AND AT ABOVE FINISHED FLOOR ALUMINUM AMERICAN NATIONAL STANDARDS INSTITUTE BOTTOM OF BOARD BOTTOM OF BOARD BOTTOM OF BOARD COLSED-CIRCUIT TELEVISION CENTRELINE CONSTRUCTION JOINT CELLAR CONCRETE MASONRY UNIT COLUMN S. COLUMNS CONTRACTING OFFICER DOWNSPOUT DIAMETER DISPLAY OR DISPENSER DETAIL C. ELECTRICAL WATER COOLER EQUAL EQUAL EQUAL EXTENIOR FIRE EXTINGUISHER FACTORY FINISH FINISH(ED) FACE OF GAUGE GENERAL CONTRACTOR GYPSUM HIGH HOSE BIBB HARDWARE HEIGHT INSULATION INTERIOR INSULATION INTERIOR INSULATION INTERIOR CLEAR COUND CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CONTRACTOR CALCE CALCE CONTRACTOR CALCE CALCE CALCE CONTRACTOR CALCE CALCE CALCE CALCE CALCE CONTRACTOR CALCE CA	PLAN SYMBOLS         BUILDING/WALL SECTION         DETAIL REFERENCE DRAW         NUMBER         ROOM/SPACE NUMBER         DOOR NUMBER         DOOR NUMBER         WINDOW NUMBER         KEYNOTE         REVISION CLOUD         LEVEL LINE CONTROL POOR         FIRE EXTINGUISHER         ROOF DRAIN         OVERFLOW ROOF DRAIN	ING ING ING ING ING ING ING ING	DUSE DRIVE SUI , PA 16066 3-6603 TAMMY DAVIS, I CT: BRANDON DE ON SHALL CONFC ACTOR SHALL VEF ROM THESE DRAY ONS ARE TO FINI ACTOR SHALL VEF ROM THESE DRAY ONS ARE TO FINI ACTOR SHALL NO 3EFORE PROCEED ACTOR SHALL NO 3EFORE PROCEED ACTOR SHALL PRO IONS AS REQUIRE 2EMAIN, FROM DA REAS TO REMAIN ACTOR SHALL SUE THE WORK FOR SHALL COMPLY WI GULATIONS, THE ECT SHALL ORTAL	TE 400 NCARB, EHASS ORM TO TI RIFY AND WINGS, TH ISHED FA( T SCALE ING. OVIDE DEM ED TO COI MAGE DUI I, DUE TO SMIT SHOP THE ITEM TH THE L NATIONAL	AIA, HE A BE F IE CC CE OI THE I MOLIT MPLE E TO ) THE P DR
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GYPSUM HIGH HOSE BIBB HARDWARE HEIGHT HOLLOW METAL HEIGHT INSIDE DIAMETER THAT IS INSULATION INTERIOR INTEGRATED RETAIL TERMINAL JANITOR JOINT POUND MATERIAL	FIRE EXTINGUISHER ROOF DRAIN OVERFLOW ROOF DRAIN	9. PROVIDE ANI	ORK PERMITS AN	IN APPRO	VAL EQUIR
HARDWARE HEIGHT HOLLOW METAL HEIGHT INSIDE DIAMETER THAT IS INSULATION INTEGRATED RETAIL TERMINAL JANITOR JOINT POUND	OVERFLOW ROOF DRAIN		D MAINTAIN NECE	ESSARY C	OVER
HEIGHT INSIDE DIAMETER THAT IS INSULATION INTERIOR INTEGRATED RETAIL TERMINAL JANITOR JOINT POUND MATERIAL		PROTECTION, CONTRACTOF WITHOUT EX	, CLEAN ALL EXP R SHALL BE HELE TRA CHARGE TO	'OSED SUI ) RESPON THE CLIE	RFAC ISIBLE NT.
L. INSULATION INTERIOR INTEGRATED RETAIL TERMINAL JANITOR JOINT POUND MATERIAL		10. THE CONTRA PORTIONS O	ACTOR SHALL BE	RESPONS	SIBLE
JANITOR JOINT POUND	CENTER ON ROOM OR W,	II. ALL REQUIRE	EMENTS OF THE		
POUND MATERIAL		12. THE TERM '(	CONTRACTOR' SH.	ALL REFE	ruk R TO
	JAMB TIGHT AGAINST WA	13. LINES, WIRES	S, ROPES, PIPES,	CHAINS	ETC.
		14. WHEN NOT E KEPT AWAY	3EING USED, MAT FROM EDGES OR	ERIAL, EC	)UIPM SS.
MASONRY OPENING MODIFIED MOUNTED METAL	NORTH ARROW	15. WASTE DUMF	PSTERS AND DEB	RIS BOXE	S SH
NUMBER NOT APPLICABLE PLAN					LS.
ON CENTER OUTSIDE DIAMETER OPPOSITE					
AM. PLASTIC LAMINATE T. PARTITION, PARTIAL M. POSTAGE BOOKLET STAMP MACHINE	ATCH PATTERNS				
VD. PLYWOOD POST OFFICE S. POINT OF SALE	EARTH/COMPACT FILL	ITEM		BY OTHERS	BYC
PAINTED PLATE	CAST IN PLACE/ PRECAS	T BUILDING SIGN(S POLE SIGN OR MI MONUMENT MA	6) ONUMENT SIGN ASONRY BASE WALL	FURNISH FURNISH	INST INST PRO
EP. RECEPTACLE REFER, REFERENCE D REQUIRED POLICH OPENING		WINDOW GRAPH WALL GRAPHICS STATE INSPECTIC	IICS IN SHOWROOM DN SIGNS	PROVIDE PROVIDE PROVIDE	
FT. SQUARE FEET IN. SQUARE INCHES	PUROUS FILL/GRAVEL	ACCESSIBLE PARK HANDICAP DOOR FREESTANDING M	KING SIGNS ≷ SIGNS METAL TV STAND	FURNISH	PRO PRO INST
SOLID CORE WOOD STAINLESS STEEL SHEET	GWB WALLS	SERVICE MANAG	ER'S STATION ESSORIES	FURNISH	INST PRC
D. SHELIS SIMILAR SURFACE MOUNTED		SALES COUNTER TECH CENTER' CC BAR STOOLS AT "	DUNTER TECH CENTER'	FURNISH FURNISH FURNISH	ASSI INST INST
	MASONRY WALL	BUILT-IN TV ENCL WATER COOLER TIRE FOLUPMENT			PRC
R. RO BE REMOVED TELEPHONE K. THICKNESS	WOOD ROUGH/BLOCKING	TIRE STORAGE RA TIRE DISPLAY RAG	ACKS CKS	PROVIDE PROVIDE	
ESH THRESHOLD TOP OF TYPICAL	PLYWOOD	ELECTRIC SERVICE GAS SERVICE PHONE SERVICE	E		PRC PRC PRC
N. UNLESS OTHERWISE NOTED S UNITED STATES POSTAL SERVICE	GYPSUM WALLBOARD			PROVIDE	FIN
VINYL COMPOSITION TILE VERIFY IN FIELD		COMPRESSORS OIL TANKS FREE AIR INFLATC	OR	PROVIDE PROVIDE FURNISH	INS
WIDE WITH WOOD	SIEEL/METAL SECTIONS	EYE WASH STATIC WALL MOUNTED LIQUID SOAP DIS TWIN TOULET TIS	UN FANS PENSER SUE DISPENSER		PRC PRC PRC
WELDED WIRE FABRIC		SLAB THICKNESS THICKENED SLAB	TESTING IS FOR LIFTS	PROVIDE	PRC
		FIRE ALARM SYST	IONE AND CABLE		PRC
		DATA CABLING PHONE SYSTEM PHONE TERMINA DATA OLITIETS	ATIONS	PROVIDE PROVIDE PROVIDE PROVIDE	
		IT NETWORK BOX	OR OH DOORS	PROVIDE	PRO
		FIRE SUPPRESSIO FIRE EXTINGUISH	IN SYSTEM		PRO
		LANDSCAPING REPAIR/REPLACE	ASPHALT PARKING		PRO

