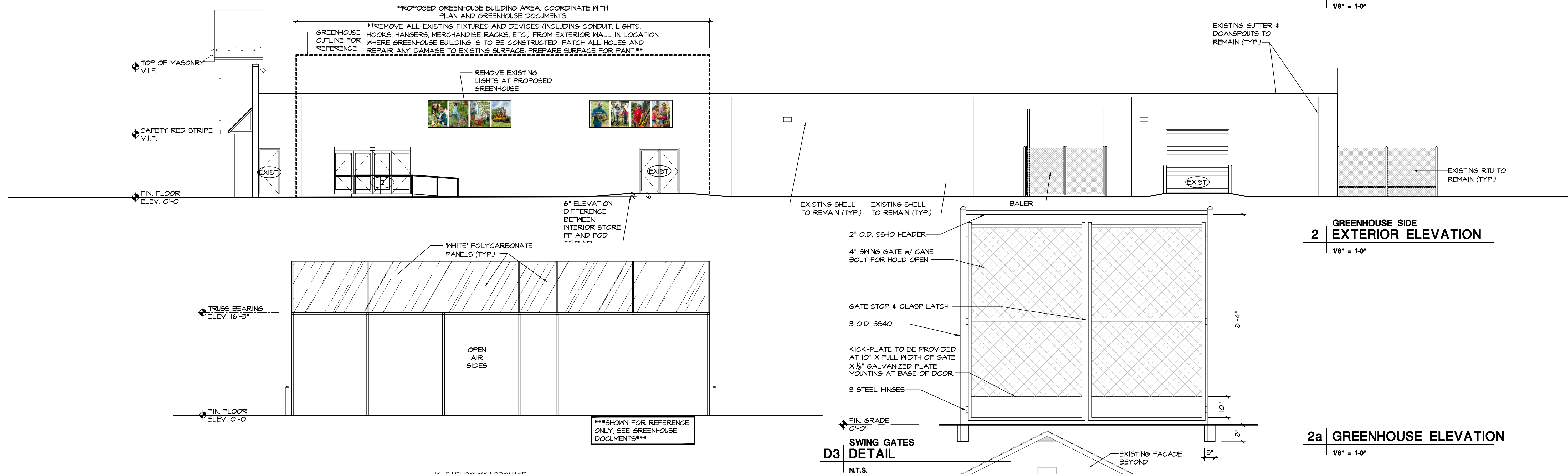
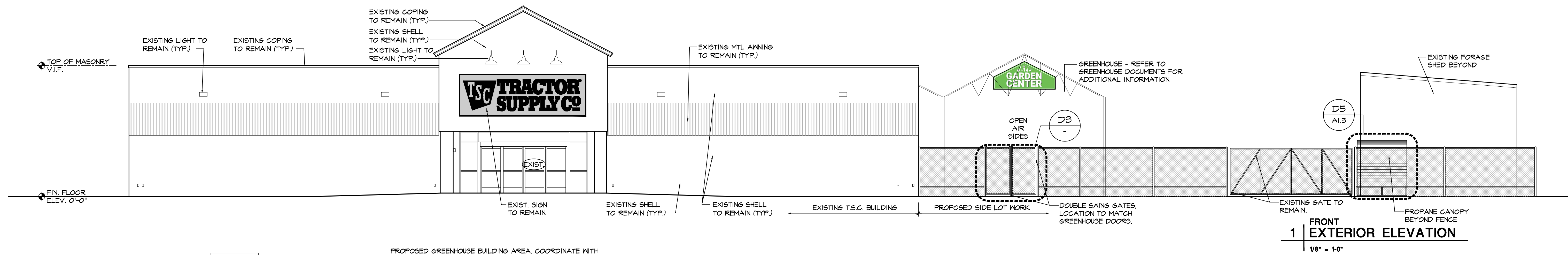
3 RETAIL SALES- RIGHT WALL  
INTERIOR ELEVATION  
3/16" = 1'-0".

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

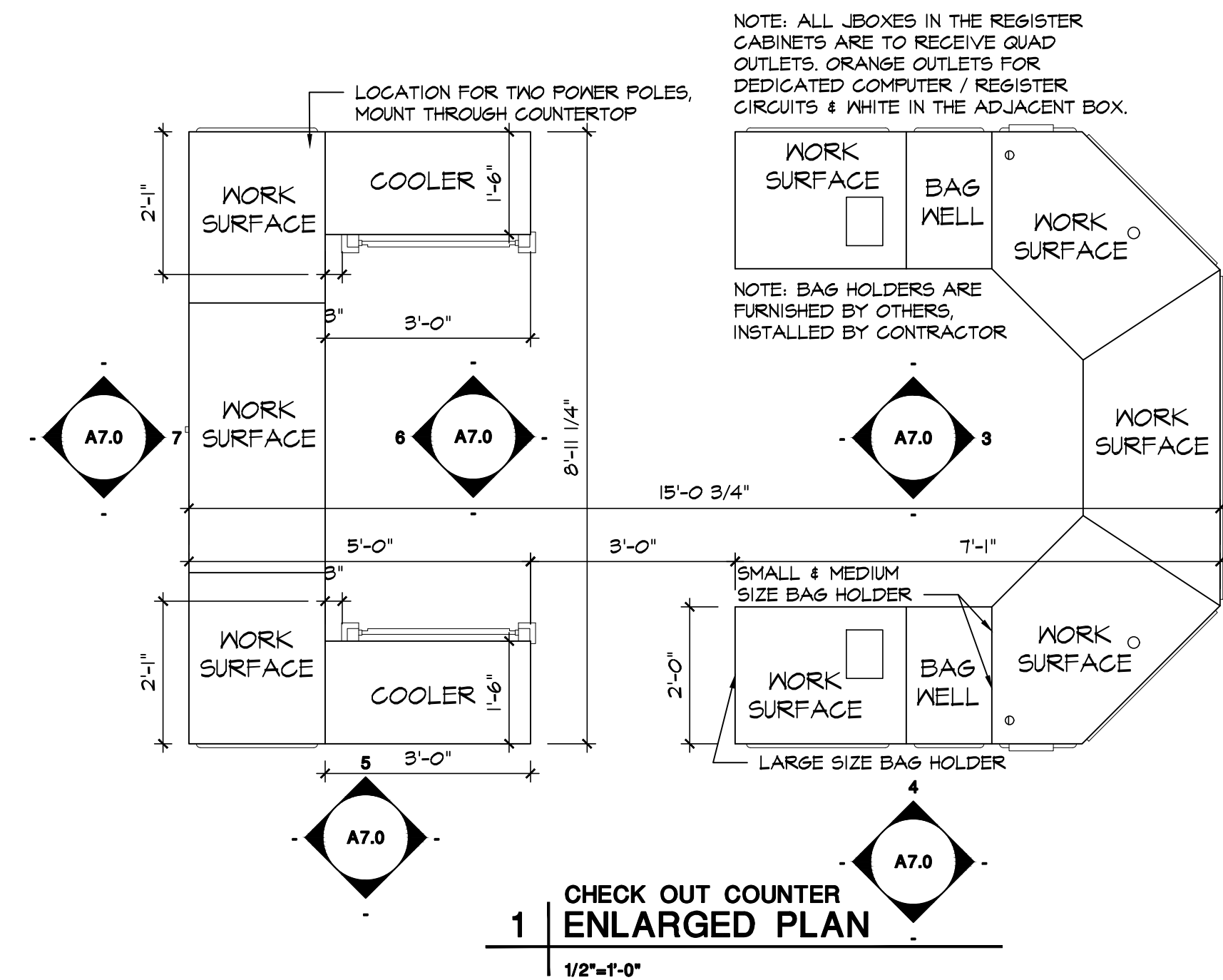
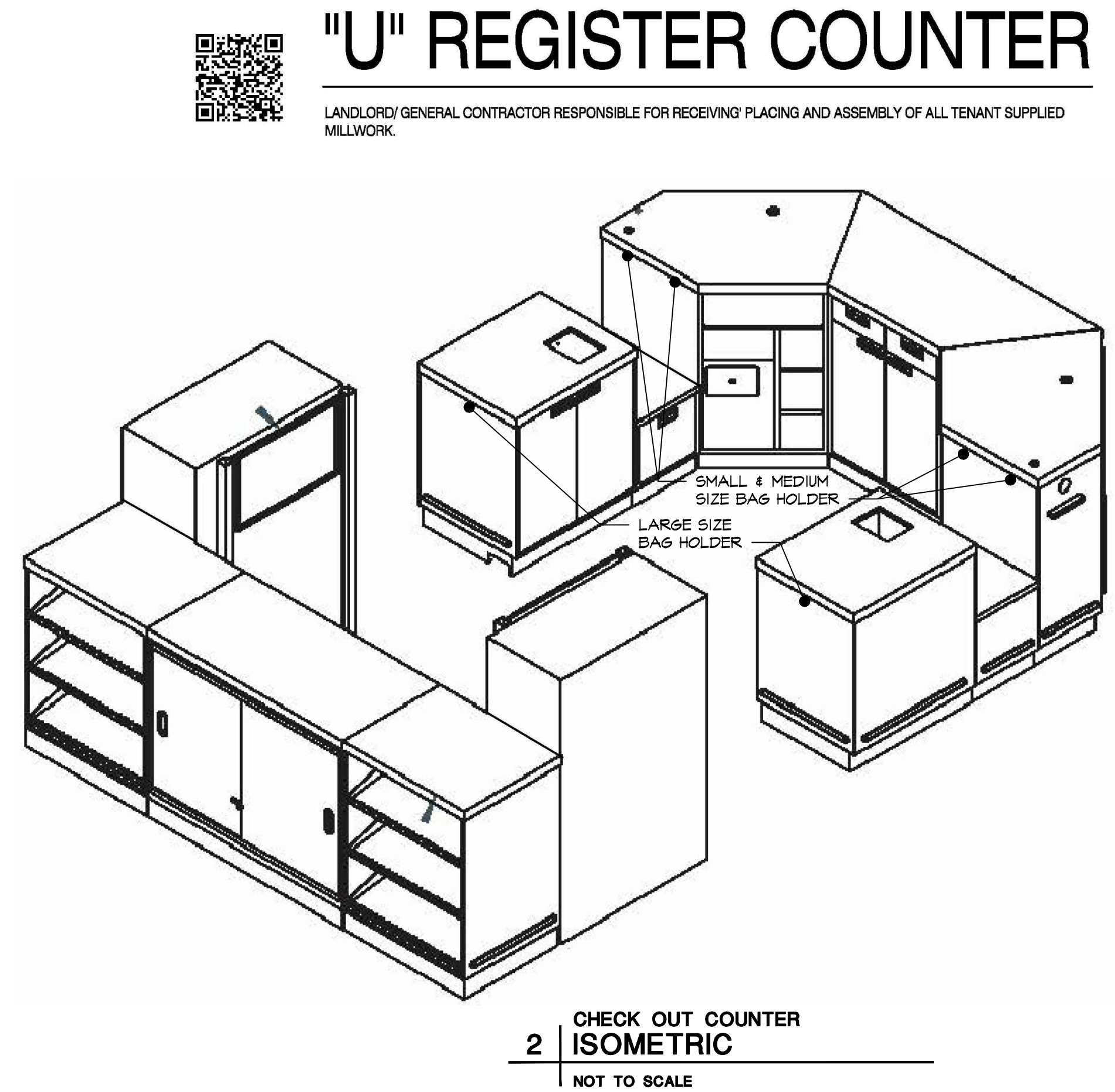
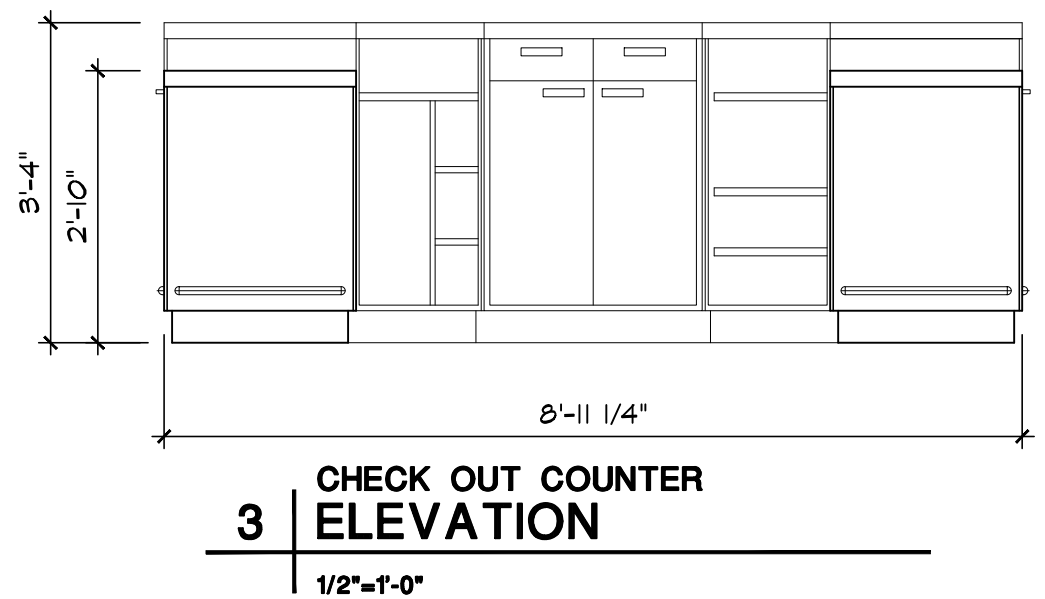
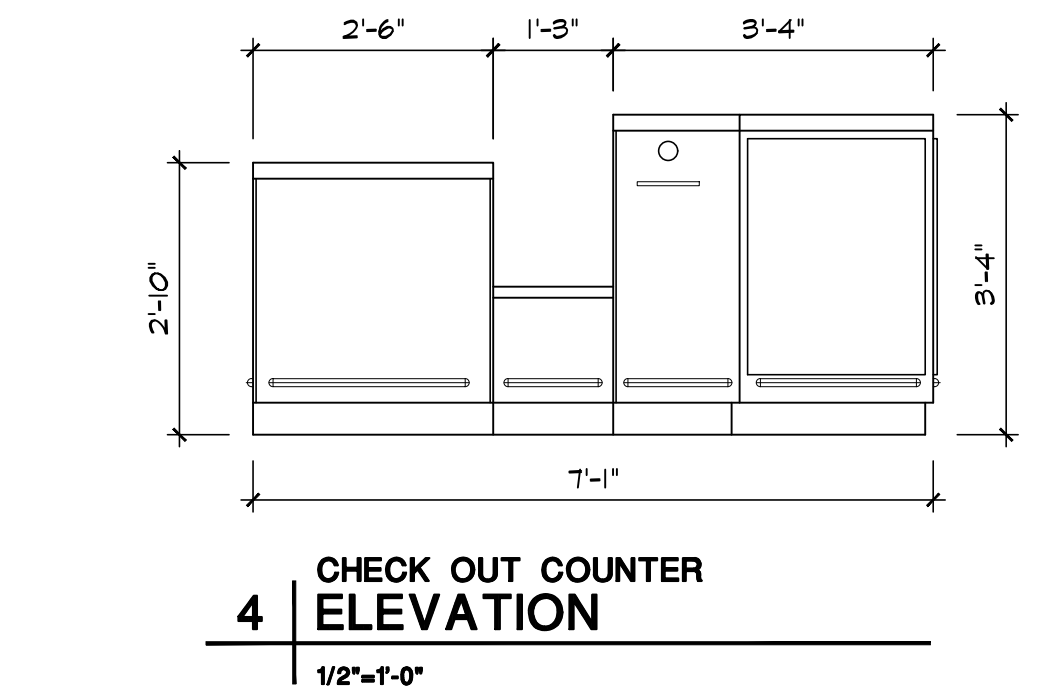
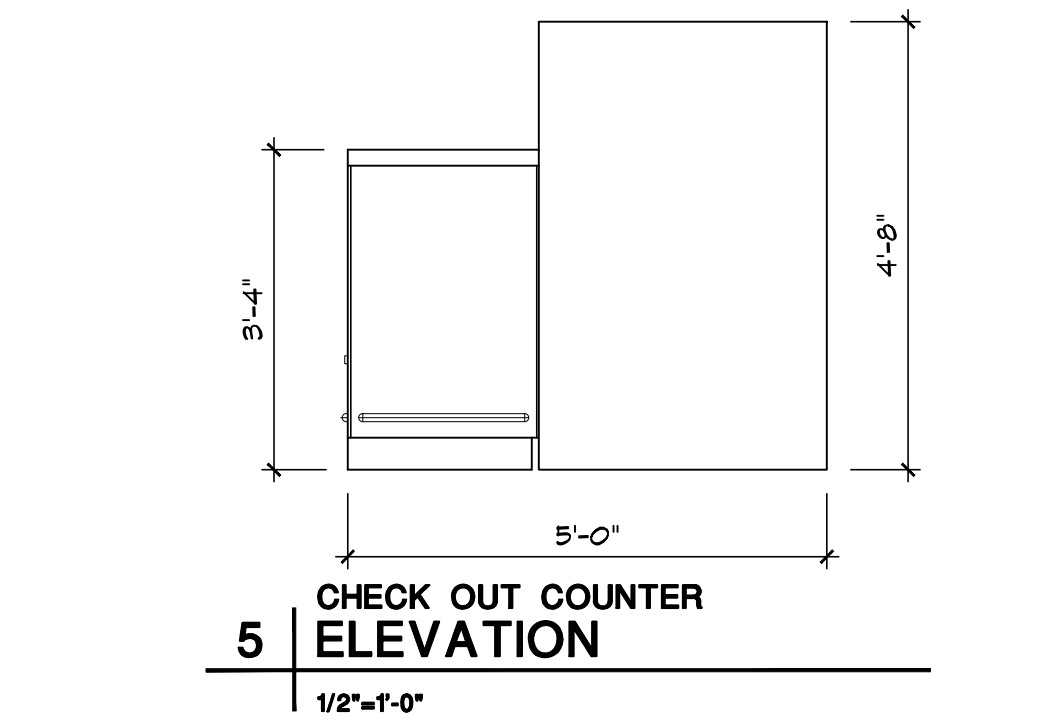
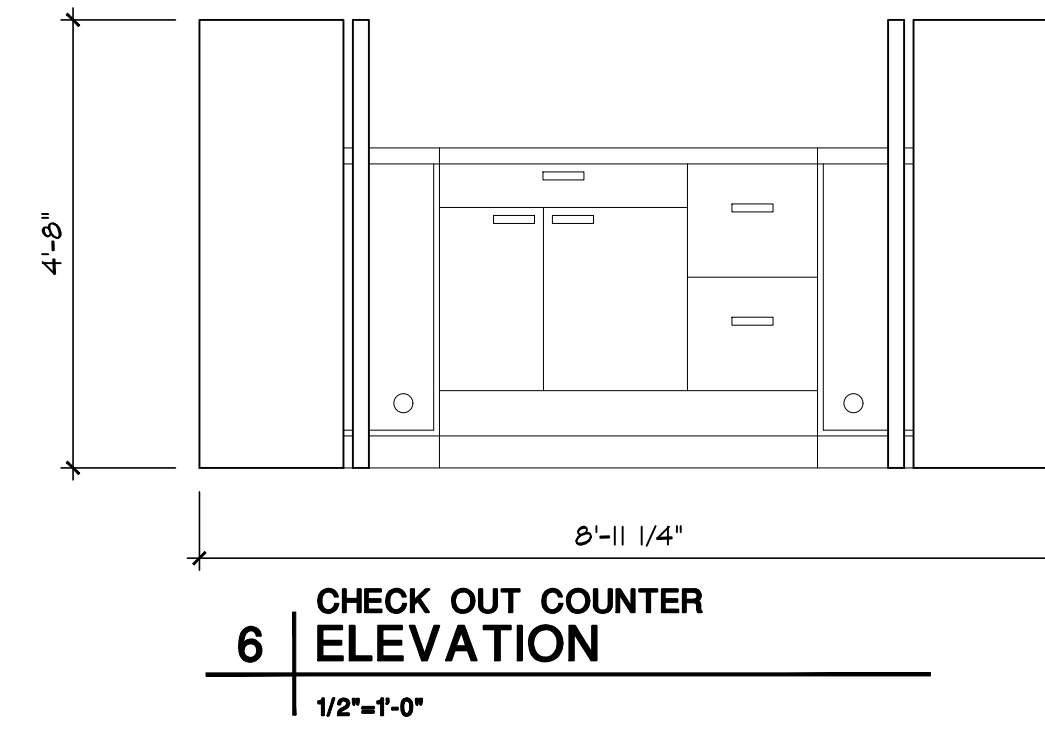
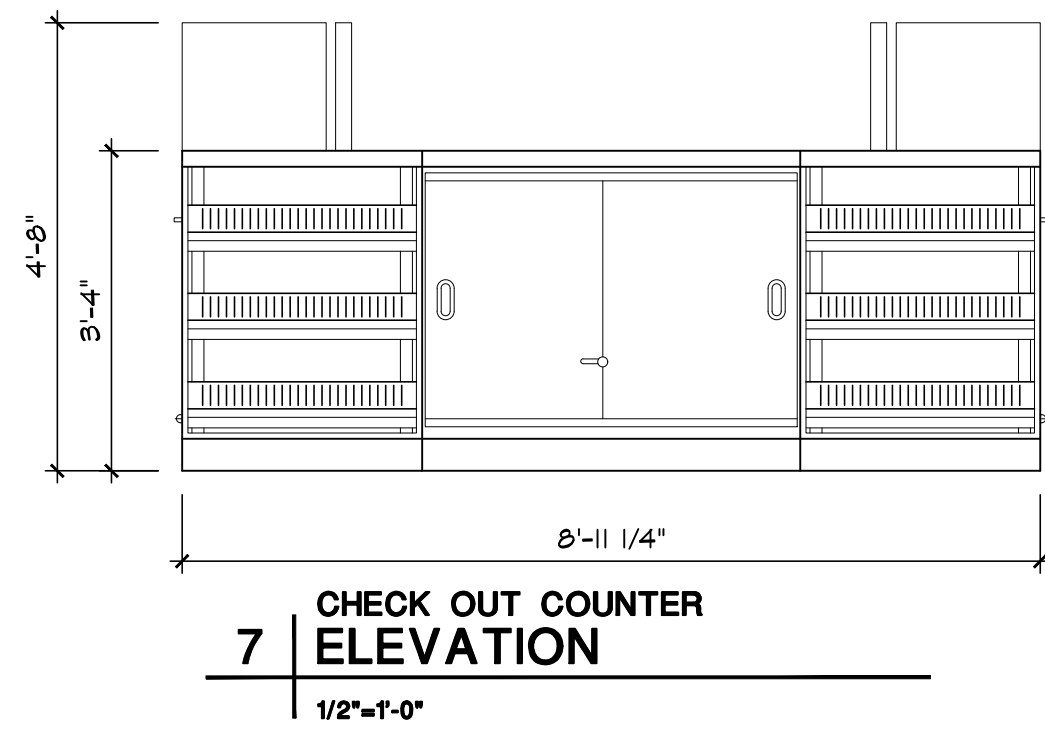
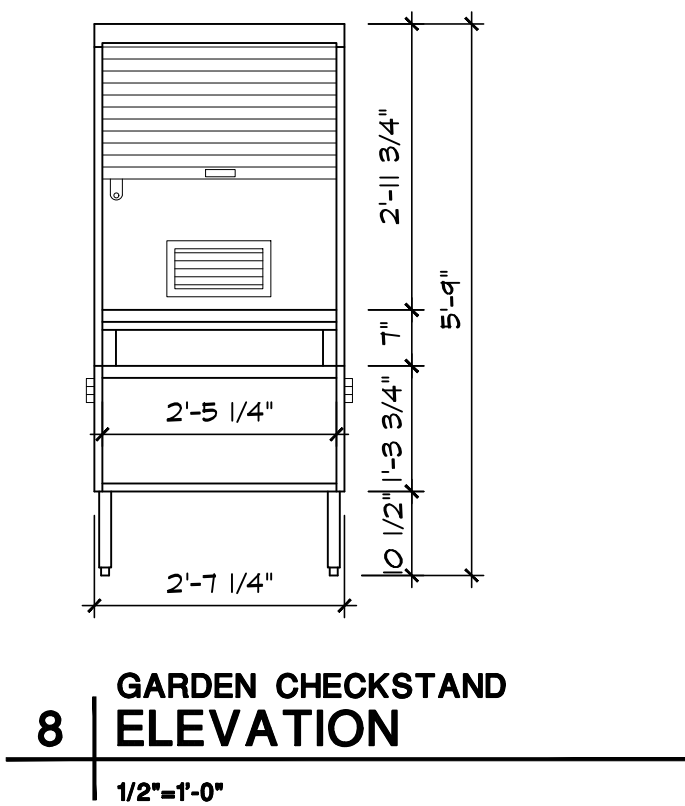
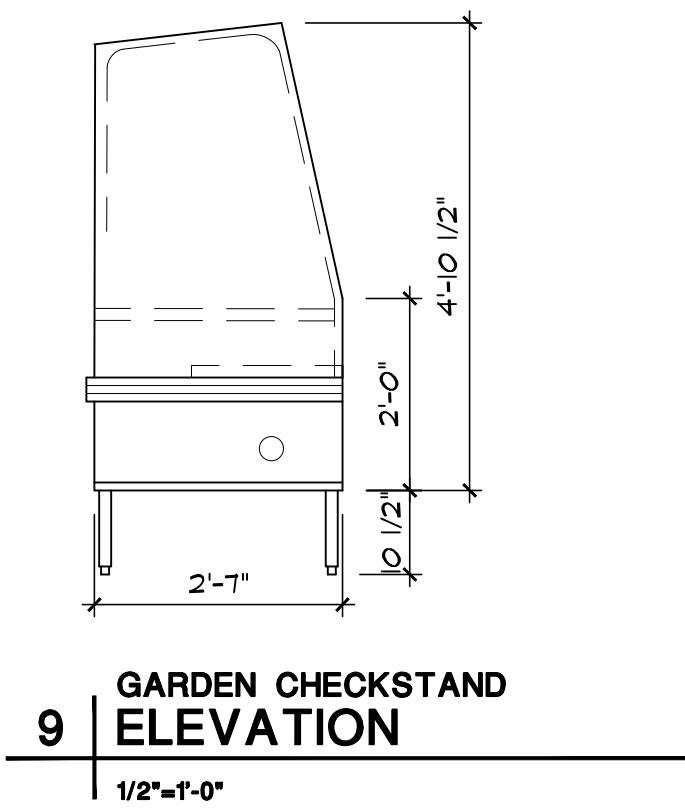
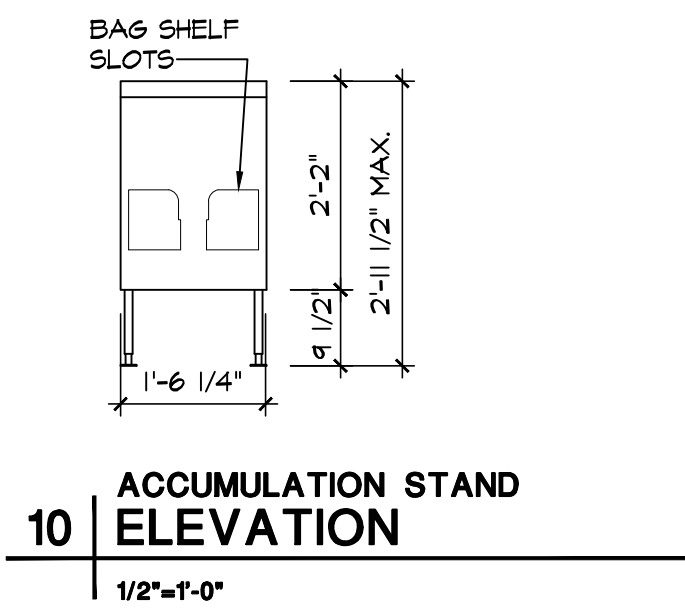
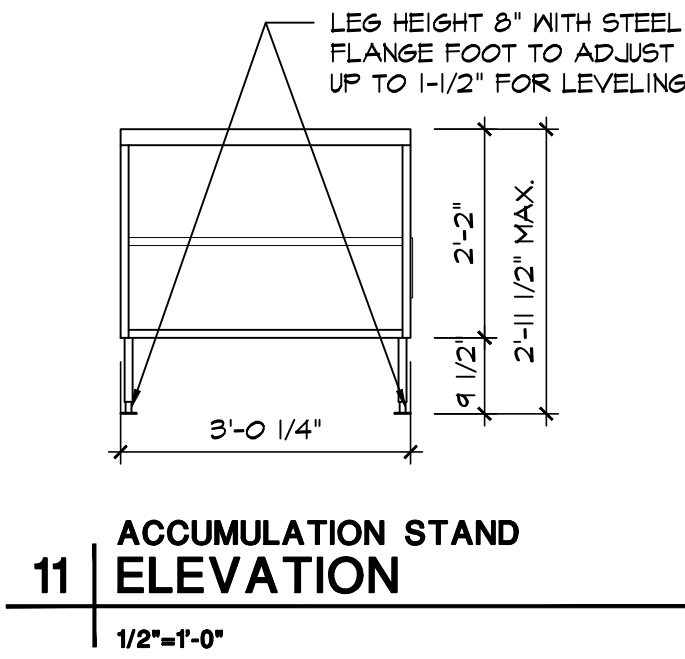


Project No: 19982  
Drawn By:  
Date: 6-10-22  
Issue: PERMIT











GENERAL NOTES:

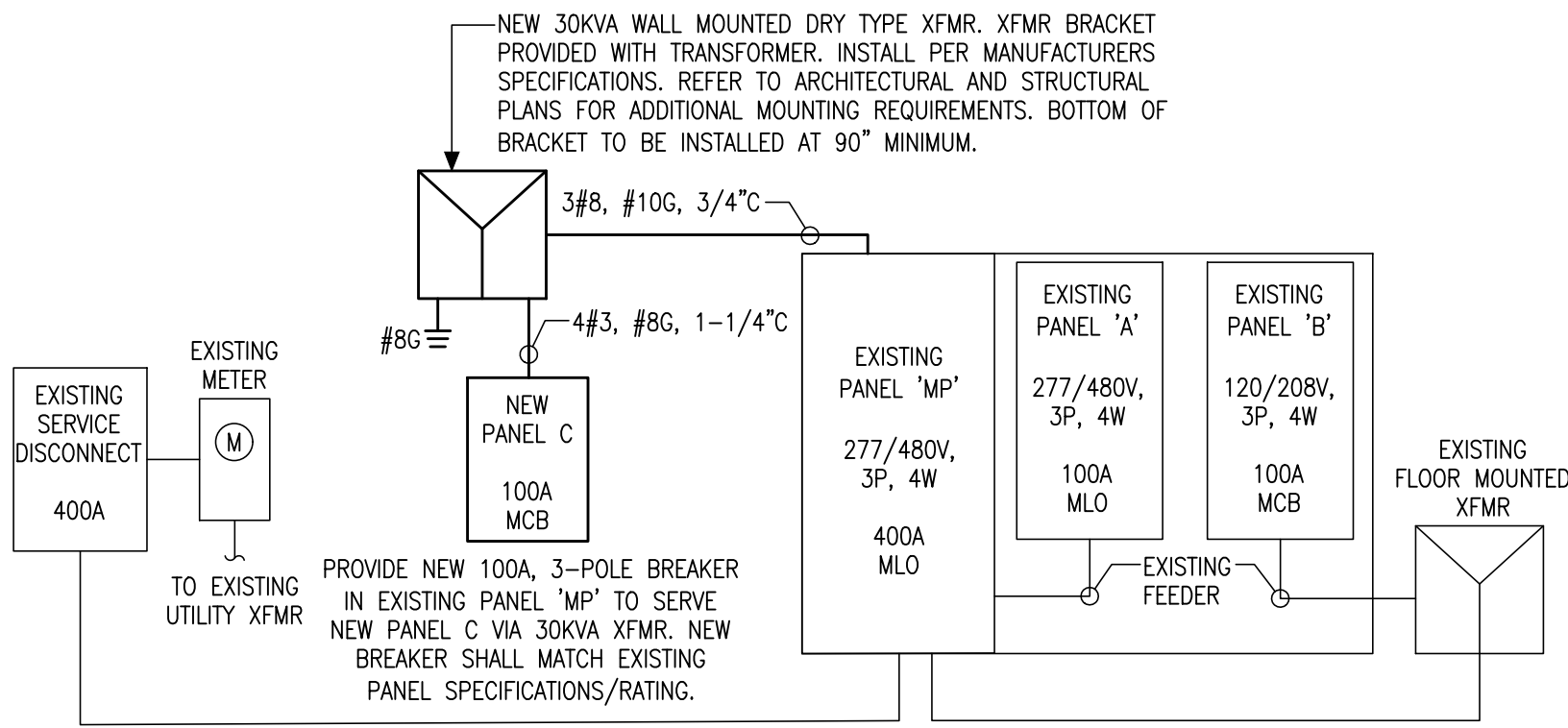
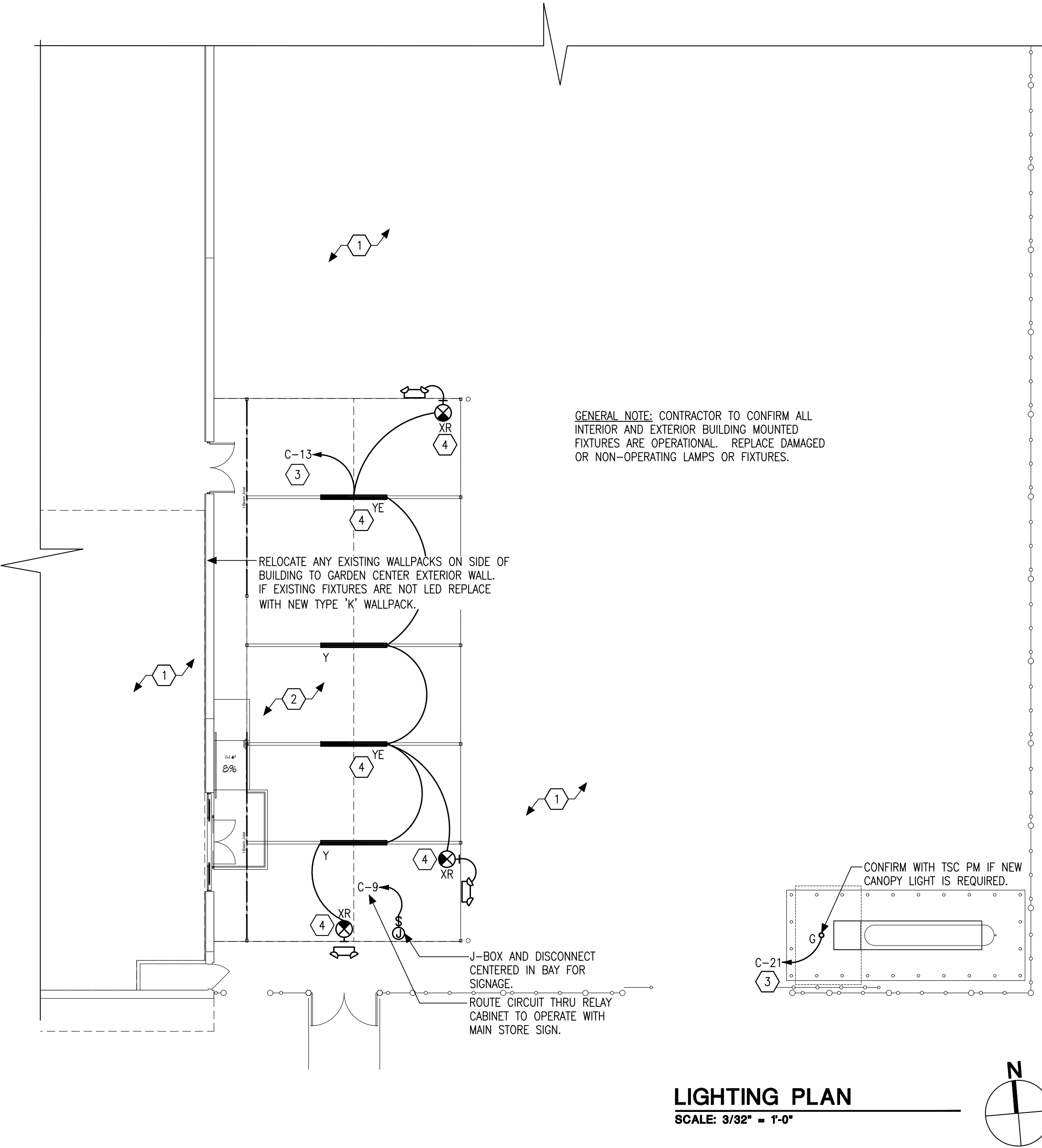
- ALL DEVICES, EQUIPMENT, FIXTURES, ETC. MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR. MECHANICAL/ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL ALSO BE MAINTAINED.
- BRANCH CIRCUIT WIRE SIZES (AND CONDUITS) SHALL BE INCREASED FROM THOSE INDICATED ON THE PLANS TO PREVENT EXCESSIVE VOLTAGE DROP. BRANCH CIRCUITS SHALL BE INSTALLED WITH WIRES OF SUFFICIENT SIZE SO THAT VOLTAGE DROP BETWEEN THE PANEL AND THE LOADS DOES NOT EXCEED A LIMIT OF 3%.
- CIRCUITS MAY BE COMBINED IN CONDUIT PROVIDED WIRE IS PROPERLY DERATED AND CONDUIT SIZED PER CODE. UNDER NO CIRCUMSTANCES SHALL MORE THAN NINE (9) CURRENT CARRYING CONDUCTORS BE RUN IN A SINGLE CONDUIT.
- ALL CONDUITS SHALL CONTAIN A GROUND WIRE SIZED PER NEC TABLE #250-122. WHERE CIRCUIT CONDUCTORS ARE INCREASED IN SIZE FOR VOLTAGE DROP, THE GROUND WIRE SIZE SHALL BE INCREASED PROPORTIONATELY (ACCORDING TO CIRCULAR MIL AREA) FROM THE SIZE REQUIRED BY NEC TABLE #250-122.
- EXPPOSED CONDUITS, WHERE PERMITTED, SHALL BE RUN PARALLEL TO OR AT RIGHT ANGLES TO BUILDING STRUCTURAL MEMBERS.
- ALL DEVICE COVER PLATES SHALL BE WHITE UNLESS NOTED OTHERWISE.
- EXPPOSED STRUCTURAL METAL BUILDING FRAME SHALL BE BONDED TO THE NEAREST GROUNDING ELECTRODE, GROUNDED CONDUCTOR AT SERVICE OR GROUNDING ELECTRODE CONDUCTOR OF SUFFICIENT SIZE.
- ELECTRICAL PANELBOARDS SHALL BE PROPERLY LABELED FOR NEW AND EXISTING CIRCUIT BREAKERS.