NOTE:

ALL TENANT SUPPLIED FF&E

	S TIR	<b>S</b> DISGOUNIT	RA PRIG=	
UBLE	SIDED	#226	<b>6</b> -	SA
M/P ENGINEER	STRUCTURAL ENGINEER	PROJE	CODE CO	<u>omplianc</u>
3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16066 PHONE:(877) 323-6603 CONTACT NAME (M/P):KEITH COUCH, PE	3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16066 PHONE: (877) 323–6603 CONTACT NAME: BRETT RYLANDS, PE	MAVIS DISCOUNT TIRE 1605 BUFFALO LAKE ROAD SANFORD, NC 27332		HAF (910
CONTACT NAME (ELEC): LUIS CARRERA, PE			BUILDING CC	DE INFORMATION
GENERAL NOTES		2018 NORTH CAROLINA BUILDING C 2018 NORTH CAROLINA MECHANICA		2018 NORTH CAR( ICC/ANSI A117.1–
		2020 NATIONAL ELECTRICAL CODE		2018 NORTH CAR
TACHED DRAWINGS.		2018 NORTH CAROLINA PLUMBING	CODE	
ESPONSIBLE FOR ALL EXISTING CONDITIONS AND D	IMENSIONS AT THE SITE. IF THERE IS ANY		000	CUPANCY
NTRACTOR IS DIRECTED TO NOTIFY THE OWNER AN	ID THE ARCHITECT OF THESE BEFORE	OCCUPANCY	CLASS	
		MERCANTILE	М	SHOW
STUD UNLESS SPECIFICALLY NOTED UTHERWISE.		STORAGE	S-1	GARAGE AN
RAWING. IF ANY DIMENSIONS ARE FOUND TO BE M	IISSING, THE CONTRACTOR SHALL NOTIFY THE	NOTES:	NON-5	SEPARATED MIXED OCCUP
		CO	NSTRUCTION, BUIL	_DING HEIGHTS, &
ON, REMOVAL AND LEGAL DISPOSAL OF ALL EXIST TE THE WORK. THE CONTRACTOR SHALL BE RESP DEMOLITION OR CONSTRUCTION. THE CONTRACTOR	NG BUILDING AND SITE STRUCTURES, FINISHES ONSIBLE FOR THE PROTECTION OF ALL ADJACENT SHALL REPAIR ANY DAMAGE THAT OCCURS TO	CONSTRUCTION TYPE: VB	SPR	INKLERED: NO

WORK. WINGS AND CUT SHEETS TO THE ARCHITECT FOR APPROVAL PRIOR TO COMMENCING WITH THAT ED IN CONSTRUCTION DRAWINGS & SPECIFICATIONS.

FEDITION OF THE BUILDING CODES INDICATED HEREIN AND ALL APPLICABLE STATE CODES, RD OF FIRE UNDERWRITERS AND ALL APPLICABLE LOCAL LAWS AND REGULATIONS.

F DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL D TESTS AND INSPECTIONS, INCLUDING LETTER OF COMPLETION. CONTRACTOR SHALL FORWARD D INSPECTION APPROVALS TO THE ARCHITECT AND CLIENT FOR THEIR RECORD.

NGS AND BOARDING TO PROTECT EXISTING WORK AND FINISHES. UPON COMPLETION, REMOVE ALL S AND LEAVE ALL SPACES IN A CLEAN, ORDERLY CONDITION AND BROOM SWEPT. THE FOR ANY DAMAGE CAUSED BY IMPROPER PROTECTION AND SHALL REPAIR ANY DAMAGE CAUSED

OR ELECTRICAL POWER DURING CONSTRUCTION AND TEMPORARY ELECTRIC LIGHTING FOR ALL

JMENTS APPLYING TO THE CONTRACTOR, SHALL ALSO APPLY TO ALL SUB-CONTRACTORS. THE HE SUB-CONTRACTOR CONFORMANCE WITH THOSE REQUIREMENTS.

THE SELECTED CONTRACTOR AND/OR GENERAL CONTRACTOR

HALL BE LOCATED SO THAT THEY WILL NOT CONSTITUTE A TRIPPING HAZARD.