KEYED NOTE SCHEDULE

- ENSURE ALL EXISTING SITE POLES AND INTERIOR/EXTERIOR LIGHTING FIXTURES ARE IN GOOD WORKING ORDER. REPAIR AND/OR REPLACE FIXTURES AS NEEDED. BID AS ALTERNATE IF REPAIRS ARE NEEDED.
- COORDINATE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- PROVIDE (3)#12, #12G, 3/4" C TO 20A, 120V LIGHTING CIRCUIT, ROUTE CIRCUIT THROUGH LIGHTING CONTACT/RELAY CABINET TO OPERATE LIGHTING WITH RETAIL SPACE PROVIDE SWITCHED HOT FOR EMERGENCY BALLASTS/BATTERY AS NEEDED. PROVIDE ADDITIONAL RELAYS AS NEEDED. COORDINATE EXACT REQUIREMENTS.
- CIRCUIT EMERGENCY BALLAST/BATTERY BACKUP TO UNSWITCHED CONTINUOUSLY HOT CONDUCTOR OF CIRCUIT INDICATED.

PANEL:				MAIN: 100A MAIN CIRCUIT BREAKER				VOLTAGE: 120/208							
C (NEW)								PHASE: 3		WIRE: 4		BUS AMPS: 100		AIC: 10K	
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	1.6	2.6			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			1.9	0.9	SELF CHECKOUT		20/1		6		
7		20/1	FIXTURE RECEPTACLES	0.6	2.4			1.8	CIRCULATING FANS		20/1		8		
9	LZ3	20/1	SIGNAGE	0.5		1.5		1.0	CHICK DAYS POWER REEL		20/1		10		
11		20/1	SALES FLOOR AH COOLER	0.8			1.8	1.0	CHICK DAYS POWER REEL		20/1		12		
13	LZ1A	20/1	GARDEN CENTER LIGHTS	0.6	0.6			0.0	SPARE		20/1		14		
15		20/1	FUTURE REGISTER	0.5		0.5		0.0	SPARE		20/1		16		
17		20/1	SLIDING GATE	1.2			1.2	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		0.5		0.5	SPRINKLER AIR COMPRESSOR		20/1		22		
23		20/1	SPARE	0.0			0.5	0.5	AUTOMATIC DOOR		20/1		24		
25			SPACE						SPACE				26		
27			SPACE						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		
NOTES:				TOTAL KVA PER PHASE:			NOTES:								
L HANDLE LOCK				5.6			LZ1A ROUT THRU RELAY ZONE #1A (EMPLOYEE)								
GFI GROUND FAULT INTERRUPTING				4.5			LZ1B ROUT THRU RELAY ZONE #2B (CUSTOMER)								
AFI ARC FAULT INTERRUPTING				5.4			LZ3 ROUT THRU RELAY ZONE #3 (EXTERIOR)								
CD CONTINUOUS DUTY				TOTAL KVA:			15.5								
H HACR RATED				TOTAL AMPS:			43.0								

LIGHT FIXTURE SCHEDULE							
MARK	SYMBOL	MANUFACTURER CATALOG NO.	MOUNTING	LAMPS	FIXTURE WATTS	VOLTAGE	DESCRIPTION
G	○	MAXLITE HLRS-45-U-L-P	PENDANT	5,760 LUMEN LED 5000K	42	UNIV.	CLASS 1 DIV. 2 PROPANE STATION LIGHT
Y	▬	METALUX 8VT2-LD5-9-DR-UNV-L850-CD1-WL-U	SURFACE	9000 LUMEN LED 5000K	66	UNIV.	8' LED STRIP WITH LENS AND GASKET
YE	▬	METALUX 8VT2-LD5-9-DR-UNV-EL10W-CD1-WL-U	SURFACE	9000 LUMEN LED 5000K	66	UNIV.	SAME AS "Y" BUT PROVIDE WITH INTEGRAL EMERGENCY BATTERY
F	○	HESSAIRE 20HAFO	PENDANT	N/A	120W	120V	20" INDUSTRIAL GRADE CIRCULATION FAN
K		LITHONIA DSXW1LED-10C-1000-50K-T3M-MVOLT-BBW-DOBXD	SURFACE	N/A	120W	120V	NEW LED WALLPACK IF REQUIRED TO REPLACE EXISTING NON-LED FIXTURES.
X	⦿	EXITRONIX LIGHTING VEX-U-BP-WB-WH	SURFACE	INCL.	-	UNIV.	LED EXIT SIGN
XR	⦿↔	EXITRONIX LIGHTING VEX-U-BP-WB-WH-R6/MLED2-G-WP	SURFACE	INCL.	-	UNIV.	LED EXIT SIGN WITH EXTERIOR REMOTE HEADS
NOTES: 1. EC SHALL ORDER LIGHTING FIXTURES & POWER POLES THROUGH TRACTOR SUPPLY COMPANY'S NATIONAL AGREEMENT WITH VILLA LIGHTING SUPPLY, INC. CONTACT ANNE VOELKER (TRACTORSUPPLY@VILLALIGHTING.COM) AT 314-633-0554 FOR ORDER PLACEMENT. 2. EC IS NOT RESPONSIBLE FOR PURCHASING LIGHTING FIXTURES & POWER POLES AS VENDOR WILL INVOICE TRACTOR SUPPLY DIRECTLY.							



1 ONE-LINE DIAGRAM

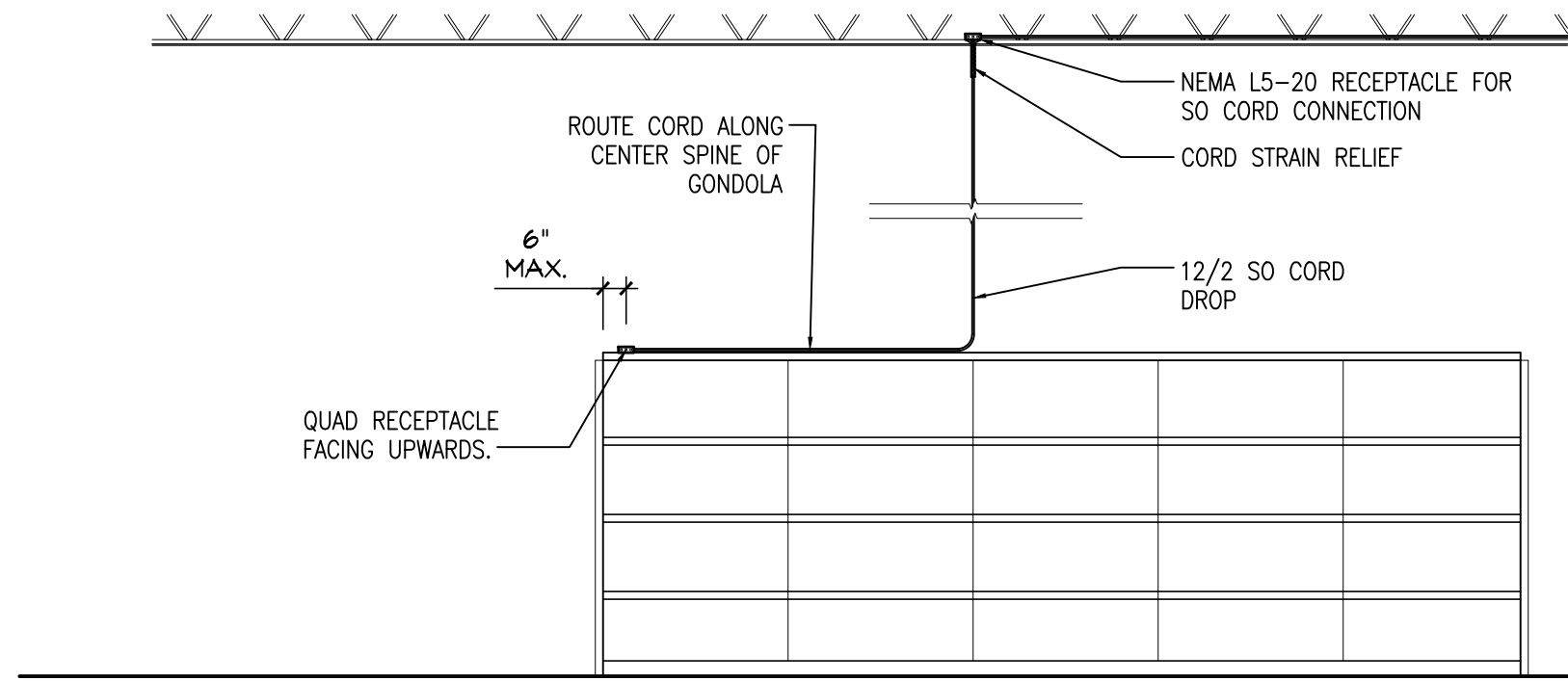
N.T.S.

ELECTRICAL SERVICE CALCULATIONS  
EXISTING PEAK DEMAND LOAD: 71.0 KW / .9PF = 78.9 KVA  
78.9 X 1.25% = 98.7 KVA  
ADDED LOAD = 15.5 KVA  
TOTAL LOAD = 114.2 KVA = 137.4A  
SERVICE SIZE = 400A @ 277/480V, 3PH, 4W

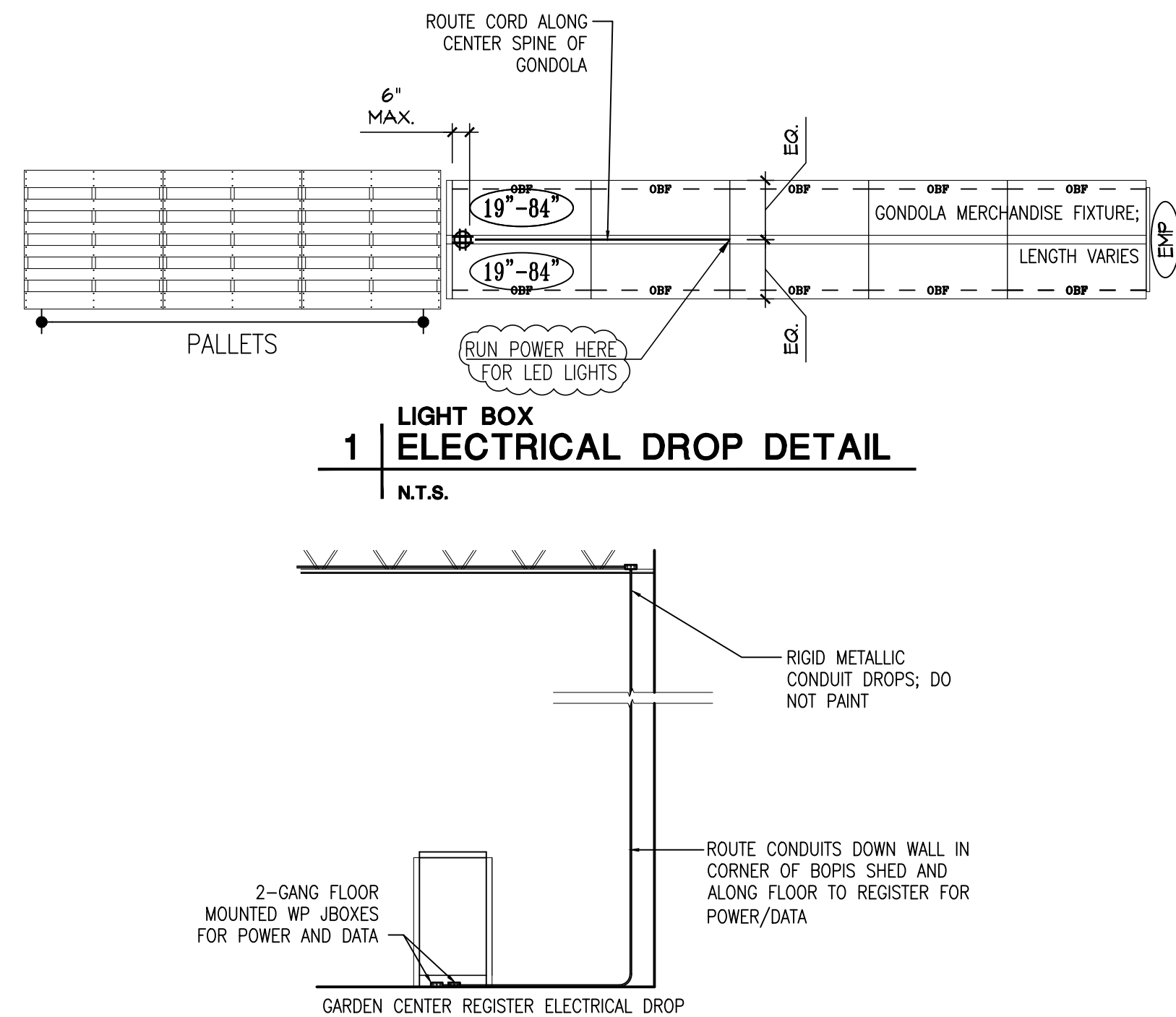


KEYED NOTE SCHEDULE

- JUNCTION BOX FOR POWER CONNECTION TO MOTORIZED DOOR. COORDINATE EXACT LOCATION AND REQUIREMENTS W/ DOOR VENDOR.
- PROVIDE POWER AND DATA FOR REGISTER, SEE DETAIL 1 ON THIS SHEET. PROVIDE 120V, 20A CIRCUIT TO JUNCTION BOX. PROVIDE 1" C WITH CAT 6 CABLEING BACK TO DATA RACK.
- REPAIR OR REPLACE ANY DAMAGED OUTLETS, RECEPTACLES, AND RECEPTACLE COVERS. ENSURE ALL RECEPTACLES ON EXTERIOR OF BUILDING ARE IN PROPER WORKING ORDER, ARE GFI PROTECTED, AND HAVE A WEATHERPROOF WHILE-IN-USE TYPE COVER.
- REPAIR ALL ELECTRICAL CONCERNS IN THIS AREA. FIRE ALARM DETECTION AND NOTIFICATION DEVICES IN THIS AREA TO BE PROVIDED BY FIRE ALARM VENDOR.
- PROVIDE 120V, 20A DEDICATED CIRCUIT FOR DRY-SPRINKLER SYSTEM COMPRESSOR. PROVIDE FIRE ALARM SYSTEM CONNECTIONS FOR TAMPER/FLOW/PRESSURE SWITCHES AS REQUIRED.
- 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.
- PROVIDE POWER FOR SLIDING GATE OPERATOR, DOORING 9150, 120V, 1/2HP (OR APPROVED EQUAL). COORDINATE EXACT REQUIREMENTS W/ GATE VENDOR. PROVIDE CONTROL WIRING AS REQUIRED PER VENDOR RECOMMENDATIONS.
- "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 #HBLC40123TIT.
- 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 BLACK 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. REFER TO FUSION CASHWRAP DETAIL ON THIS SHEET.
- ROUTE TWO CAT6 CABLES FROM SELF CHECKOUT TO THE IT RACK. PROVIDE 20' OF CABLE AT BOTH ENDS COILED AT CEILING W/ LABELS.
- 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 POWER POLE IS ABLE TO REMAIN IN POSITION AND THE ROOF CAN FLEX DURING EXPANSION AND CONTRACTION W/OUT DAMAGING THE POWER POLE.
- PROVIDE NEW JUNCTION BOX FOR HAND DRYER, COORDINATE MOUNTING HEIGHT AND EXACT LOCATION W/ ARCHITECT.
- PROVIDE WP SIMPLEX RECEPTACLE AT GARDEN CENTER AND FEED STORAGE STRUCTURE FOR CIRCULATING FANS, CIRCUIT THRU WALL SWITCH AS SHOWN.
- PROVIDE POWER FOR SUSPENDED TV @ 9'-6" AFF LOCATED ABOVE CASHWRAP, COORDINATE LOCATION W/ LOW VOLTAGE VENDOR. RCPT TO BE INSTALLED ON INSIDE OF STEEL BRACKET, ROUTE MC CABLE ON OUTSIDE OF SUSPENSION POLE SECURED TO POLE.



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

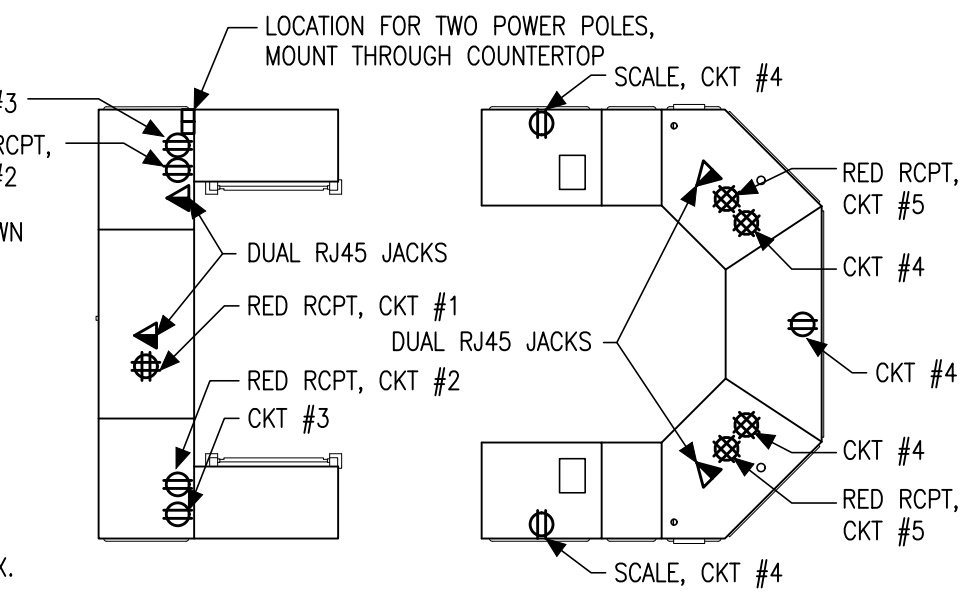


2 GARDEN CENTER / FEED STORAGE REGISTER ELECTRICAL DROP  
N.T.S.

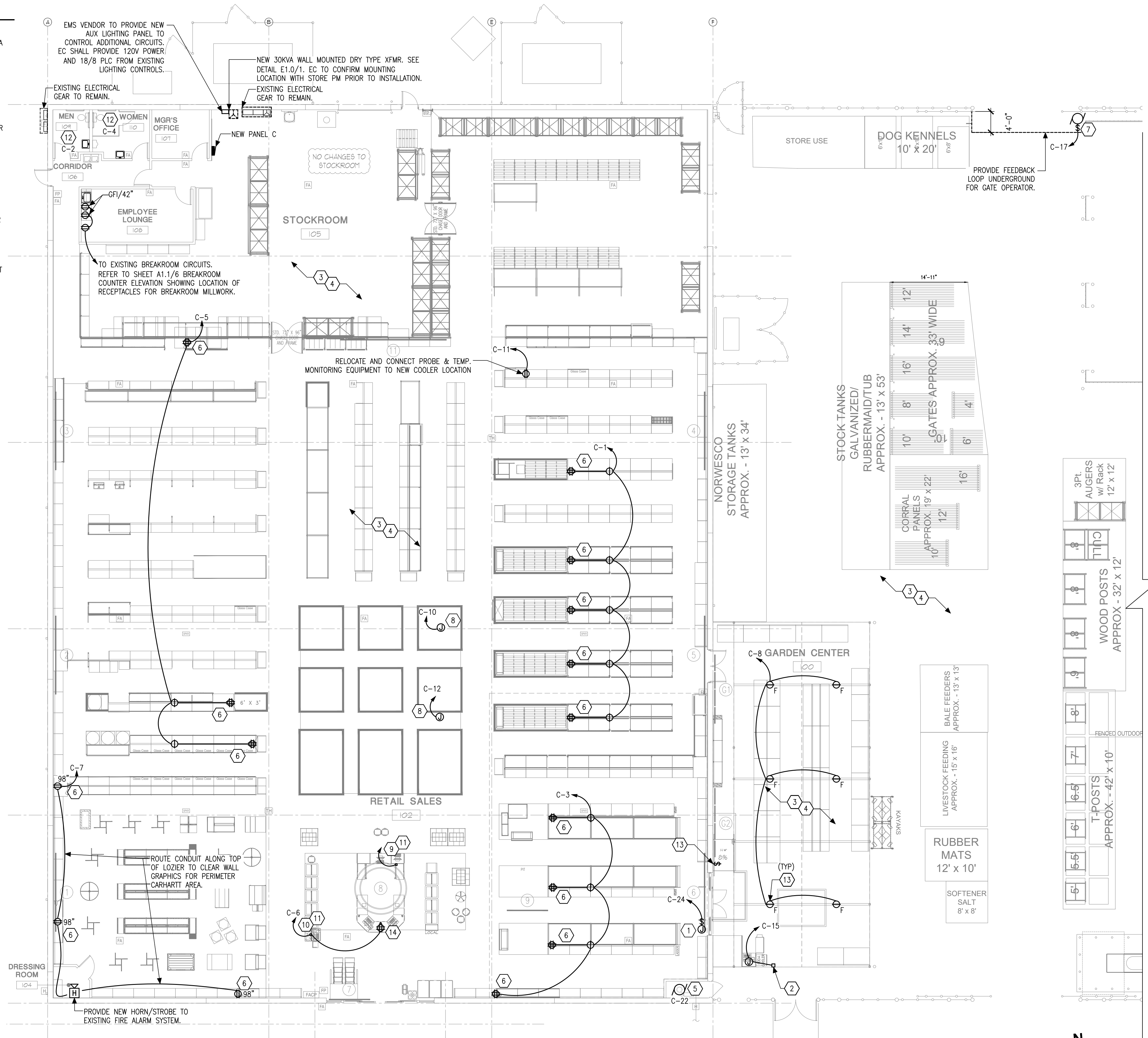
NOTE: J-BOXES FOR RECEPTACLES SHOWN ARE PRE-MOUNTED INTEGRAL TO THE CASEWORK. CONTRACTOR SHALL PROVIDE J-BOXES FOR DATA OUTLETS, VERIFY LOCATION WITH TSC PM.

EC SHALL VERIFY EXISTING CIRCUITS FEEDING CASHWRAP IN FIELD AND RECONNECT AS REQUIRED, MINIMUM OF (5) CIRCUITS TO BE PROVIDED.

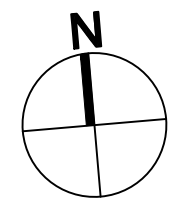
(2) RED RECEPTACLES PER CIRCUIT, MAX.



3 FUSION CASHWRAP DETAIL  
N.T.S.



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



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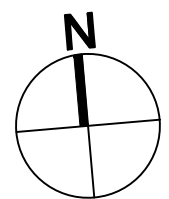
FUSION / SIDE LOT  
**COMBO PROJECT**  
STORE #550  
5369 WEST US HWY 90  
LAKE CITY, FL 32055

Project No: 19982  
Drawn By: M.M.  
Date: 6-10-22  
Issue: PEP/MT

E2.0

POWER PLAN







\\SFB\TSC Combo\Winners\Law\_M\000-Reg  
Drawn By:Matthew McFadden  
TSC Combo\Winners\Law\_M\000-Reg  
TSC Vendor Supply Co\2022 Projects\19862 840 Lake City FL Combo\LOT TSC Combo Lake City FL E3.1.dwg

ELECTRICAL SYMBOL LEGEND		
SYMBOL	DESCRIPTION	MTG. HGT. (U.N.O.)
\$	LIGHT SWITCH	48"
\$os	WALL MOUNTED OCCUPANCY SENSOR	48"
Ⓢ	CEILING MOUNTED OCCUPANCY SENSOR	
ⓘ / ⓘ / ⓘ	SINGLE / DUPLEX / DOUBLE DUPLEX RECEPTACLE	18"
ⓘ <sup>g</sup> / ⓘ <sup>g</sup> / ⓘ <sup>g</sup>	RECEPTACLE WITH GROUND FAULT PROTECTION	18"
ⓘ <sup>w</sup> / ⓘ <sup>w</sup> / ⓘ <sup>w</sup>	WEATHER RESISTANT RECEPTACLE WITH WEATHERPROOF IN-USE COVER	18"
ⓘ <sup>w</sup> / ⓘ <sup>w</sup> / ⓘ <sup>w</sup>	WEATHER RESISTANT RECEPTACLE	18"
ⓘ	JUNCTION BOX	
Ⓢ	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"
Ⓢ	BELL/BUZZER	
Ⓢ	PANELBOARD	
○	MOTOR	
□	NON-FUSED DISCONNECT	
Ⓢ	HORN/STROBE	
Ⓢ	DUCT SMOKE DETECTOR	

## ELECTRICAL SPECIFICATIONS

### SECTION 16010 – ELECTRICAL GENERAL PROVISIONS

- 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.
- 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.
- DEFINITIONS:
  - THE TERM "FURNISH" SHALL MEAN TO SUPPLY AND DELIVERY TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS.
  - 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.
  - THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.
- 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.
- 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.
- 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.
- SECURE AND PAY FOR PERMITS AND INSPECTIONS REQUIRED FOR THE ELECTRICAL WORK.
- WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF LOCAL AND STATE CODES, AS WELL AS THE LATEST ADOPED VERSION OF THE NATIONAL ELECTRICAL CODE, AS INTERPRETED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- 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.
- 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.
- 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.
- PROVIDE A MINIMUM OF ONE WEEK'S NOTICE TO THE OWNER BEFORE ANY SERVICE SHUTDOWN IS SCHEDULED.
- 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.
- EQUIPMENT AND MATERIALS USED ON THIS PROJECT SHALL BE NEW AND U.L. LABELED FOR THE APPLICATION.
- 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.
- 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.
- AFTER INSTALLATION, TEST FOR GROUNDS, SHORT CIRCUITS AND PROPER FUNCTION OF EACH SYSTEM AND RELATED WIRING. FAULTS IN THE INSTALLATION SHALL BE CORRECTED.
- INSULATION RESISTANCE TESTS SHALL BE MADE ON THE ELECTRICAL SYSTEM WITH AN APPROVED MEGOHMMETER.
- A GROUND CONTINUITY TEST SHALL BE MADE ON THE ENTIRE GROUNDING SYSTEM FROM THE SERVICE TO EVERY OUTLET.
- 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.
- 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.
- 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.
- 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.
- 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.

- ~~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.
- 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

- 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.
- CONDUITS SHALL BE:
  - RIGID OR INTERMEDIATE GRADE GALVANIZED STEEL CONDUIT IN WET LOCATIONS, CONCRETE, EXTERIOR MASONRY WALLS AND EXPOSED LOCATIONS SUBJECT TO DAMAGE.
  - GALVANIZED STEEL ELECTRICAL METALLIC TUBING IN DRY LOCATIONS, INTERIOR PARTITIONS AND CEILING SPACE.
  - FLEXIBLE METAL CONDUIT FOR FINAL CONNECTIONS TO TRANSFORMERS, MOTORS AND EQUIPMENT.
  - LIQUID-TIGHT FLEXIBLE METAL CONDUIT IN WET AND DAMP LOCATIONS.
  - FLEXIBLE METALLIC TUBING FROM OUTLET BOX TO RECESSED LIGHT FIXTURES IN SUSPENDED CEILINGS, SIX FOOT MAXIMUM LENGTH.
  - SCHEDULE 40 PVC RIGID NON-METALLIC CONDUIT BURIED BELOW GROUND FLOOR SLAB AND FOR EXTERIOR UNDERGROUND.
  - 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.
  - 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.
  - CONDUIT FITTINGS FOR RIGID CONDUIT SHALL BE THREADED CAST FERROUS ALLOY WITH GASKETS AND COVERS WHERE REQUIRED. CONDUIT FITTINGS FOR EMT USE 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.
  - 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.
  - RIGID CONDUITS SHALL BE TERMINATED IN SHEET STEEL WITH DOUBLE LOCKNUTS AND AN INSULATING BUSHING. EMPTY CONDUITS STUBBED SHALL BE THREADED AND CAPPED.
  - NYLON PULL LINE SHALL BE INSTALLED IN ALL EMPTY CONDUITS.
  - 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.
  - ALL CONDUITS SHALL BE SIZED AND INSTALLED SO THAT THE REQUIRED NUMBER OF CONDUCTORS MAY BE PULLED IN WITHOUT INJURY OR STRAIN.
  - CONDUIT RUNS SHALL BE LOCATED TO AVOID EQUIPMENT AND ACCESS TO EQUIPMENT OF OTHER TRADES.
  - 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.
  - 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.
  - ENDS OF EACH CONDUIT SHALL BE CAPPED WITH AN APPROVED CAP OR DISC TO PREVENT THE ENTRANCE OF FOREIGN MATERIALS DURING CONSTRUCTION.
  - CONDUITS THAT PASS THROUGH FIRE OR SMOKE-RATED WALLS, CEILINGS, OR DECKS SHALL BE INSTALLED SO AS TO MAINTAIN THE FIRE OR SMOKE RATING.
  - EXPANSION FITTINGS SHALL BE INSTALLED AT ALL POINTS WHERE CONDUITS CROSS BUILDING EXPANSION JOINTS.
  - CONDUIT ENTRIES INTO BUILDING SHALL BE MADE WATERTIGHT. ALL UNDERGROUND JOINTS SHALL BE SEALED.
  - EXTERIOR UNDERGROUND CONDUITS SHALL BE INSTALLED 36 INCHES MINIMUM BELOW FINISHED GRADE.
- BUSHINGS, LOCKNUTS AND CONNECTORS:
  - 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.
- FEEDER AND BRANCH CIRCUIT CONDUCTORS:
  - FEEDER AND BRANCH CIRCUIT CONDUCTORS SHALL BE U.L. LABELED, 98%%% CONDUCTIVITY COPPER-STAMPED AT 2 FT. INTERVALS WITH CONDUCTOR SIZE AND INSULATION TYPE.
  - FEEDER CIRCUIT CONDUCTORS SHALL BE TYPE "XHHW-2" OR "THHN," 600 VOLT, STRANDED COPPER, 90 DEGREE C RATED.
  - 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.
  - MINIMUM WIRE SIZE SHALL BE #12 AWG OR LARGER AS REQUIRED TO LIMIT VOLTAGE DROP AT FURTHEST OUTLET TO 3%.
- WIRE AND CABLE INSTALLATION:
  - PULL WIRE AND CABLES INTO CONDUIT USING IDEAL INDUSTRIES "YELLOW 190", OR EQUIVALENT.
  - 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.
  - 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 REQUIREMENTS. NEUTRAL CONDUCTORS IN RECEPTACLE CIRCUITS SERVING DATA EQUIPMENT LOADS SHALL NOT BE SHARED.

- 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:

- 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.
  - 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.
  - 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.
  - 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:
- ADJACENT DEVICES SHALL BE MOUNTED IN GANGED BOXES WITH COMMON COVER PLATES.
  - VERIFY MOUNTING HEIGHTS AND LOCATIONS WITH THE ARCHITECT BEFORE ROUGH-IN. REFER TO DETAILS AND INTERIOR WALL ELEVATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS.
  - OUTLETS SHALL NOT BE INSTALLED BACK TO BACK.
  - ALL RECEPTACLES SHALL BE MOUNTED WITH THE GROUND OPENING ABOVE THE PHASE AND NEUTRAL OPENINGS.
  - ALL DEVICES SHALL BE SECURED WITH MORE THAN A SINGLE SCREW.

### 8. DISCONNECT SWITCHES

- 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.
  - 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. 1-1 ENCLOSURE FOR DRY LOCATIONS AND N.E.M.A. 3R ENCLOSURE FOR DAMP OR WET LOCATIONS.
  - 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:
- 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.
  - PROVIDE ANGLE IRON FRAMES AND SUPPORTS FOR JUNCTION BOXES AND CABINETS TO PREVENT STRAIN ON ENTERING CONDUITS. GROUP EXPOSED CONDUITS TOGETHER. CONDUIT PENETRATIONS INCEILINGS SHALL BE TIGHT TO THE CONDUIT AND SEALED.
  - SUPPORT RIGID STEEL, IMC, AND EMT RACEWAYS AT MAX. TEN FEET INTERVALS AND WITHIN THREE FEET OF OUTLET AND JUNCTION BOXES, CABINETS OR FITTINGS. SUPPORT WITHIN 12" OF EACH CHANGE IN DIRECTION. USE ONE-HOLE MALLEABLE IRON CLAMPS. SUPPORT MULTIPLE RUNS ON GALVANIZED UNISTRUT.
  - 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.