ENT AND TOOLS THAT MIGHT FALL FROM LEVELS ABOVE AREAS USED BY THE PUBLIC SHALL BE

LL BE SECURED AND THOSE CONTAINING MATERIAL OR DEBRIS SHALL BE COVERED AT THE END L NOT BE PERMITTED TO ACCUMULATE AND SHALL BE PROPERLY DISPOSED OF IN DEBRIS

# OF WALL-MOUNTED EQUIPMENT.

# RESPONSIBILITY SCHEDULE

Y CONTRACTOR	COMMENTS	
STALL	RE: SIGN SPECIFICATIONS AND COORDINATION INFO ON SIGNAGE SHOP DRAWINGS	
STALL	RE: SIGN SPECIFICATIONS AND COORDINATION INFO ON SIGNAGE SHOP DRAWINGS	
ROVIDE	RE: SIGN SPECIFICATIONS AND COORDINATION INFO ON SIGNAGE SHOP DRAWINGS	
ROVIDE	RE: SIGN SPECIFICATIONS AND COORDINATION INFO ON SIGNAGE SHOP DRAWINGS	
	GRAPHICS CONTRACTOR/INSTALLER TO VERIFY MEASUREMENTS	
	GRAPHICS CONTRACTOR/INSTALLER TO VERIFY MEASUREMENTS	
ROVIDE		
ROVIDE		
STALL	IF REQ'D	
STALL	PHONE/DATA WIRING BY TENANT. ELECTRICAL WIRING BY CONTRACTOR; COORDINATE LOCATION OF STUB IN FLOOR SLAB	
ROVIDE	CONTRACTOR TO INCLUDE RR ACCESSORIES. INCLUDE BABY CHANGING STATION IN CUSTOMER RR	
	PHONE/DATA WIRING BY TENANT. ELECTRICAL WIRING BY CONTRACTOR; COORDINATE LOCATION OF STUB IN FLOOR	
SEMBLE AND INSTALL	SLAB	
STALL		
STALL		
ROVIDE	PROVIDE PLASTIC LAMINATE TOP	
	CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN.	
	CONTRACTOR TO PROVIDE LIGHTING UNDER CATWALK LEVEL	
ROVIDE	SWITCH ACCOUNT TO TENANT'S NAME DURING CONSTRUCTION	
ROVIDE		
ROVIDE		
ROVIDE		
	CONTRACTOR TO MAKE FINAL FLOTTING AND COMPRESSED AND COMPLEXIONS & MUCH AUTO CHUR OF COMO	
	CONTRACTOR DECRONSIDE FOR AIR LINE CONNECTIONS TO COMPRESSORS & THE FOURDMENT	
OVIDE	CONTRACTOR RESPONSIBLE FOR AIR LINE CONNECTIONS TO CONTRACTOR RESPONSE THE EQUIPMENT	
	CONTRACTOR TO ACCEDT DELIVERY AND LINU CAD DI ACC FOR DI AN	
	CONTRACTOR TO DROVIDE CONC DAD AND BOLT TO BAD DROVIDE ELECT CONNECTION	
ROVIDE		
ROVIDE		
ROVIDE		
	IF REQ'D FOR EXISTING BUILDING	
ROVIDE	TENANT TO TEST SLAB. CONTRACTOR TO PROVIDE 4'X4'X8" THK REINF. CONC. PAD IF REQ'D	
ROVIDE		
ROVIDE		
ROVIDE		
ROVIDE	IF REQUERY HOTE HIGH CHEET A 400 PLACEMENT PER A 201 PLACE	
OVIDE	KE: GENERAL NUTE H UN SHEET A-100; PLACEMENT PER A-601 & 602	
UTIDE .		
	DELIVERY TRUCKS WILL HAVE LIET GATES, CONTRACTOR RESPONSIBLE FOR PROVIDING A PALLET LACK OR OTHER	
	MEANS OF MOVING DELIVERED ITEMS	

FIRE REQUIREMENTS
TED MIXED OCCUPANCY: THE MOST RESTRICTIVE PROVISIONS OF NCBC ON THE NONSEPARATED OCCUPANCIES SHALL APPLY TO THE TOTAL NONSE
TS FOR HIGH PILED COMBUSTIBLE STORAGE (TIRES):FIRE PROTECTION ( 2 FOR HIGH HAZARD, NON-PUBLIC ACCESSIBLE STORAGE 501-2500 S R NOT REQUIRED FOR TIRE STORAGE PER NCFC 2018 TABLE 3206.2 A ECTION TO BE PROVIDED PER NCFC 2018 SECTION 3206.5 ACCESS TO BE PROVIDED PER NCFC 2018 SECTION 3206.6 HEAT VENTS PROVIDED PER PER NCFC 2018 SECTION 3206.7 AND 20 FT. STORAGE / 50= 37.72 SQ. FT. VENT REQ'D. VENT AREA PROVIDED
INTERIOR FINISHES BY OCCUPANCY (MER
REQUIREMENTS BY OCCUPANCY
EXITWAYS TO HAVE A CLASS "A" FLAME SPREAD CLASSIFICATION
EXIT CORRIDORS TO HAVE A CLASS "B" FLAME SPREAD CLASSIFICAT
OTHER ROOMS TO HAVE A CLASS "C" FLAME SPREAD CLASSIFICATI

STIRE SUP VMILL RIVER 200, NY 10546 4-2500 ARCHITECT VMILL RIVER SEAL 13698 ARCHITECT VMILL RIVER SEAL SEAL SEAL SEAL SEAL SEAL SEAL SEAL	PERDENT AUMARY 2:         IDDATE CONTINUE (MOLARDE):         CONTER CONTINUE (MOLARDE):           (MONTE CONTINUE CONTINUE (MONTE CONTINUE CONT	PRO DISCOUNT TIRE BUFFALO LAKE ROAD DRD, NC 27332 NORTH CAROLINA BUILDING NORTH CAROLINA BUILDING NORTH CAROLINA MECHANIC NATIONAL ELECTRICAL COD NORTH CAROLINA PLUMBING OCCUPANCY MERCANTILE STORAGE NOTES: C TRUCTION TYPE: VB REQUIREMENTS BUILDING AREA BUILDING AREA BUILDING HEIGHT NUMBER OF STORIES EPARATED MIXED OCCUPANC Y TO THE NONSEPARATED C REMENTS FOR HIGH HAZARE RINKLER NOT REQUIRED FOF E DETECTION TO BE PROVIDI ILDING ACCESS TO BE PRO IOKE & HEAT VENTS PROVIDI G SQ. FT. VENT AREA PROVIDI CLASS A= 0-25 CLASS D= 26-75 CLASS D= 26-75 CLASS D= 26-75 CLASS D= 26-75 CLASS C= 76-20 NAME SHOWROOM SERVICE AREA TIRE STORAGE AREA RESTROOM AREAS MECHANICAL AREA BREAKROOM AREA MECHANICAL AREA BREAKROOM AREA MECHANICAL AREA BREAKROOM AREA MECHANICAL AREA BREAKROOM AREA MECHANICAL AREA DECUIREMENTS I P AVATORIES I P AVAT
1605 BUFFALO	ROOF LOADS       E-100       LOWER LEVEL POWER PLAN         RE: STRUCTURAL SHEET S-001 FOR ROOF DESIGN CRITERIA.       E-101       UPPER LEVEL POWER PLAN         DE PROJECT SPECIFIC ROOF MANUFACTURER'S SIGNED ASSEMBLY LETTER AND SAMPLE WARRANTY       E-102       LOWER LEVEL LIGHTING PLAN         EQUIRED WIND SPEED LISTED PRIOR TO START OF WORK. 15 YEAR NDL ROOF.       E-103       UPPER LEVEL LIGHTING PLAN       E         E-104       RISER DIAGRAM AND PANEL SCHEDULES       E       E-104       RISER DIAGRAM AND PANEL SCHEDULES       E         FA-001       GENERAL NOTES AND DETAILS       E       FA-100       FIRE ALARM DEVICE PLANS       E	RI RACTOR SHALL PROVIDE PROVID