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

- 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.
- 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

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

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FUSION / SIDE LOT  
**COMBO PROJECT**  
STORE #550  
5369 WEST US HWY 90  
LAKE CITY, FL 32065

Project No: 19982  
Drawn By: MAM  
Date: 6-10-22  
Issue: PEPFMT

E3.1

ELECTRICAL  
SPECIFICATIONS

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Cleveland, Ohio 44128  
FL LIC. AR 95693  
216.223.3200 onyxcreative.com



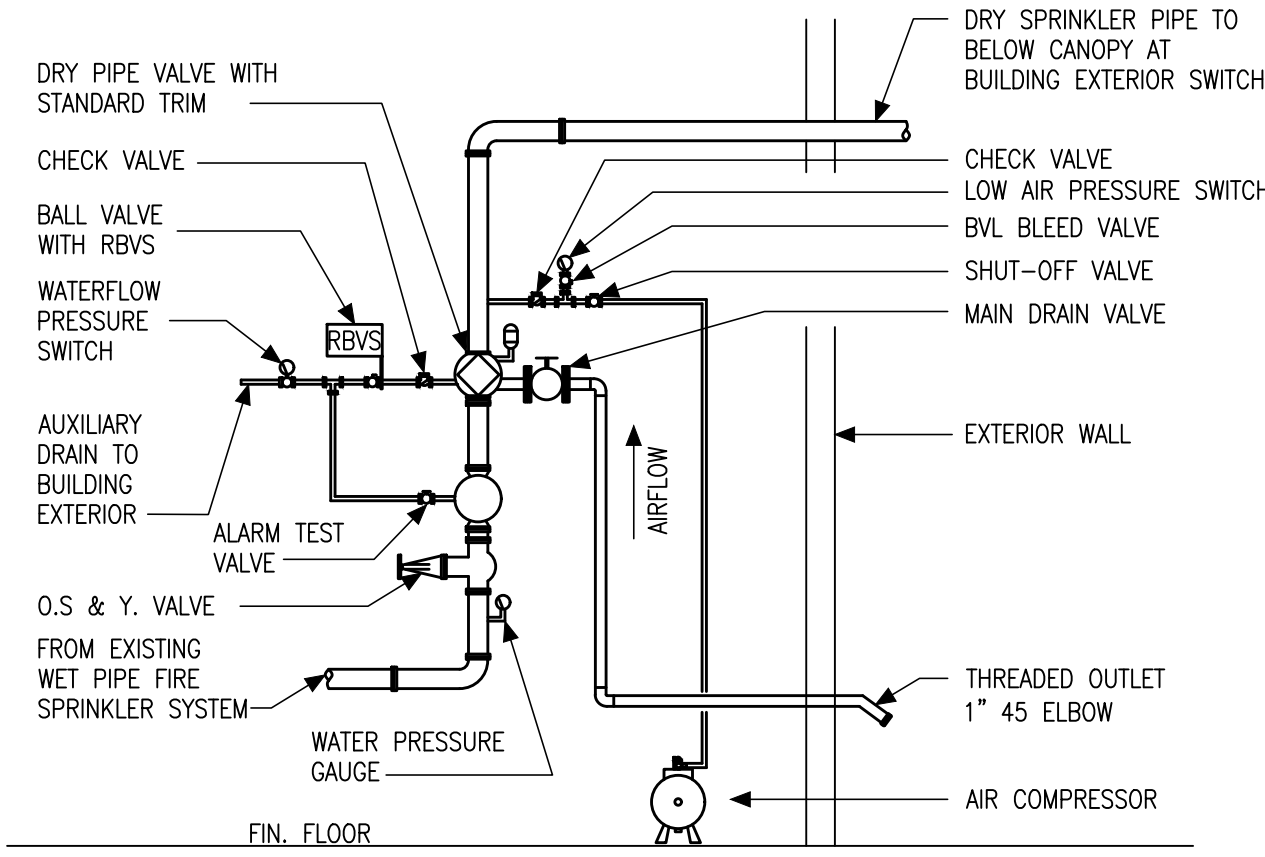
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Drawn By: Jesse DeWitt

FIRE PROTECTION NOTES:

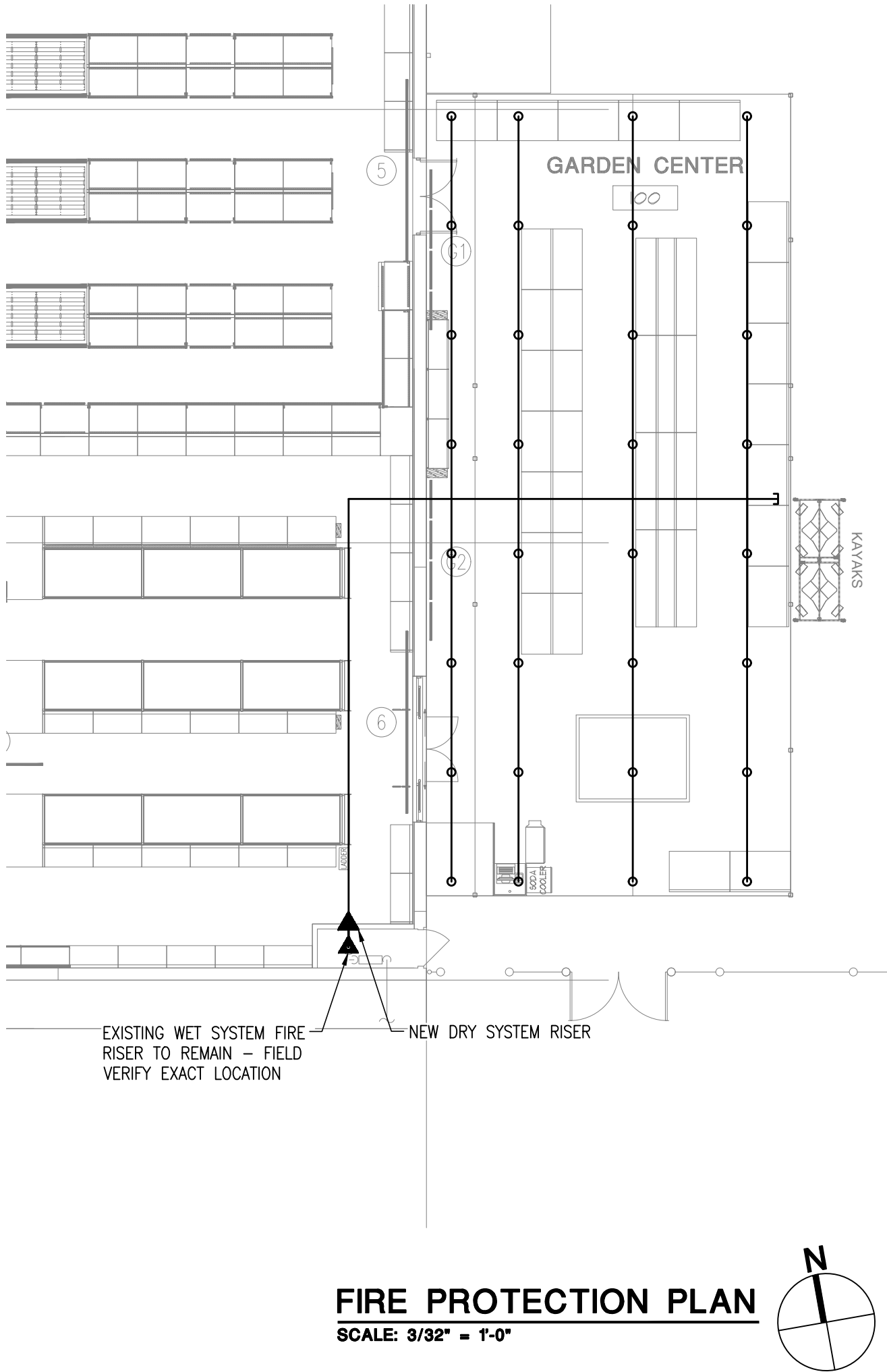
- A. PROVIDE COVERAGE PER NFPA 13 REQUIREMENTS.
- B. PROVIDE AND INSTALL DESIGN-BUILD SYSTEM TO MEET CODE REQUIREMENTS. PREPARE HYDRAULIC CALCULATIONS AND DESIGN DRAWINGS. OBTAIN ALL PERMITS, INSPECTIONS AND APPROVALS.
- C. PROVIDE FIRE STOPPING AT WALL PENETRATIONS, REFER TO ARCHITECTURAL PLANS FOR LOCATIONS.
- D. PROVIDE AND INSTALL RECESSED SPRINKLER TYPES IN ALL AREAS WITH FINISHED CEILINGS AND UPRIGHT SPRINKLER HEADS FOR AREAS WITHOUT CEILINGS.
- E. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS, MECHANICAL PLANS, LIGHTING PLANS, ETC. FOR COORDINATION AND PLACEMENT OF SPRINKLER HEADS AND PIPING. LIGHTING WILL HAVE HIGHEST PRIORITY.
- F. SPRINKLER HEADS THAT ARE LOCATED IN THE ACOUSTICAL PANELS OF THE CEILING GRID SHALL BE IN THE CENTER OF THE PANEL. THE EXACT LOCATION OF THE SPRINKLER HEADS SHALL BE DETERMINED AFTER CEILING GRID IS INSTALLED. DO NOT USE THE CEILING GRID PLANS TO DETERMINE THE LOCATION OF THE SPRINKLER HEADS.
- G. HYDRANT TEST DATA TO BE DETERMINED BY FIRE PROTECTION CONTRACTOR. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE TO DETERMINE IF A FIRE PUMP WILL BE REQUIRED, AND PROVIDE AND INSTALL AS NECESSARY.
- H. THE COMPLETE INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ALL STATE, LOCAL AND NATIONAL CODES, ALL APPLICABLE SECTIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION, AND DIVISION 13 SPECIAL CONSTRUCTION. NOTE: THE MOST STRINGENT SPECIFICATION REQUIREMENTS APPLY
- I. ALL ELECTRICAL CIRCUITS REQUIRED FOR EACH FIRE DETECTION SYSTEM, WATER FLOW ALARM AND VALVE SUPERVISION WIRING SHALL BE CHECKED BY THE FIRE PROTECTION CONTRACTOR TO ENSURE PROPER OPERATION. SPRINKLER SUPERVISORY DEVICES WILL BE COMPATIBLE WITH THE ALARM EQUIPMENT PANEL. COORDINATE WITH FIRE ALARM CONTRACTOR.

SPRINKLER LEGEND	
SYMBOL	DESCRIPTION
○	UPRIGHT HEAD (165°)
△	SPRINKLER RISER
●	CHROME PENDANT HEAD (165°)
⦿	DRY-TYPE RECESSED PENDANT HEAD (200°)

SPRINKLER INTENT INFORMATION	
	FEED STORAGE, GARDEN CENTER
ZONE CLASSIFICATION**	ORDINARY HAZARD GROUP 2
DENSITY	.20 GPM/SQ. FT.
COVERAGE AREA	2,000 SQ. FT.
COVERAGE PER SPRINKLER	130 SQ. FT.
DISCHARGE TEMPERATURE	165°F
MAXIMUM HEAD SPACING	15 FT.
HOSE STREAM ALLOWANCE	20 GPM



1 | DRY PIPE SPRINKLER RISER SCHEMATIC  
N.T.S.



THIS PLAN IS FOR GENERAL REFERENCE ONLY. ACTUAL DESIGN OF THE SPRINKLER SYSTEM, CALCS, GRID AND HEAD SPACING TO BE DESIGNED AND SUBMITTED BY THE FIRE PROTECTION DESIGNER.

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Issue: PERMIT

FP1.0

FIRE PROTECTION PLAN

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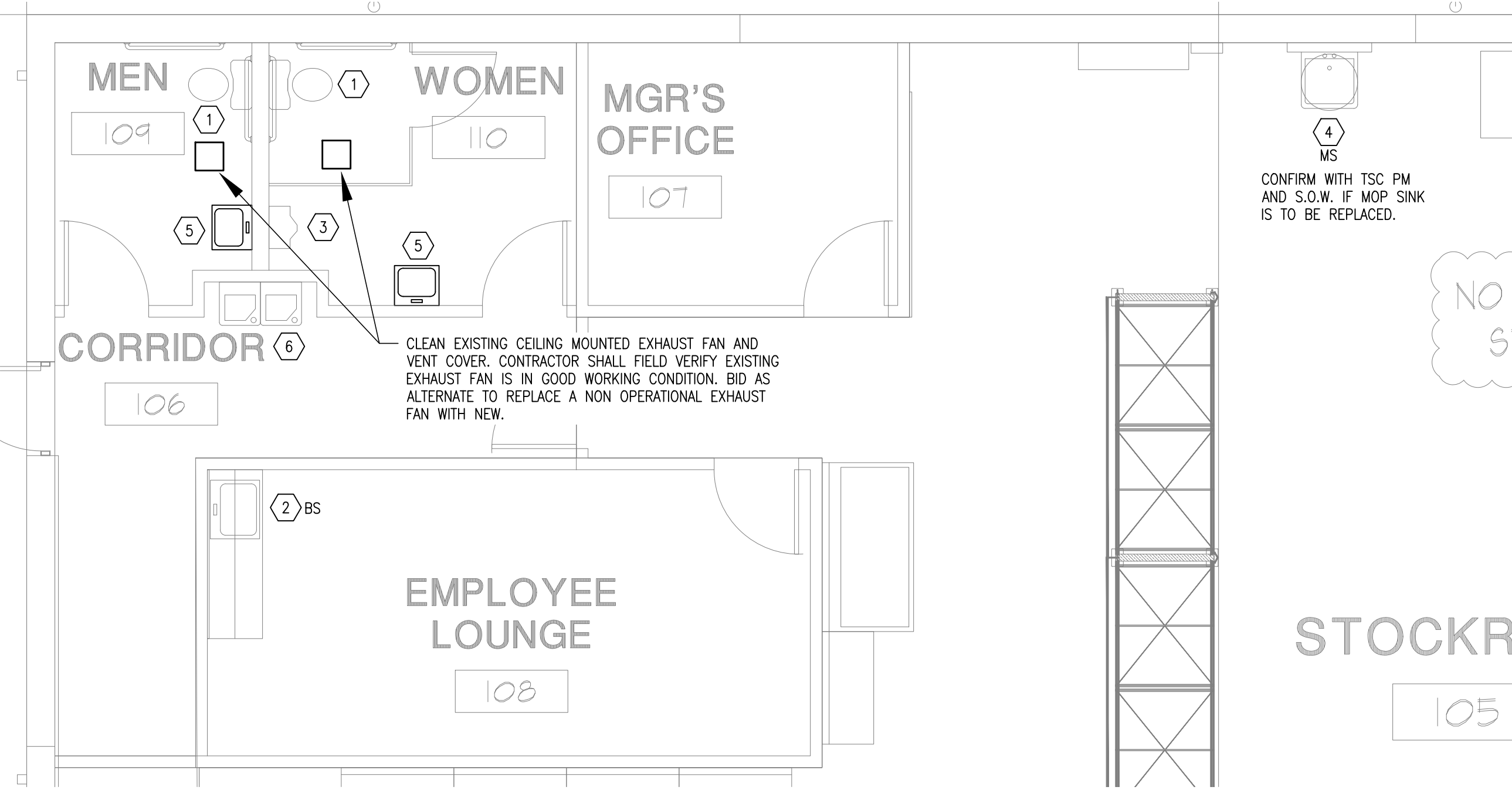
PLUMBING FIXTURE SPECIFICATIONS		
MARK	DESCRIPTION	***SUBMIT SUBSTITUTIONS FOR EQUAL PRODUCTS TO T.S.C. P.M. FOR APPROVAL
BS	BREAKROOM SINK: (SINGLE BOWL, S.S., GOOSENECK): BREAKROOM SINK AND FAUCET SHALL BE FURNISHED BY TRACTOR SUPPLY COMPANY & INSTALLED BY CONTRACTOR. PROFLO MODEL PFSR2521553C 21"x15"x5.5" DEEP BOWL 20 GA. STAINLESS STEEL, SELF RIM, AND REAR DECK FAUCET (1.8 GPM) MOUNTING WITH 3 HOLES. COMPLETE WITH PROFLO MODEL PFXC1414MCPUS 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.	
HB	HOSE BIBB (KEYED HANDLE): WOODFORD MODEL 19, 3/4", NIDEL MODEL 34HA VACUUM BREAKER, PROVIDE LOOSE TEE KEY.	
HB2	HOSE BIBB (NON-FREEZE, KEYED HANDLE): WOODFORD MODEL 65, 3/4", AUTOMATIC DRAINING BRASS FINISH, NIDEL MODEL 34HA VACUUM BREAKER, PROVIDE LOOSE TEE KEY.	
HR	HOSE REEL: REEL CRAFT MODEL 5WA3850. MOUNT FROM STRUCTURE. COORDINATE EXACT LOCATION WITH LATEST TSC FIXTURE PLAN AND TSC PM.	

### KEYED NOTE SCHEDULE

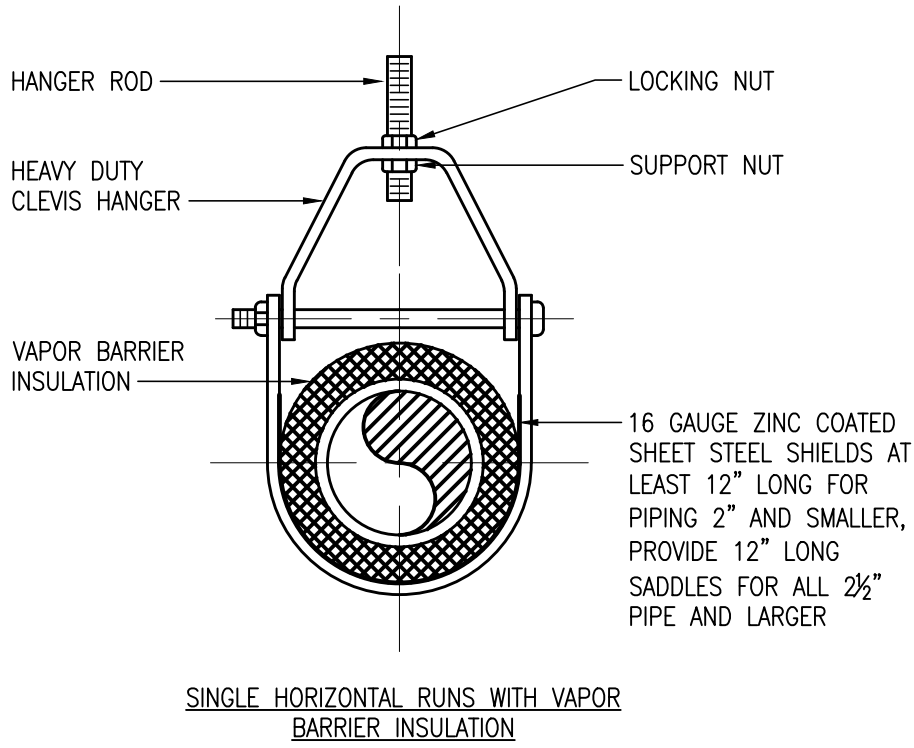
- EXISTING WATER CLOSET TO BE REUSED. CLEAN WATER CLOSET AND REPLACE THE SEAT. IF HARDWARE WILL NOT COME CLEAN PER TSC PM, BID AS ALTERNATE TO FURNISH AND INSTALL NEW HARDWARE INCLUDING ESCUTCHEON TRIM RING, VALVE, AND SUPPLY LINE.
- REPLACE EXISTING BREAKROOM SINK. SINK TO BE PROVIDED BY TRACTOR SUPPLY COMPANY. RECONNECT WASTE, VENT, SINK AND WATER TO EXISTING LINES AS REQUIRED FOR A COMPLETE AND OPERABLE INSTALLATION.
- EXISTING URINAL TO BE REUSED. ENSURE CAULK IS CLEAN/SMOOTH TRANSITION FROM URINAL WALL. IF HARDWARE WILL NOT COME CLEAN PER TSC PM, BID AS ALTERNATE TO FURNISH AND INSTALL NEW HARDWARE INCLUDING ESCUTCHEON TRIM RING, VALVE, AND SUPPLY LINE. RETROFIT EXISTING FLUSHVALVE WITH ZURN MODEL ZERK-CPM MOTION SENSOR.
- CAPACITY TEST EXISTING MOP SINK. BID AS ALTERNATE TO REPLACE IF BASIN AND/OR FAUCET ARE FOUND LEAKING.
- EXISTING LAVATORY TO BE REUSED. CLEAN WALL MOUNTED SINK(S) AND RE-CAULK TO WALL. ENSURE CAULK IS CLEAN/SMOOTH TRANSITION FROM SINK TO WALL. CLEAN EXISTING HARDWARE. HARDWARE INCLUDES, ESCUTCHEON TRIM RING, VALVE, AND SUPPLY LINE. IF HARDWARE WILL NOT COME CLEAN BID AS ALTERNATE TO REPLACE. REPLACE ADA WRAPS.
- THOROUGHLY CLEAN AND SANITIZE EXISTING ELECTRIC WATER COOLER.

### PLUMBING GENERAL NOTES:

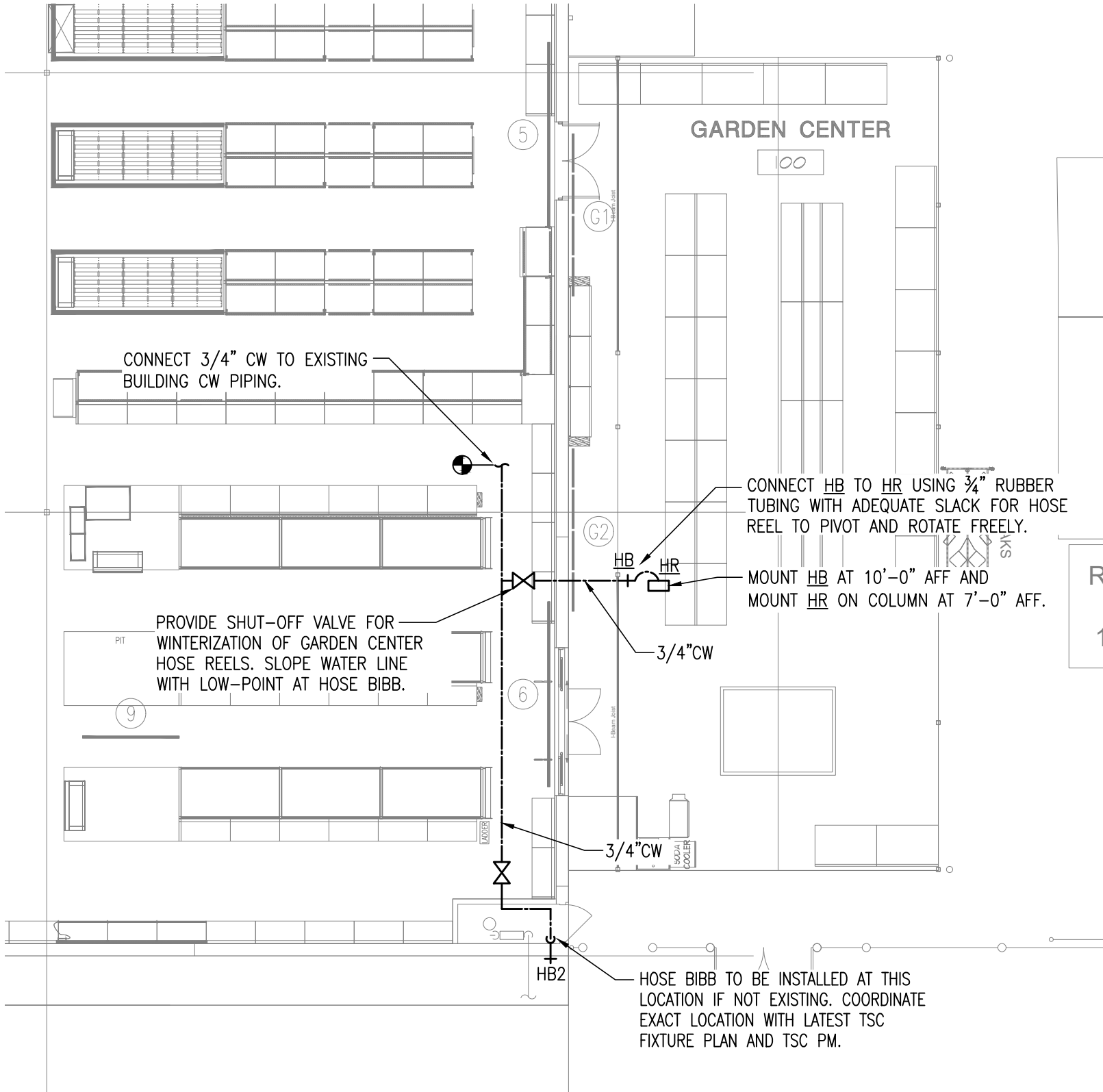
- PLUMBING CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS AND SIZES OF ALL UTILITIES, INCLUDING THE DEPTHS OF ALL BELOW GRADE SANITARY SEWERS, PRIOR TO START OF WORK. THIS DRAWING IS NOT INTENDED TO INDICATE ALL EXISTING UTILITIES.
- CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING BID AND FIELD VERIFY 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.
- CONTRACTOR SHALL VERIFY AND COORDINATE ALL UTILITY CONNECTION POINTS, INCLUDING SIZES AND INVERTS WITH EXISTING FIELD CONDITION PRIOR TO START OF WORK.
- 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.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS RELATED TO THE INSTALLATION OF THE WORK.
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, LAWS, ACTS AND ALL AUTHORITIES HAVING JURISDICTION AND LANDLORD'S CRITERIA.
- MAINTAIN ALL MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES FOR ALL FIXTURES AND EQUIPMENT. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF PLUMBING FIXTURES.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE CONTRACT DOCUMENTS BEFORE COMMENCING ANY WORK.
- 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.
- 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.
- 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.



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



1 | CLEVIS HANGER DETAIL  
N.T.S.



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

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FUSION / SIDE LOT  
**COMBO PROJECT**  
STORE #550  
5369 WEST US HWY 90  
LAKE CITY, FL 32055

Project No: 19982  
Drawn By: DAM  
Date: 6-10-22  
Issue: PEP/MT

P1.0

PLUMBING PLAN

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FL LIC. AR95693 Cleveland, Ohio 44128  
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STRUCTURAL GENERAL NOTES

Governing Code: 2020 Florida Building Code 7th Edition (Adopts 2018 IBC)  
Building Risk Category (IBC Table 1604.5) Category II

SNOW LOADS	WIND LOADS	SEISMIC LOADS	LIVE LOADS
Drift per ASCE 7	118 mph	le = 1.0	Roof
Is = 1.0	Vasd 92 mph	Ss = 0.085	First Floor Retail 100 psf
Ct = 1.0	Exposure B	S1 = 0.05	
Ce = 1.0	GcPl ±0.18	Site Class D	
Pg = 0 psf	Component Pressure (psf)	Sds = 0.09	
Pf = 0 psf	Roof 1 +16.0 -37.9	Sd1 = 0.081	
Rain on Snow psf	Roof 2 +16.0 -50.0	Design Category B	
	Roof 3 +16.0 -68.1	Basic Seismic-Force-Resisting System:	
	Wall 4 +23.8 -25.8	Existing Ordinary Shear Moment Frames	
	Wall 5 +23.8 -31.9	Design Base Shear: 0.19W	
	Pressures shown are for	Cs = 0.19 R = 3.5	
	10 sf effective wind area.	Analysis Procedure: N/A Change in W < 5%	

GENERAL:

- The structure is designed to be self-supporting and stable after the building is completed and materials have attained their design strengths. It is the sole responsibility of the contractor to determine erection procedure and sequence to insure the safety of construction personnel, property, and component parts during all phases of construction. This responsibility includes the use of whatever shoring, temporary bracing, etc. that may be necessary.
  - Contractor shall engage a Florida licensed engineer to provide shoring design calculations and installation drawings according to ASCE 7-14. Submit calculations and installation drawings to structural engineer of record for review prior to shoring installation.
- The contractor shall perform all construction for the project in a manner and sequence that are based on accepted industry standards that recognize the interaction of the components that comprise the structure, without causing distress, unanticipated movements or irregular load paths as a result of the construction means and methods employed.
- Details labeled "typical details" on drawings apply to situations occurring on the project that are the same or similar to those specifically detailed. Such details apply whether or not details are referenced at each location. Notify engineer of conflicts regarding applicability of "typical details".
- Work these drawings with architectural, mechanical, plumbing and electrical drawings.
- Do not scale drawings.
- Contractors shall familiarize themselves with all proprietary products shown on the drawings. Such products shall be installed per the manufacturer's printed instructions unless shown otherwise in the details.
- Prior to start of construction, contractor shall verify all existing construction, elevations and conditions. Any conditions discovered to be in variance with design documents shall be brought to the attention of the Architect immediately.
- All structural building code requirements, standards, and specifications referenced are for the year referenced in the governing building code noted.
- Shop drawings and other submittals:
  - Submittals shall be checked and coordinated with other materials and trades by the general contractor and shall bear the contractor's review stamp with the checker's initials and date prior to being submitted to the architect for approval.
  - General contractor's schedule shall allow for a minimum of 10 work days for architect's review and return of all submittals unless noted otherwise.
  - Where dimensions or elevations of existing construction could affect the new construction, it is the contractor's responsibility to make field measurements for incorporation in the shop drawings.

CAST-IN-PLACE CONCRETE:

- All concrete work is to be in accordance with Specifications for Structural Concrete for Building ACI 301 and ACI 302, 305 and 306 for the referenced year in the building code noted, unless noted otherwise.
- All detailing, fabrication and placing of reinforcing bars shall conform to ACI 318, "Building Code Requirements for Structural Concrete", ACI 117, and the latest ACI detailing manual, unless noted otherwise.
- Admixtures:
  - Use high range water reducer (HRWR) for all slabs on grade and slabs on metal form.
  - Use an approved air entraining agent for all concrete exposed to weather or vehicular traffic. Use 6% entrained air, plus 1% minus 1.5%.
  - The use of calcium chloride or admixtures containing chlorides is prohibited.
  - Use an approved water reducing agent or high range water reducer for all concrete except footings.
  - Fly ash: A maximum of 15% by weight of the total cementitious material may consist of Type F flyash conforming to ASTM C618. This amount shall be used in calculating the water-cement ratio. Contractor's schedule shall account for longer curing times required.
- Reinforcing Steel:
  - Deformed bars per ASTM A615, Grade 60.
  - Bars for welding to structural steel per ASTM A706.
  - Epoxy - coated reinforcing bars per ASTM A934 for use in frost slabs.
  - Lap reinforcement 40 diameters unless otherwise noted.

Bar	Minimum Lap (Inches)
#3	15
#4	20
#5	25
#6	30

- Provide all accessories necessary to support reinforcement per CRSI recommendations.
- Welded wire fabric per ASTM A1064. Use mats only.
- Welded wire fabric in slab on grade shall be supported by "Mesh-Ups" as manufactured by Lotel, Inc. or approved equal. Use one 2 inch mesh up per 3 square feet.
- Minimum clearance for placement for reinforcing steel:
  - Cast against and permanently exposed to earth - - - - - 3"
  - Exposed to earth or weather:

#5 and smaller - - - - -	1 1/2"
#6 and larger - - - - -	2"
  - Not exposed to weather or in contact with the ground:

Slabs and walls, #11 and smaller - - - - -	3/4"
Beams, girders, columns, principle reinforcement, ties and stirrups - -	1 1/2"
Slabs on grade - - - - -	1 1/2"

Concrete Types Schedule:

LOCATION	STRENGTH	MAX SLUMP	COMMENTS
Slabs on grade, interior	4000	3"/7"	
Grout for Masonry cores	3000	9"	3/8" max. aggregate

- Cure all slabs using a moisture retaining cover or wet cure procedures.
- Concrete mixes shall be proportioned in accordance with ACI 301. Interior slabs shall contain a minimum cement content of 520 lbs/cu.yd. and the maximum size aggregate blend permitted by ACI 301 Section 4.2.2.3.
- Plastic contraction joint former shall be SureJoint by SureVoid Products. They shall be used in slabs receiving floor coverings.
- Submittals:
  - Submit ASTM C39 compressive strength test results for a minimum of four (4) samples of each proposed mix indicating 7 and 28 day compressive strength (psi).
  - Submit data for proprietary material and items including admixtures, curing compound, inserts etc.
  - Submit shop drawing of reinforcement, show bar schedules and diagrams together with placement drawings. Comply with ACI 315.
  - Submit proposed concrete mix design including data on aggregates and cement. Submittals that omit intended Location of proposed concrete mix will be rejected without review. Submittals shall include field strength test record data for specified mixes per ACI 318, Chapter 5 and ACI 301, Section 4.2.2.3.4.

MASONRY:

- The masonry elements of this building are designed in accordance with "Building Code Requirements for Masonry Structures" TMS 402/602
- Materials and construction methods shall be as specified in "Specifications for Masonry Structures" TMS 402/602.
- All testing and inspection shall be done by an independent testing laboratory.
- Load bearing concrete masonry units shall conform to ASTM C90, f'm = 1500 psi determined by the unit strength method or prism test method.
- Brick per ASTM C216, Grade SW, Type FBS, 8,000 psi minimum strength.
- Mortar for unreinforced masonry per ASTM C270, Type S, 1,800 psi cube strength.
- Grout per ASTM C476, 3000 psi minimum, coarse grout 3/8" maximum aggregate or ready mix concrete with 3/8" maximum aggregate, see Cast-In-Place Concrete specifications.  
Slump to be 9" ± 1".
- Reinforcement:
  - Wire for horizontal joint reinforcement per ASTM A82 ladder type, 9 gauge, galvanized after fabrication.
  - Lap splices in horizontal joint reinforcement 7" minimum
  - Reinforcing bars per ASTM A615, Grade 60, lap splices 48 diameters minimum and grout solid into walls.
  - Use bar positioners for placement of vertical reinforcing bars per ACI 530.1, section 3.4.
- Provide 16" of solid masonry under wall bearing beams and 8" of solid masonry under wall bearing slabs and lintels unless otherwise noted on the drawings.

STRUCTURAL STEEL:

- Detailing, fabrication and erection shall be in accordance with the latest specifications of the American Institute of Steel Construction.
- All structural steel shall be finished with white or light grey primer.
- Anchor bolts into concrete or masonry shall be per ASTM A36 or ASTM F1554, Grade 36.
- All welding to be performed in accordance with latest AWS specifications. Electrodes to be E70XX coated type, low hydrogen classification.
- All wide flange structural steel sections shall be per ASTM A992, Grade 50.
- All other structural and miscellaneous steel including but not limited to angles, channels, bearing plates, base plates, cap plates, etc., per ASTM A36.
- Lintel beams built into exterior masonry walls shall be hot dip galvanized per ASTM A123.
  - Over-sized lintels to be painted with zinc rich primer and high build epoxy finish.
- Submittals: Shop and Erection drawings shall be submitted for approval prior to fabrication according to Section 4 of the AISC Code of Standard Practice.

SPECIAL INSPECTIONS:

- The owner shall obtain, in addition to the regular inspections conducted by the department of building safety, special inspection and testing services in accordance with the applicable building code and AHJ and provided by an approved independent laboratory per ASTM E329. Reports shall be sent directly to the Owner, Architect, Structural Engineer and Contractor. Concrete test reports shall also be sent to ready mix supplier. These services shall include the following:

Concrete:

- During the taking of test specimens and placing of reinforced concrete (except slabs on grade).

Bolts installed in concrete:

- Prior to and during the placement of concrete around bolts identified on the drawings (if any) as requiring special inspections.

Reinforcing steel:

- For conformance with the approved plans prior to the closing of forms or the delivery of concrete to the job site.

Structural Masonry:

- During the preparation and taking of any required prisms or test specimens, at the start of laying units, after the placement of reinforcing steel, grout space prior to each grouting operation, and during all grouting operations.

- The special inspector shall be a qualified person who shall demonstrate his/her competence to the satisfaction of the building official for inspection of the particular type of construction or operation requiring special inspection.

- Duties and responsibilities of the special inspector:

- Observe the work assigned for conformance to the approved contract documents. The inspector may not alter, modify, enlarge or waive any of the requirements of the contract documents.

- Furnish inspection reports to the owner, the building official, and the design professional of record. All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, submit a complete list of all outstanding discrepancies on a weekly basis to the owner, the building official, and the design professional of record until all corrections have been completed.

- Submit a final signed report stating whether the work requiring special inspections was, to the best of the special inspector's knowledge, in conformance with the approved contract documents and the applicable workmanship provisions of the building code.

- Structural Observation (As defined in chapter 17 of the building code) is not required.