CS-100 SCALE: NTS BASED ON 8-BAY DOUBLE SIDED PROTOTYPE DATED NOV 22 2023



<sup>©</sup> Larson Design Group 2024



<u>NOTE</u> : REFER TO (	S-100 FOR GE	NERAL PROJECT	F CODE INFORM	ATION.		
	OCC	UPANCY	TABLE	1004.1.	.2	
00	CUPANCY TYPE:	NON-SEPARATED	MIXED USE; (M)	MERCANTILE, (S	-1) STORAGE	
NAME	AREA (SF)	OCCUPANCY	GROSS SF PER OCCUPANT	NUMBER OF OCCUPANTS	EGRESS WIDTH PER OCCUPANT	EGRESS WIDTH REQUIRED
SHOWROOM AREA	1377	MERCANTILE	60	23	0.2"	4.6"
SERVICE AREA	3124	STORAGE	300	11	0.2"	2.2"
TIRE STORAGE AREA	1886	STORAGE	300	7	0.2"	1.4"
RESTROOM AREAS	189	UNOCCUPIED	0	0	-	0
MECHANICAL AREA	144	STORAGE	300	1	0.2"	0.2"
STAFF 107	82	BUSINESS	50	1	0.2"	0.2"
TOTAL				43	0.2"	8.6"







EGRESS PLAN KEYNOTES: 1. ACCESSIBLE EXIT SIGNS SHALL BE LOCATED PER SECTION 1013 & 1111 OF 2018 NORTH CAROLINA BUILDING CODE. REF: 2/G-200.
2. MIN. RATING OF A PORTABLE F.E. IS 4A:60B:C. FINAL LOCATION, MOUNTING HEIGHT, & QUANTITY BY FIRE MARSHAL. CONTRACTOR SHALL VERIFY FIRE MARSHAL REQUIREMENTS FOR INSPECTION & TAGGING. 3. ACCESSIBLE RESTROOM SIGNAGE SHALL BE LOCATED PER SECTION 1111 OF THE 2018 NORTH CAROLINA BUILDING CODE.



Larson Architectural Group 3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562

MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 (914) 984-2500



# Project No.: 11432-187 Sheet No.: G-201

MAVIS<sup>-</sup> 1605

# EGRESS PLAN LEGEND

OCCUPANT LOAD ATRIBUTED TO EXIT
REQUIRED OPENING 10"34" PROVIDED CLEAR OPENING WIDTH
TRAVEL $X' \rightarrow - \rightarrow - \rightarrow -$ MAINTAIN A 3'-0" MIN. WIDTH TRAVEL ROUTE DISTANCE FROM SPACE TO EXIT

	elope	Complia	nce C	ertifi	cate		
Project Information	1						
Energy Code: Project Title: Location: Climate Zone: Project Type: Vertical Glazing / Wall Area	20 11 Sa 4a Ne 2: 42	18 IECC 432-187_Mavis San nford, North Carolin w Construction %	ford, NC a				
Construction Site: 1585 Buffalo Road Sanford, North Carolina 2 Additional Efficienc	7332 : <b>y Package(s</b>	Owner/Agent: Mavis Tire Supply L. 358 Saw Mill River F Millwood, New York 9149842500	L.C. Road 10546	Desi Ale Lar 300 400 Cra 160	gner/Contra xandria Loc son Design 00 Westingh ) nberry Tow 066	actor: ke Group nouse Drive, S nship, Pennsy	uite Ivania
Credits: 1.0 Required 1.0 Reduced Lighting Power	Proposed , 1.0 credit						
Building Area			Floor	Area			
1-Automotive Facility : Nor	nresidential		6	979			
	Assembly		Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budge Facto
Roof: Insulation Entirely Ab Facility] Floor: Unheated Slab-On-G Automotive Facility] (c)	oove Deck, [Bldg. irade, Vertical 2 f	Use 1 - Automotive t., [Bldg. Use 1 -	6979 352	1515) 12157	30.0 7.5	0.032 0.560	0.0 0.5
NORTH Ext. Wall: Concrete Block, Normal Density, Furring: M Facility]	10in., Partially Gr letal, [Bldg. Use ]	routed, Cells Empty, l - Automotive	310	0.0	12.0	0.066	0.1
Fut Walls Chael Franced 14	6in. o.c., [Bldg. U	se 1 - Automotive	814	21.0	8.6	0.055	0.0
Facility]	ed, Perf. Specs.: F Automotive Facili	Product ID Kawneer, ty] (b)	441			0.290	0.3
Facility] Window: Metal Frame: Fixe SHGC 0.25, [Bldg, Use 1 - /		e Entrance Door	42			0.670	0.7
Facility] Window: Metal Frame: Fixe SHGC 0.25, [Bldg. Use 1 - , Door: Glass (over 50% gla; Perf. Specs.: Product ID Ka Automotive Facility] (b)	zing): Metal Fram wneer, SHGC 0.2	5, [Bldg. Use 1 -					
Ext. Wall: Steel-Franket, 11 Facility] Window: Metal Frame: Fix SHGC 0.25, [Bldg. Use 1 -/ Door: Glass (over 50% gla: Perf. Specs.: Product ID Ka Automotive Facility] (b) EAST Ext. Wall: Concrete Block, Normal Density, Furring: M Facility]	zing): Metal Fram wneer, SHGC 0.2 10in., Partially Gr letal, [Bldg. Use 1	routed, Cells Empty, 1 - Automotive	324	0.0	12.0	0.066	0.1
Ext. Wall: Steel-Franked, 11 Facility] Window: Metal Frame: Fixe SHGC 0.25, [Bldg. Use 1 - , Door: Glass (over 50% gla Perf. Specs.: Product ID Ka Automotive Facility] (b) EAST Ext. Wall: Concrete Block, Normal Density, Furring: M Facility] Ext. Wall: Steel-Framed, 16 Facility]	zing): Metal Fram wneer, SHGC 0.2 10in., Partially Gr 1etal, [Bldg. Use 1 5in. o.c., [Bldg. Use	routed, Cells Empty, 1 - Automotive	324	0.0 21.0	12.0 8.6	0.066	0.1 0.0
Ext. Wall: Steel-Framed, 11 Facility] SHGC 0.25, [Bldg. Use 1 -/ Door: Glass (over 50% gla: Perf. Specs.: Product ID Ka Automotive Facility] (b) EAST Ext. Wall: Concrete Block, Normal Density, Furring: M Facility] Ext. Wall: Steel-Framed, 10 Facility] Window: Metal Frame: Fixe SHGC 0.25, [Bldg. Use 1 -/	zing): Metal Fram wwneer, SHGC 0.2 10in., Partially G Ietal, [Bldg. Use ] 6in. o.c., [Bldg. U: 3d, Perf. Specs.: F Automotive Facili	routed, Cells Empty, 1 - Automotive se 1 - Automotive Product ID Kawneer, ty] (b)	324 1930 318	0.0 21.0	12.0 8.6 	0.066 0.055 0.290	0.1 0.0 0.3

Assembly	Gross Area or Perimeter	Cavity R-Value	F
Automotive Facility] (b) Door: Glass (over 50% glazing): Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID Clopay, SHGC 0.25, [Bldg. Use 1	142		,
- Automotive Facility] (b) Door: Glass (over 50% glazing): Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID Clopay, SHGC 0.25, [Bldg. Use 1 - Automotive Facility (b)	142	-	
Door: Glass (over 50% glazing): Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID Clopay, SHGC 0.25, [Bldg. Use 1 - Automotive Facility] (b)	142		
Door: Glass (over 50% glazing): Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID Clopay, SHGC 0.25, [Bldg. Use 1 - Automotive Facility] (b)	142		
Door: Glass (over 50% glazing): Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID Clopay, SHGC 0.25, [Bldg. Use 1 - Automotive Facility] (b)	142		
Door: Glass (over 50% glazing): Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID Clopay, SHGC 0.25, [Bldg. Use 1 - Automotive Facility] (b)	142		
SOUTH Ext. Wall: Concrete Block, 10in., Partially Grouted, Cells Empty, Normal Density, Furring: Metal, [Bldg. Use 1 - Automotive Facility]	1163	0.0	1
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Automotive Facility]	21		
WEST Ext. Wall: Concrete Block, 10in., Partially Grouted, Cells Empty, Normal Density, Furring: Metal, [Bldg. Use 1 - Automotive Facility]	318	0.0	1
Ext. Wall: Steel-Framed, 16in. o.c., [Bldg. Use 1 - Automotive	1930	21.0	2010
Door: Glass (over 50% glazing): Metal Frame, Entrance Door, Perf. Specs.: Product ID Kawneer, SHGC 0.25, [Bidg. Use 1 - Automotive Facility] (b)	21		
Window: Metal Frame: Fixed, Perf. Specs.: Product ID Kawneer,	318	122	
Door: Glass (over 50% glazing): Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID Clopay, SHGC 0.25, [Bldg. Use 1 - Automotive Facility) (b)	142		
Door: Glass (over 50% glazing): Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID Clopay, SHGC 0.25, [Bldg. Use 1 - Automotive Facility] (b)	142		
Door: Glass (over 50% glazing): Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID Clopay, SHGC 0.25, [Bldg. Use 1 - Automotive Facility] (b)	142		
Door: Glass (over 50% glazing): Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID Clopay, SHGC 0.25, [Bldg. Use 1 - Automotive Facility] (b)	142		
Door: Glass (over 50% glazing): Metal Frame, Non-Entrance Door, Perf. Speces.: Product ID Clopay, SHGC 0.25, [Bldg. Use 1 - Automotive Facility] (b)	142		
Door: Glass (over 50% glazing): Metal Frame, Non-Entrance Door, Perf. Specs.: Product ID Clopay, SHGC 0.25, [Bldg. Use 1 - Automotive Facility] (b)	142		
<ul> <li>(a) Budget U-factors are used for software baseline calculation</li> <li>(b) Fenestration product performance must be certified in according (c) Slab-On-Grade proposed and budget U-factors shown in tal</li> </ul>	s ONLY, and an ordance with NF ole are F-factors	e not code RC and re s.	re qui

Data filename:

#	Framing / Rough-In Inspection	Complies?	Comments/Assumptions
& Req.ID	Expectration products rated in	Complies	
[FR12] <sup>2</sup>	accordance with NFRC.		
			1 1 1
C303.1.3	Fenestration products are certified as	Complies	1 1 1 1
[FR13] <sup>1</sup>	to performance labels or certificates	Does Not	
	provided.	□Not Observable	1 1 1
		□Not Applicable	
C402.4.3	Vertical fenestration SHGC value.	Complies	See the Envelope Assemblies table for values.
[FK10]*		Does Not	
		Not Observable	
C102.1.2	Installed vertical fonestration II factor		See the Envelope Assemblies table for values
C402.4.3, C402.4.3.	and SHGC consistent with label	Does Not	
4	specifications and as reported in plans	Not Observable	
[FK8]+	and COMCNECK reports.	□Not Applicable	
C402 5 1	The building envelope contains a		1 
2.1	continuous air barrier that is sealed in	Does Not	
[FR19] <sup>1</sup>	an approved manner and material permeability <= 0.004 dfm/ft2. Air barrier penetrations are sealed in an	Not Observable	
		Not Applicable	
	approved manner.		
C402.5.2,	Factory-built fenestration and doors are labeled as meeting air leakage requirements.	Complies	
[FR18] <sup>3</sup>			
		Not Observable	
C402.5.7	Vestibules are installed on all building		1
[FR17] <sup>3</sup>	entrances. Doors have self-closing	Does Not	
	devices.	□Not Observable	
		□Not Applicable	
Addition	A Comments/Assumptions:		
Additiona	al Comments/Assumptions:		
Additiona	al Comments/Assumptions:		
Additiona	al Comments/Assumptions:		
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Additiona	al Comments/Assumptions:		
Additiona	al Comments/Assumptions:		