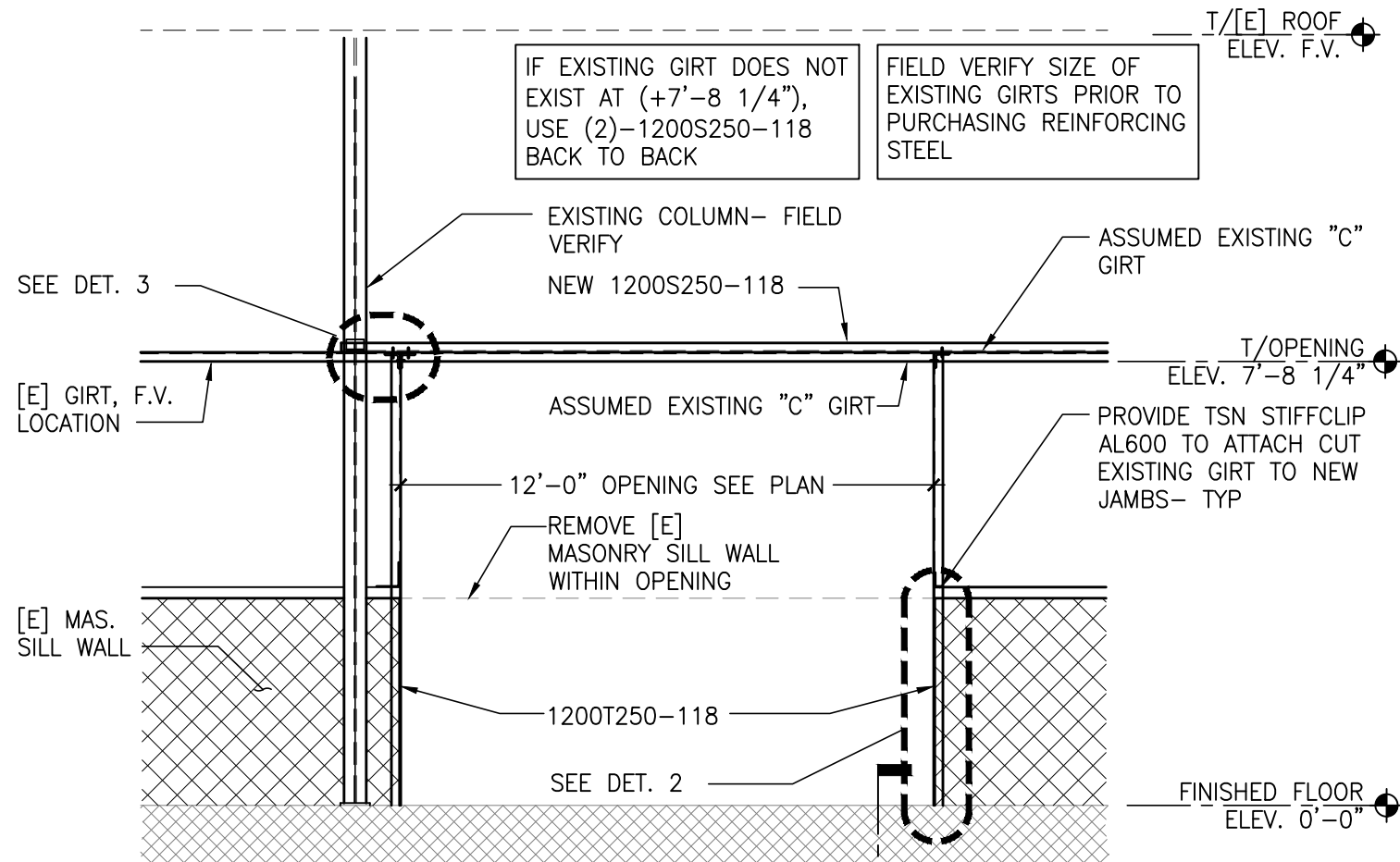
- Where special inspection requirements duplicate the requirements of other specified testing, duplicate inspections shall not be required.

COLD FORMED METAL FRAMING:

- Cold formed, light gage metal framing including studs, joists, rafters, and tracks shall be per ASTM A653, with a G60 coating.
- Minimum yield stress (Fy) for 16ga members & heavier = 50 ksi.
- Minimum yield stress (Fy) for members lighter than 16ga = 33 ksi.
- Minimum sizes shown on drawings are as identified by The Steel Stud Manufacturers Association (SSMA).

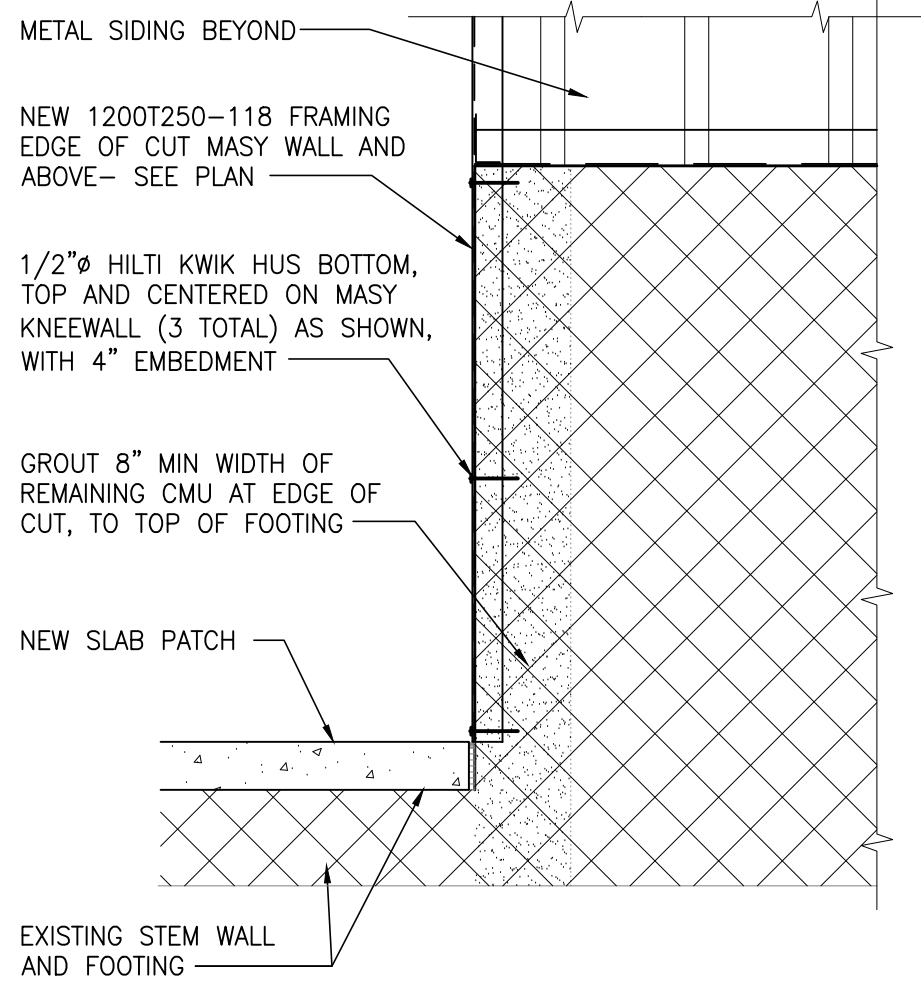
SSMA STUD DESIGNATION		THICKNESS CONVERSION	
MEMBER DEPTH 6" = 600 x 0.01"	600 S 162 - 54	33 mil	20 ga
	STYLE S = STUD OR JOIST T = TRACK	43 mil	18 ga
		54 mil	16 ga
		68 mil	14 ga
		97 mil	12 ga
FLANGE WIDTH 1 5/8" = 1.625" = 162 x 0.01"		118 mil	10 ga
MATERIAL THICKNESS			

- Partitions and curtain walls shall have deflection tracks with a minimum of 1" deflection unless otherwise noted.
- Minimum sections for construction.
  - Exterior non-load bearing walls: 600S162-54.
  - Interior non-load bearing walls: 400S162-33.
- Unpunched members shall be used for all joists, headers, and accessories. Punchouts in studs shall be a minimum of 10" from the end of the stud.
- No splices in studs, joists or headers may be made.
- Light gauge connections (Unless noted otherwise):
  - To light gauge: #10-16 TEK screw x 5/8" long.
  - To structural steel: #12-24 TEK screw x 1 1/4" long. Penetration of screws shall not be less than 3 exposed threads. Or Hilti powder actuated fasteners, X-U with 0.157" dia. shank and 1 3/8" dia. washer. Full penetration steel, 1 1/2" minimum edge distance and spacing.
  - To concrete: Hilti powder actuated fasteners; X-U with 0.157" dia. shank and 1 3/8" dia. washer. 1 1/4" minimum penetration, 3" minimum edge distance and 4" minimum spacing.



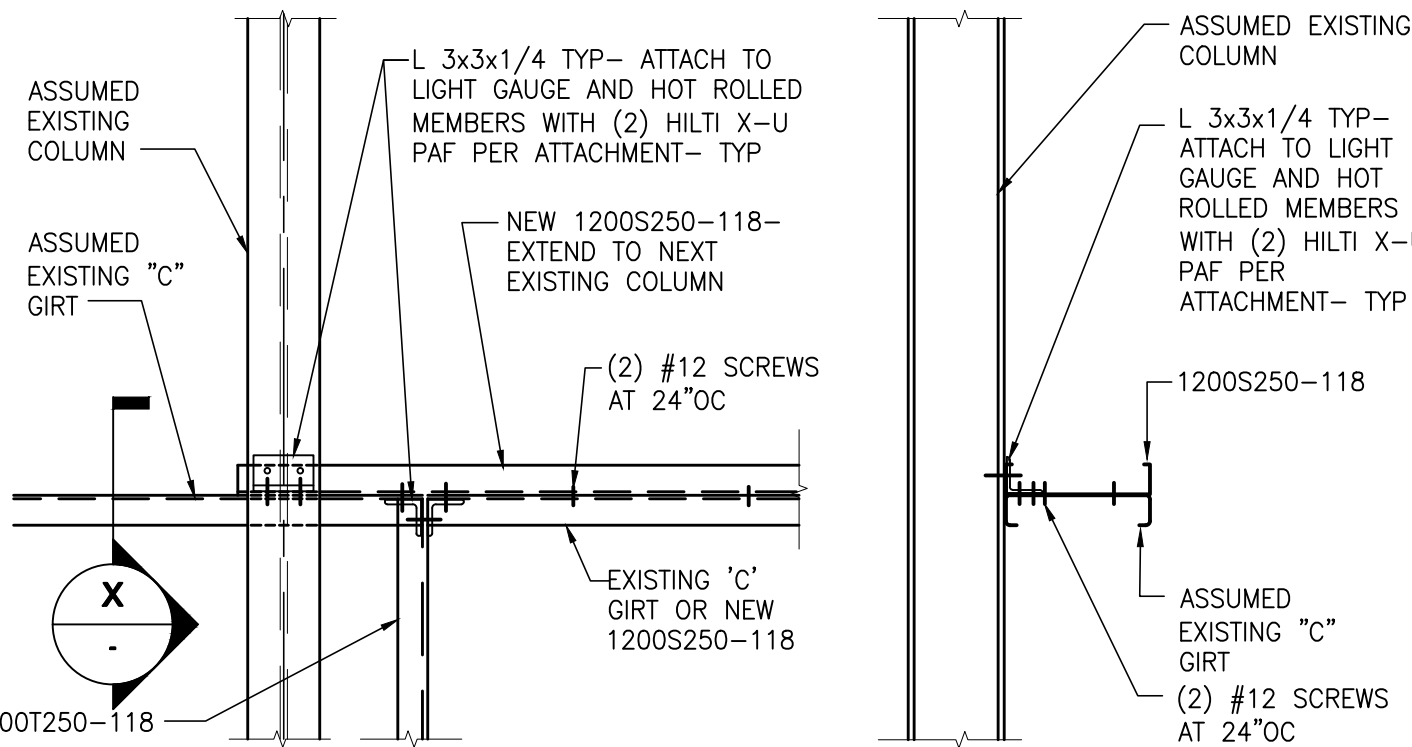
1 INSIDE ELEVATION

NEW OPENING IN [E] WALL



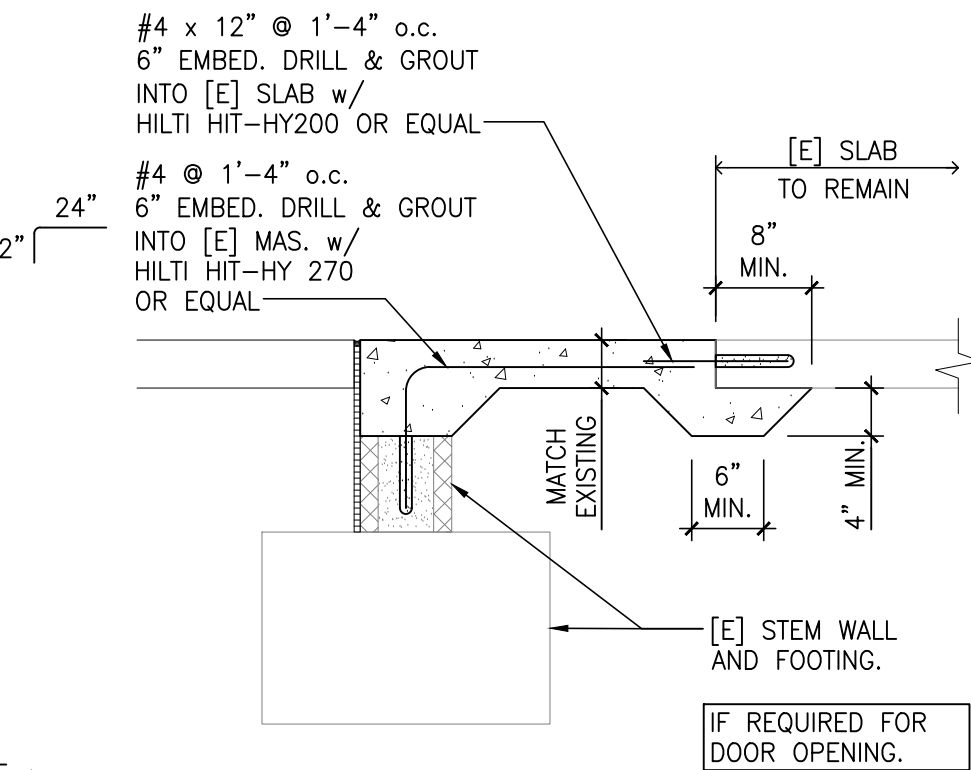
2 DETAIL

TYPICAL ATTACHMENT OF SIDE TRACK TO WALL



3 DETAIL

X SECTION

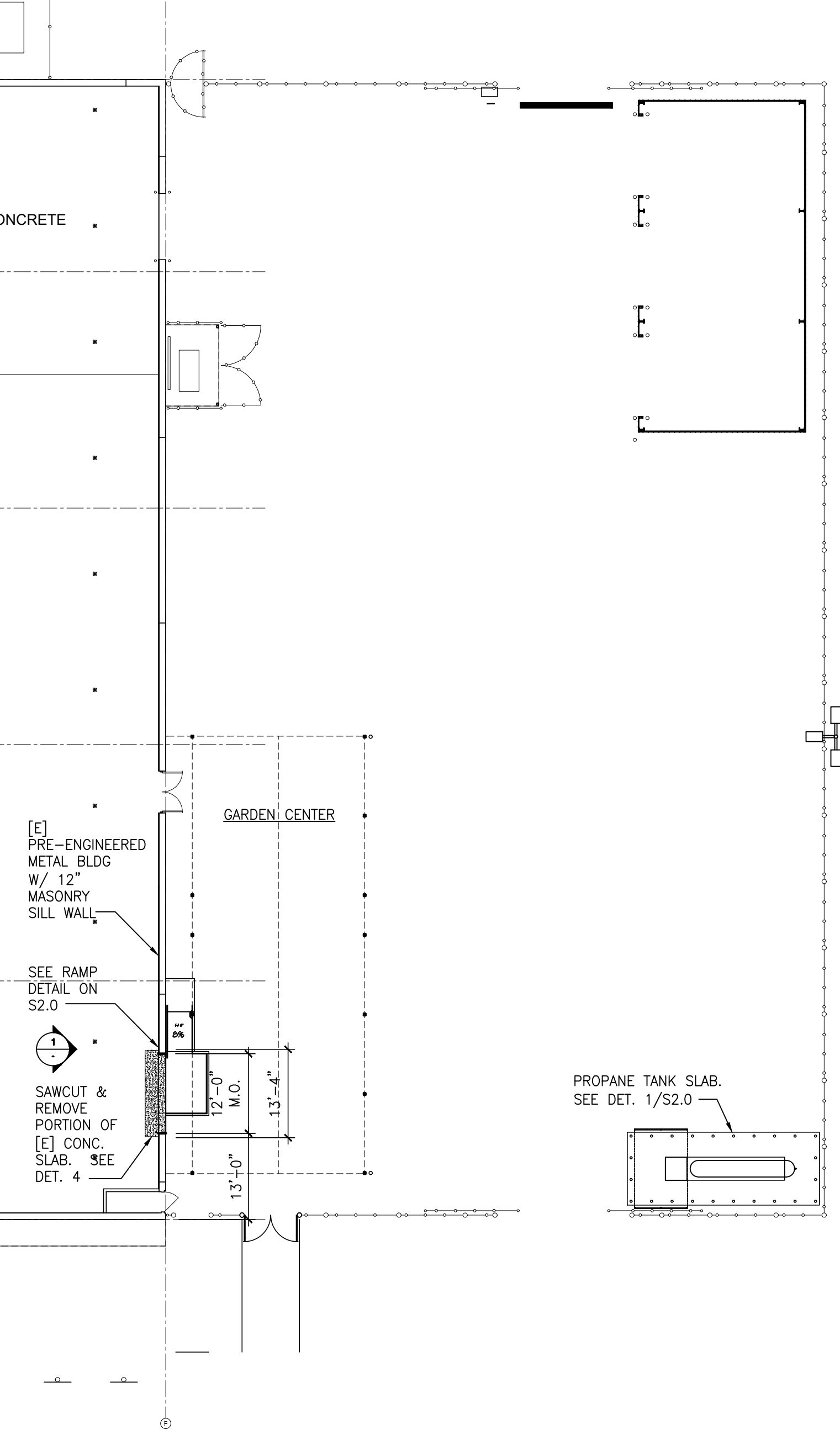


4 DETAIL

TYPICAL NEW TO EXISTING SLAB AT NEW OPENING

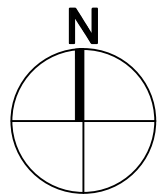
VERIFICATION AND INSPECTION TASKS PER IBC 2018		CONTINUOUS INSPECTION	PERIODIC INSPECTION	REFERENCED STANDARD
STRUCTURAL STEEL SPECIAL INSPECTIONS PER REQUIREMENTS OF AISC 360 (IBC SECTION 1705.2.1)				
CONCRETE CONSTRUCTION (SECTION 1705.3 AND TABLE 1705.3)				
1. INSPECTION OF REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT		X		ACI 318: CH. 20, 25.2, 25.3, 26.6
2. INSPECTION OF ANCHORS CAST IN CONCRETE			X	ACI 318: 17.8.2
3. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS				
A. ADHESIVE ANCHORS INSTALLED HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS				ACI 318: 17.8.2.4
4. VERIFYING USE OF REQUIRED DESIGN MIX		X		ACI 318: CH. 19, 26.4
5. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X			ASTM C 172 ASTM C 31 ACI 318: 26.4, 26.12
6. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X			
7. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X		ACI 318: 26.5
8. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS				
9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED				ACI 318: 26.11.1.2
MASONRY CONSTRUCTION INSPECTED AND VERIFIED IN ACCORDANCE WITH TMS 402/ACI 530/ASCE 5 AND TMS 602/ACI 530.1/ASCE 6 REQUIREMENTS (IBC SECTION 1705.4)				