 1
 High Impact (Tier 1)
 2
 Medium Impact (Tier 2)
 3
 Low Impact (Tier 3)

Report date: 11/21/24

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Project Title: 11432-187\_Mavis Sanford, NC

Data filename:

Additiona	al Comments/Assumptions:		
	gravity dampers where allowed. Reference section language for operational details.		
[ME58] <sup>3</sup>	outdoor air and exhaust systems have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Check	Does Not	
	operational details.	Not Observable	
[ME3] <sup>3</sup>	Stair and elevator shaft vents have motorized dampers that automatically	Complies Does Not	
C402.5.5, C403.2.4. 3 [ME3] <sup>3</sup>		complies:	





			-hard and
Requiren	nents: 0.0% were addressed dir	ectly in the COM	check software
requirem is being c	ent, the user certifies that a code re laimed. Where compliance is itemiz	equirement will be red in a separate t	met and how that is able, a reference to t
Section #	Plan Review	Complies?	Comm
& Req.ID	Plans and/or specifications provide all		
[PR1] <sup>1</sup>	information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	Does Not Not Observable	
C402.4.1 [PR10] <sup>1</sup>	The vertical fenestration area <= 30 percent of the gross above-grade wall area.	Complies Does Not Not Observable	
C402.4.1	The skylight area <= 3 percent of the	□Not Applicable □Complies	
[PR11] <sup>1</sup>	gross roof area.	Does Not Not Observable Not Applicable	
C402.4.2 [PR14] <sup>1</sup>	In enclosed spaces > 2,500 ft2 directly under a roof with ceiling heights >15 ft. and used as an office, lobby, atrium, concourse, corridor, storage, gymnasium/exercise center, convention center, automotive service, manufacturing, non- refrigerated warehouse, retail store, distribution/sorting area, transportation, or workshop, the following requirements apply: (a) the daylight zone under skylights is >= half the floor area; (b) the skylight area to daylight zone is >= 3 percent with a skylight VT >= 0.40; or a minimum skylight effective aperture >= 1 percent.	Complies Does Not Not Observable Not Applicable	
C406 [PR9] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	
Addition	al Comments/Assumptions:		
		-	





Larson Architectural Group

3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562

MAVIS TIRE SUPPLY, LLC



C303.2 [F04] <sup>2</sup> Slab edge insulation installed per manufacturer's instructions.       Complies Does Not Not Observable         C303.2.1 [F06] <sup>1</sup> Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.       Complies Does Not Does Not         Installed slab-on-grade insulation type (F03] <sup>2</sup> Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.       See the Envelope Assemblies table for values.         C402.2.4 [F07] <sup>2</sup> Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       See the Envelope Assemblies table for values.	C303.2 [F04] <sup>2</sup> Slab edge insulation installed per manufacturer's instructions.       □Complies □Does Not □Not Observable         C303.2.1 [F06] <sup>1</sup> Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.       □Complies □Does Not □Does Not         C105 [F03] <sup>2</sup> Installed slab-on-grade insulation type [C03] <sup>2</sup> See the Envelope Assemblies table for values.         C402.2.4 [F07] <sup>2</sup> Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       □Complies □Does Not □Does Not         Additional Comments/Assumptions:       See the Envelope Assemblies table for values.	C303.2 [F04] <sup>2</sup> Slab edge insulation installed per manufacturer's instructions.       Complies Does Not Not Observable Not Applicable         C303.2.1 [F06] <sup>1</sup> Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.       Complies Does Not Not Observable Not Applicable         C105 [F03] <sup>2</sup> Installed slab-on-grade insulation type pecifications reported in plans and COMcheck reports.       See the Envelope Assemblies table for values.         C402.2.4 [F07] <sup>2</sup> Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       Complies Does Not Does Not         Additional Comments/Assumptions:       Mot Observable Not Applicable	C303.2 [F04] <sup>2</sup> Slab edge insulation installed per manufacturer's instructions.       Complies Does Not INot Observable Observable         C303.2.1 [F06] <sup>1</sup> Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.       Complies Does Not INot Observable         C105 [F03] <sup>2</sup> Installed slab-on-grade insulation type pecifications reported in plans and COMcheck reports.       Complies Does Not INot Observable         C402.2.4 [F07] <sup>2</sup> Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       See the Envelope Assemblies table for values.         C402.2.4 Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       See the Envelope Assemblies table for values.         Mot Observable Not Observable       Not Observable         Not Applicable       See the Envelope Assemblies table for values.         Mot Observable       Not Observable         Not Observable       Not Applicable	Section # & Req.ID	Footing / Foundation Inspection	Complies?	Comments/Assumptions
C303.2.1 FO6] <sup>1</sup> Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.       □Complies □Dees Not         C105 FO3] <sup>2</sup> Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.       □Complies □Does Not         C402.2.4 FO7] <sup>2</sup> Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       □Complies □Does Not	C303.2.1 FO6] <sup>1</sup> Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.       □Complies         105 FO3] <sup>2</sup> Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.       Complies       See the Envelope Assemblies table for values.         2402.2.4 FO7] <sup>2</sup> Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       □Complies □Does Not □Not Observable □Not Observable       See the Envelope Assemblies table for values.         What Applicable       □Complies □Does Not       See the Envelope Assemblies table for values.         4401       Stab regulation depth/length. Sub insulation extending away from building is covered by pavement or >= 10 inches of soil.       See the Envelope Assemblies table for values.         Not Observable       □Not Observable       Installed See the Envelope Assemblies table for values.         Additional Comments/Assumptions:       □Not Observable       Installed See the Envelope Assemblies table for values.	C303.2.1       Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.       □Complies         Installed slab-on-grade insulation type F03]2       Installed slab-on-grade insulation type insulation type intervention in plans and COMcheck reports.       □Complies insulation extending away from building is covered by pavement or >= 10 inches of soil.       See the Envelope Assemblies table for values.         F07]2       Slab edge insulation depth/length. Side insulation extending away from building is covered by pavement or >= 10 inches of soil.       □Does Not Applicable         Additional Comments/Assumptions:       □Not Applicable       See the Envelope Assemblies table for values.	2303.2.1       Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.	2303.2 FO4] <sup>2</sup>	Slab edge insulation installed per manufacturer's instructions.	Complies Does Not Not Observable Not Applicable	
C105 [FO3] <sup>2</sup> Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.       □Complies □ Does Not       See the Envelope Assemblies table for values.         C402.2.4 [FO7] <sup>2</sup> Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       See the Envelope Assemblies table for values.	C105 [FO3] <sup>2</sup> Installed slab-on-grade insulation type and R-value consistent with insulation pecifications reported in plans and COMcheck reports.       Complies Does Not Not Observable       See the Envelope Assemblies table for values.         C402.2.4 [FO7] <sup>2</sup> Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       Complies Does Not Does Not       See the Envelope Assemblies table for values.         Additional Comments/Assumptions:       Not Applicable       Additional Comments/Assumptions:	C105 [FO3] <sup>2</sup> Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.       Complies Does Not Not Observable Not Applicable       See the Envelope Assemblies table for values.         C402.2.4 [FO7] <sup>2</sup> Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       Complies Does Not Does Not       See the Envelope Assemblies table for values.         Additional Comments/Assumptions:       Not Observable       Not Applicable	C105 [FO3] <sup>2</sup> Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.       Comples       See the Envelope Assemblies table for values.         C402.2.4 [FO7] <sup>2</sup> Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       Comples Does Not         Additional Comments/Assumptions:       See the Envelope Assemblies table for values.	C303.2.1 [FO6] <sup>1</sup>	Exterior insulation protected against damage, sunlight, moisture, wind, landscaping and equipment maintenance activities.	Complies Does Not Not Observable Not Applicable	
C402.2.4       Slab edge insulation depth/length.       Complies       See the Envelope Assemblies table for values.         [F07] <sup>2</sup> Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       Does Not	C402.2.4 [FO7] <sup>2</sup> Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       Complies Does Not Not Observable Not Applicable         Additional Comments/Assumptions:       See the Envelope Assemblies table for values.	C402.2.4 [FO7] <sup>2</sup> Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       Complies Does Not Not Observable Not Applicable         Additional Comments/Assumptions:	C402.2.4 [FO7] <sup>2</sup> Slab edge insulation depth/length. Slab insulation extending away from building is covered by pavement or >= 10 inches of soil.       Complies Does Not Not Observable       See the Envelope Assemblies table for values.         Additional Comments/Assumptions:       Not Applicable	C105 [FO3]²	Installed slab-on-grade insulation type and R-value consistent with insulation specifications reported in plans and COMcheck reports.	Complies Does Not Not Observable Not Applicable	See the Envelope Assemblies table for values.
LINot Applicable	Additional Comments/Assumptions:	Additional Comments/Assumptions:	Additional Comments/Assumptions:	C402.2.4 [FO7] <sup>2</sup>	Slab edge insulation depth/length. Slab insulation extending away from building is covered by payement or	□Complies □Does Not	See the Envelope Assemblies table for values.