SLAB SCHEDULE		
LOCATION	THICKNESS & REINF.	SUB BASE
INTERIOR	4" CONC. SLAB ON GRADE WITH 6x6-W2.1xW2.1 WWF	10 MIL. VAPOR RETARDER ON 4" COMPACTED GRAVEL

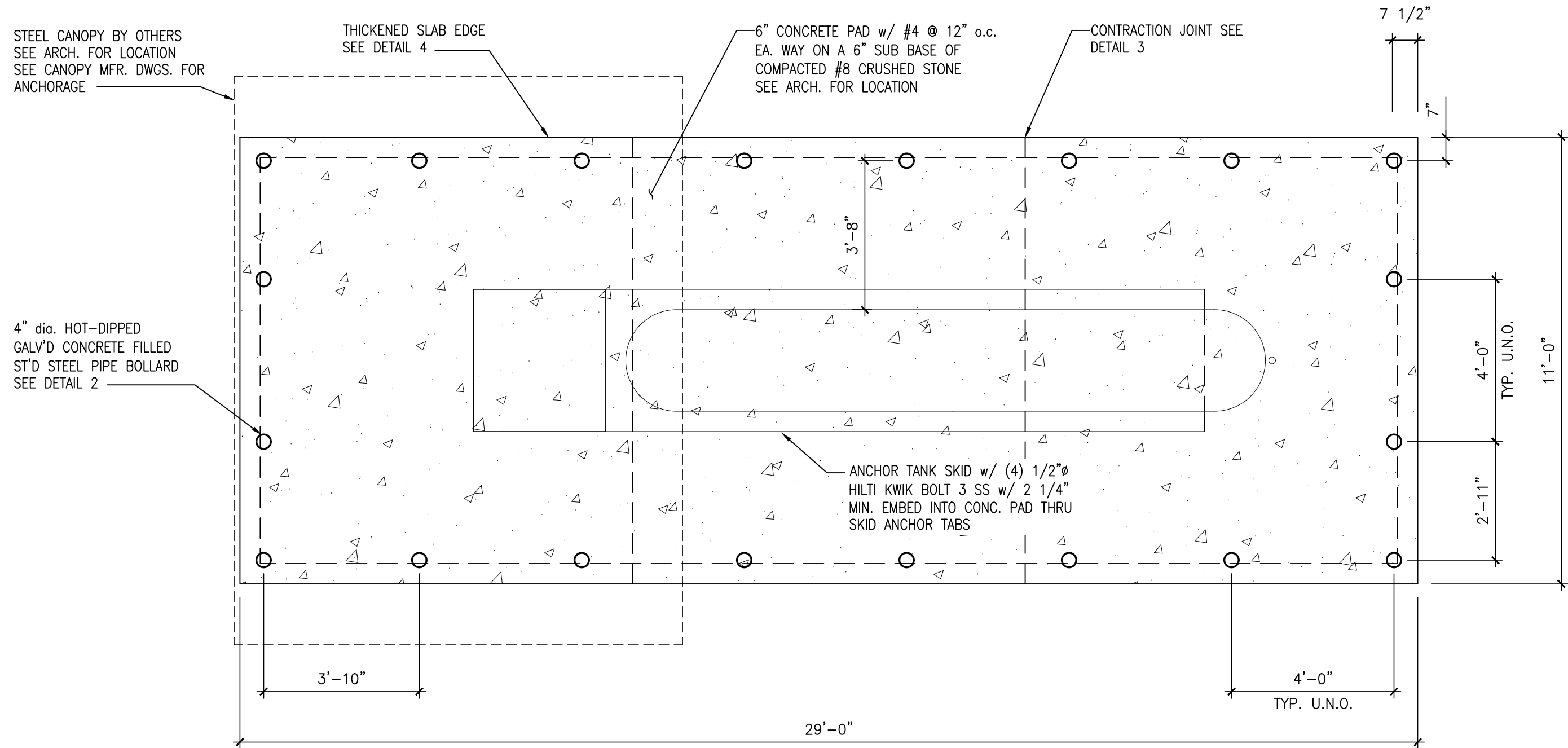


STRUCTURAL KEY PLAN

1/8" = 1'-0"

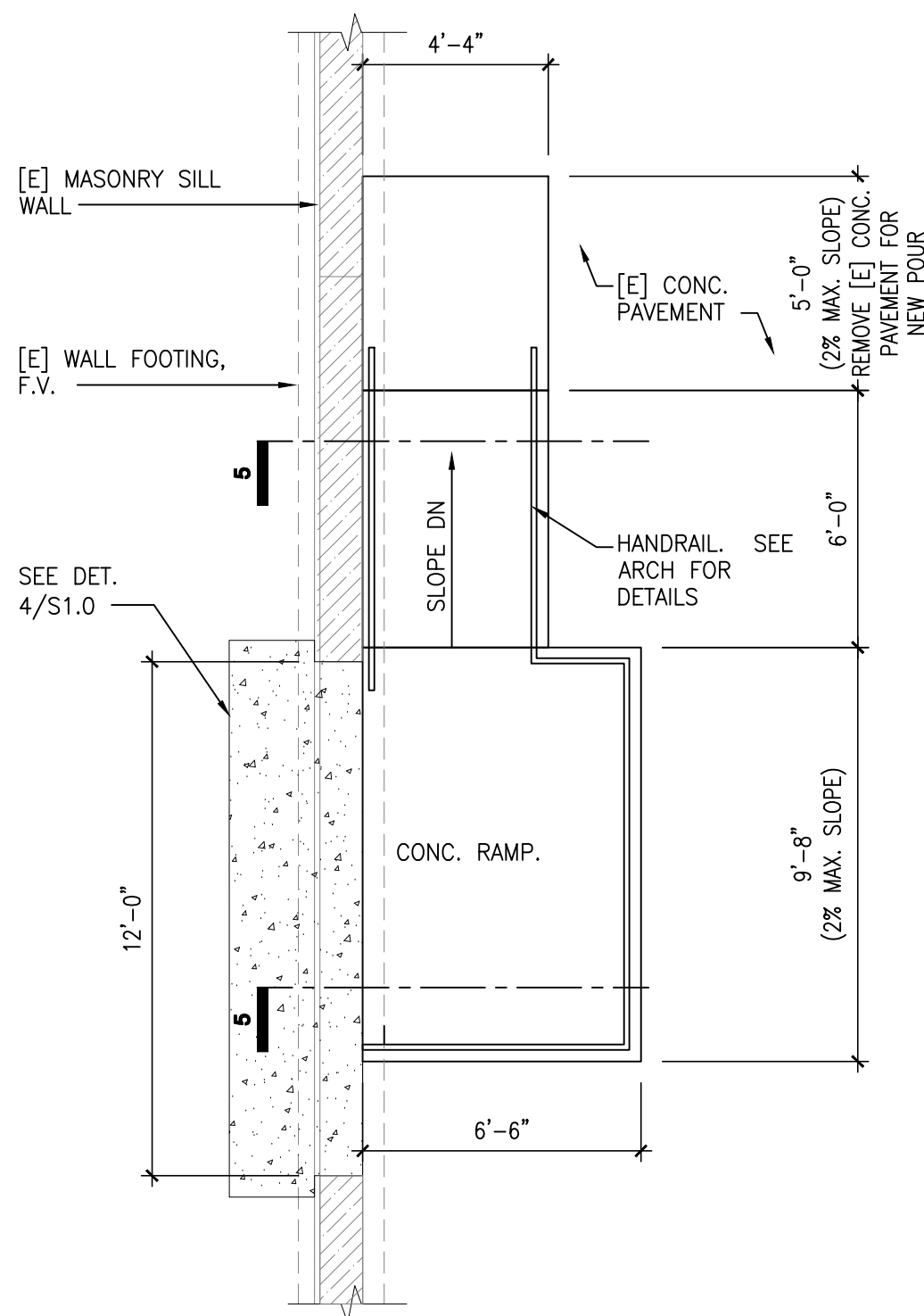






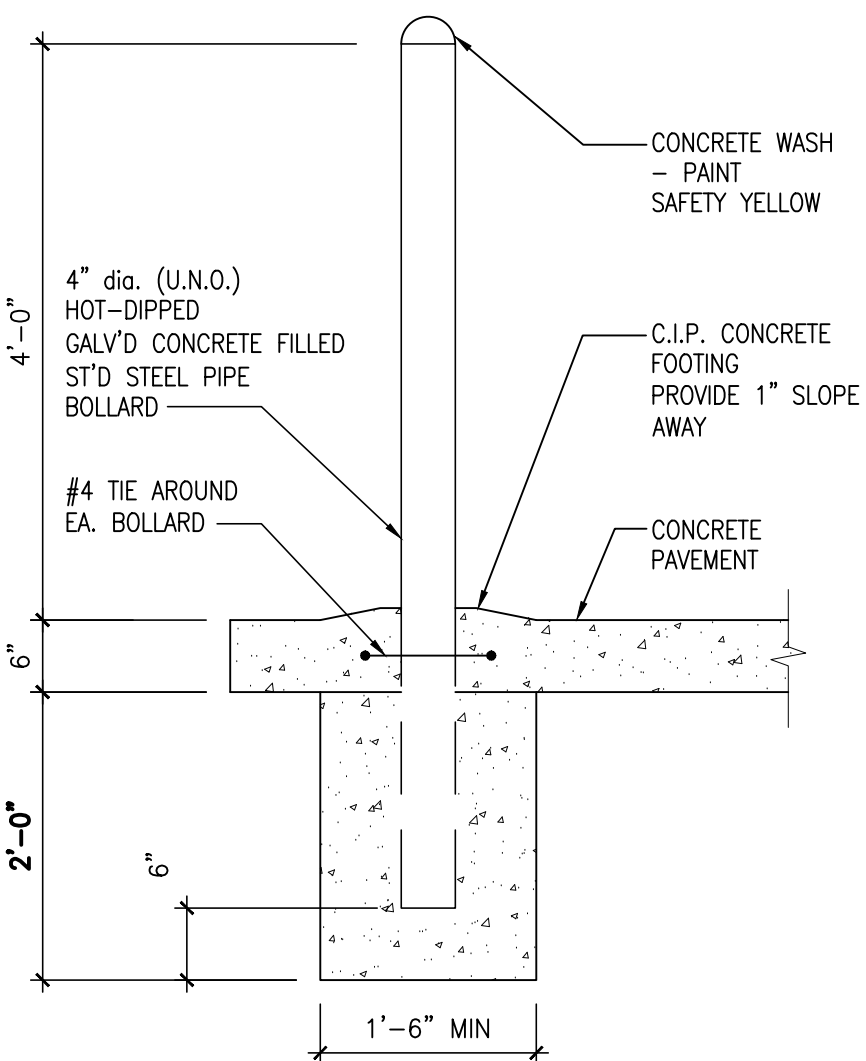
1 PROPANE VESSEL PAD

3/8" = 1'-0"



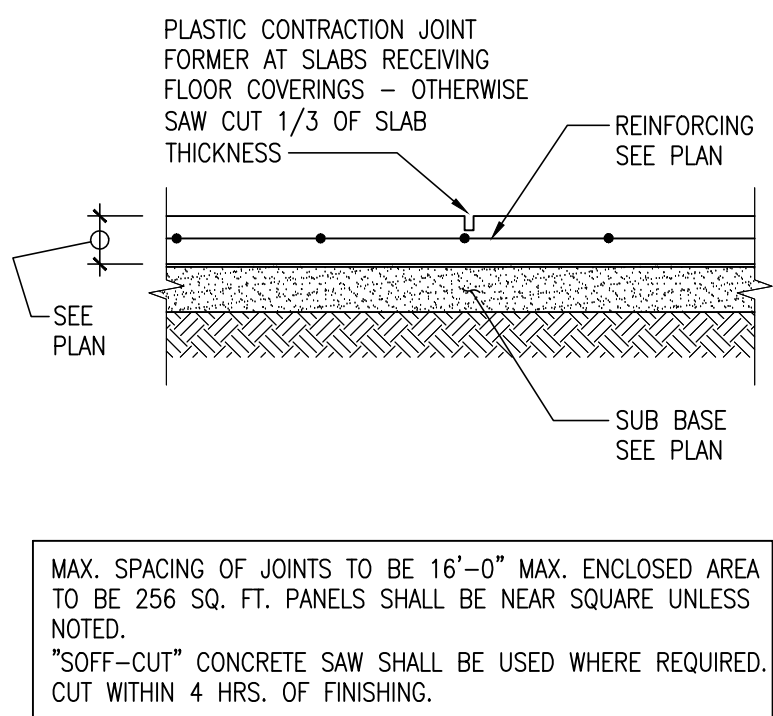
RAMP PLAN

1/4" = 1'-0"



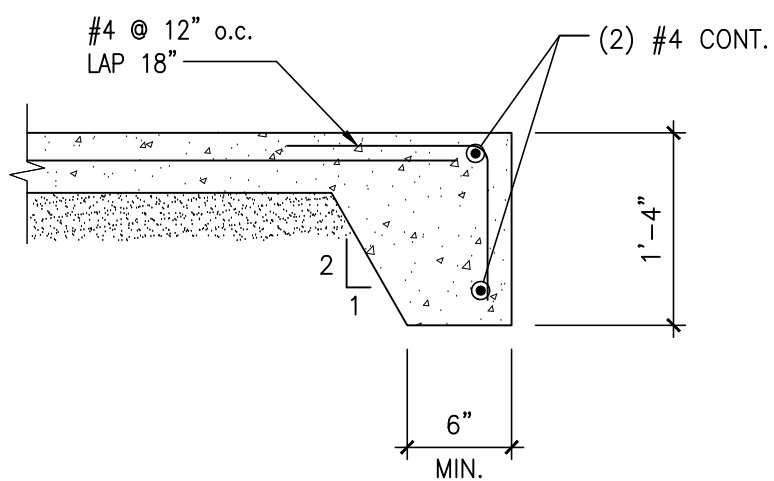
2 DETAIL

TYPICAL BOLLARD



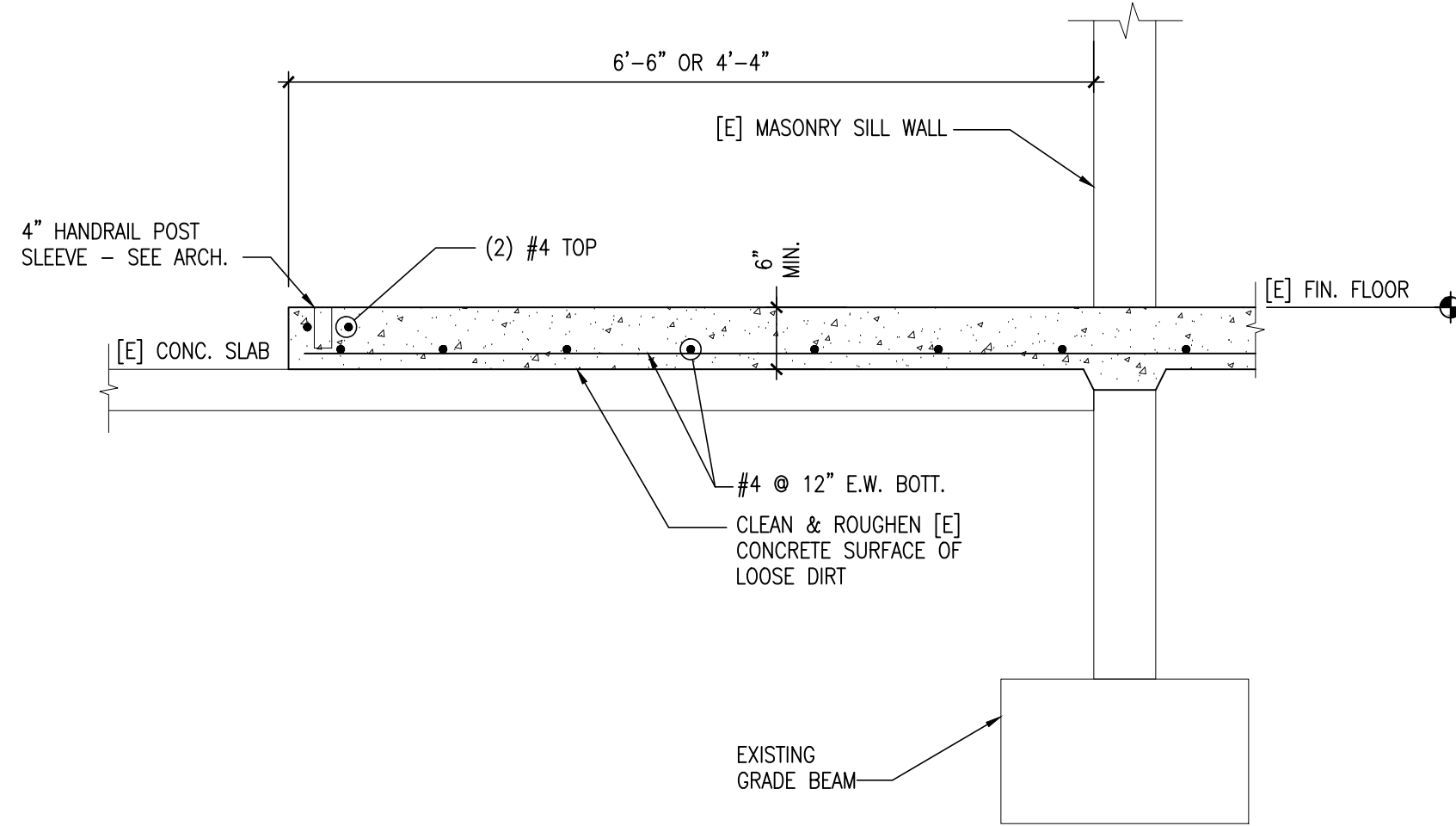
3 DETAIL

TYPICAL SLAB ON GRADE CONTRACTION JOINT



4 DETAIL

TYPICAL TURNED DOWN SLAB



5 DETAIL

TYPICAL EXTERIOR SLAB & RAMP

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FUSION / SIDE LOT  
**COMBO PROJECT**

STORE #550  
5369 WEST US HWY 90  
LAKE CITY, FL 32055

Project No:	19962
Drawn By:	JL
Date	Issue
6-10-22	PERMIT

S2.0

PROPANE VESSEL PLAN  
AND DETAILS

**onyx|creative**

25001 Emery Road, Suite 400  
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