Project No.: 11432-187 Sheet No.:



Name of Project	E Mavis #2266
Address: 1585	Buffalo Lake Road Sanford, NC Zip Code 27332
Owner/Authoriz	zed Agent: Brandon DeHaas Phone # ( <u>570</u> ) <u>244</u> - <u>3478</u> E-Mail BDeHaas@larsondesigngroup.com
Owned By:	City/County X Private State
Code Enforceme	ent Jurisdiction: City X County_ <u>Harnett</u> State
CONTACT:	
DESIGNER	FIRM NAME LICENSE # TELEPHONE # E-MAIL
Architectural	Larson Architectural Group Tammy Davis 13698 (607) 463-2909 tmdavis@larsondesigngroup.com
Civil	
Electrical	Larson Architectural Group Luis Carrera 056085 (689) 345-7085 LCarrera@LarsonDesignGroup.ca
Plumbing	Larson Architectural Group Keith Couch 53330 (689) 277-7048 K Couch@LarsonDesignGroup.co
Mechanical	Larson Architectural Group Keith Couch 53330 (689)227-7048 KCouch@LarsonDesignGroup.co
Sprinkler-Standy	pipe (_)
Structural	Larson Architectural Group Brett Rylands 33503 (689)227-7736 BRylands@LarsonDesignGroup.c
Retaining Walls	>5' High ()
Other	
	procedures and requirements Phased Construction - Shell/Core- Contact the local inspection jurisdiction for
2018 NC EXIS CONSTRU RENOVAT OCCUPANCY	possible additional procedures and requirements         TING BUILDING CODE: EXISTING:       Prescriptive       Repair       Chapter 14         Alteration:       Level I       Level II       Level III         Historic Property       Chapter 14         JCTED:       (date)       CURRENT OCCUPANCY(S) (Ch. 3):         FED:       (date)       PROPOSED OCCUPANCY(S) (Ch. 3):         CATEGORY (Table 1604.5):       I       II       III         V       Proposed:       I       II       IV

Floor	EXISTING (SQ FT) NEW (SQ FT)
3 <sup>rd</sup> Floor	
2 <sup>nd</sup> Floor	
Mezzanine	
1 <sup>st</sup> Floor	6,979 SQ FT
Basement	
TOTAL	6,979 SQ FT
	ALLOWABLE AREA
rimary Occup	ancy Classification(s): Select one Select one Select one Select
Agambly	$\Box \land 1 \Box \land 2 \Box \land 2 \Box \land 4 \Box \land 5$
Assembly	$\square A^{-1} \square A^{-2} \square A^{-3} \square A^{-4} \square A^{-3}$
E des entires	
Educational	
Factory	$\square$ F-1 Moderate $\square$ F-2 Low
Hazardous	$\square$ H-1 Defonate $\square$ H-2 Definagrate $\square$ H-3 Combust $\square$ H-4 J
Institutional	$\Box I = I  Condition  \Box I  \Box 2$
	$\square 1-2$ Condition $\square 1 \square 2$
	$\square$ I-3 Condition $\square$ 1 $\square$ 2 $\square$ 3 $\square$ 4 $\square$ 5
	LI I-4
Mercantile	
Residential	□ R-1 □ R-2 □ R-3 □ R-4
Storage	🔀 S-1 Moderate 🗌 S-2 Low 🗌 High-piled
	Parking Garage 🗌 Open 🗌 Enclosed 🖾 Repair Garage (M
Utility and M	Miscellaneous
ccessory Occu	apancy Classification(s): <u>N/A</u>
ncidental Uses	(Table 509): N/A
necial Uses (Cl	hanter 4 – List Code Sections): N/A
necial Provisio	ons: (Chanter 5 – List Code Sections): N/A
fixed Occupan	<b>ncy:</b> No X Yes Separation: Hr. Exce
X Non	I-Separated Use (508.3) - The required type of construction for the applying the height and area limitations f occupancies to the entire building. The n
	construction, so determined, shall apply t
Sepa	arated Use (508.4) - See below for area calculations for each story, be such that the sum of the ratios of the actual the allowable floor area for each use shall not t
Actua	al Area of Occupancy A + Actual Area of Occupancy B
	ble Area of Occupancy A Allowable Area of Occupancy B
Allował	
Allował	+ +

FOTAL     ACCESSIBLE     ACCESSIBLE     TYPE A     TYPE A     TYPE B     TYPE B     TYPE B       JNITS     UNITS     PROVIDED     REQUIRED     PROVIDED     REQUIRED     PROVIDED     REQUIRED     PROVIDED     REQUIRED     PROVIDED     PROVIDED     REQUIRED     PROVIDED     REQUIRED     PROVIDED     REQUIRED     PROVIDED     REQUIRED     PROVIDED     REQUIRED     PROVIDED     REQUIRED     REQUIRED     PROVIDED     REQUIRED     TOTAL #     ACCESSIBLE     PROVIDED     TOTAL #     ACCESSIBLE     REQUIRED     TOTAL #     ACCESSIBLE     PROVIDED     PROVIDED     TOTAL #     ACCESSIBLE     PROVIDED     PROVIDED     PROVIDED     PROVIDED     TOTAL #     ACCESSIBLE     PROVIDED     ACCESSIBLE     PROVIDED     PROVIDED <th></th> <th></th> <th></th> <th></th> <th>ACCE</th> <th>SSIBLE (SEC</th> <th><b>DWELI</b> TION 11</th> <th><b>JING UN</b> 07)</th> <th>ITS</th> <th></th> <th></th> <th></th>					ACCE	SSIBLE (SEC	<b>DWELI</b> TION 11	<b>JING UN</b> 07)	ITS			
ACCESSIBLE PARKING (See civil plans under separate permit) (SECTION 1106) OT OR PARKING TOTAL # OF PARKING SPACES # OF ACCESSIBLE SPACES PROVIDED TOTAL # REQUIRED PROVIDED REGULAR WITH VAN SPACES WITH ACCESSIBLE S'ACCESS AISLE 132" ACCESS & S'ACCESS AISLE AISLE AISLE OTAL	TOTAL UNITS	Access Uni Requi	SIBLE TS RED	ACCESSIBI UNITS PROVIDED	E TY U REC	7PE A INITS QUIRED	TYPE A UNITS PROVIDE	D REQ	PE B NITS UIRED	TYPE B UNITS PROVIDED	ACCES	TOTAL SIBLE UNITS ROVIDED
OTAL     AISLE     AISLE       OTAL     Image: Constraint of the second seco	LOT OR AREA	PARKING	TOTA	L # OF PARK UIRED	ING SPACE PROVIDED	(SEC'	TION 11 # of a LAR WITH TESS AISLE	06)	SPACES PI VAN SPA ACCESS	ROVIDED CES WITH 8' ACCI	ess	TOTAL # ACCESSIBLE PROVIDED
OTAL								A	ISLE	AISL	E	
PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)       USE     SHOWERS     DRINKING FOUNTAINS       USE     LAVATORIES     SHOWERS     DRINKING FOUNTAINS       MALE     FEMALE     UNISEX     MALE     FEMALE     UNISEX     ACCESSIBL       VCE     EXIST'G     Image: Colspan="5">Image: Colspan="5">COLSPan="5">COLSPan= 5"	TOTAL											
USE         WATERCLOSETS         URINALS         LAVATORIES         SHOWERS         DRINKING FOUNTAINS           MALE         FEMALE         UNISEX         MALE         FEMALE         UNISEX         TUBS         REGULAR         ACCESSIBL           ACE         EXIST'G				Р	LUMBI	NG FIXT (TAB	URE RI SLE 2902	QUIREN .1)	MENTS			
ACE EXIST'G	U	ïΕ	MALE	FEMALE	ETS	URINALS	MALE	LAVATORI	ES	SHOWERS /TURS	DRINKING	G FOUNTAINS
			PRALE	TEMALE	OUGDEA		DUALE	LEMALE	UNIOLA	T TODO	REGOLAR	ACCESSIBLE

USE		W	ATERCLOSI	ETS	URINALS	LAVATORIES			SHOWERS	DRINKING	DRINKING FOUNTAINS	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	/TUBS	REGULAR	ACCESSIBLE	
	EXIST'G											
	NEW	1	1	1	0	1	1	1		1	1	
	REO'D	1	1	0	0	1	1	0	1	1	1	

SPECIAL APPROVALS

2018 NC Administrative Code and Policies

2018 NC Administrative Code and Policies

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)



2018 NC Administrative Code and Policies



	2010 A DRENDIN D	
	2018 APPENDIX B Duil ding code summady fod all commedicial diotects	2018 APPENDIX B
most the energy and shall	DUILDING CODE SUIVINIARY FOR ALL COMINIERCIAL PROJECTS STRUCTURAL DESIGN	BUILDING CODE SUMMARY FOR ALL COMME
rmation for the plan data sheet.	(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)	MECHANICAL DESIGN (PROVIDE ON THE MECHANICAL SHEETS IF APPI
vs annual energy cost for the	DESIGN LOADS:	
	<b>Importance Factors:</b> Snow (I <sub>s</sub> ) <u>1.0</u>	MECHANICAL SUMMARY
r of this section is not applicable)	Seismic (I <sub>E</sub> ) $1.0$	MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
	Live Loads: Roof <u>20</u> psf	Thermal Zone
	Mezzanine <u>125</u> psf	winter dry bulb: 18 F
		summer dry bulb: 94 F
ptive	Ground Snow Load: <u>10</u> psf	Interior design conditions
ptive	Wind Load: Basic Wind Speed <u>115</u> mph (ASCE-7)	winter dry bulb:68 F
	Exposure CategoryB	summer dry bulb: 75 F
	SEISMIC DESIGN CATEGORY: $\Box$ A $\Box$ B $\boxtimes$ C $\Box$ D	Building heating load: 103,900 BTUH
-	Provide the following Seismic Design Parameters: <b>Risk Category</b> (Table 1604.5) I I II III IV	Building cooling load: 97,000 BTUH
	Spectral Response Acceleration $S_8 \underline{34.4} \ \%g S_1 \underline{11.3} \ \%g$	Machanical Spacing Conditioning System
	Site Classification (ASCE 7) A B C X D F	Unitary
	Data Source: I Field Test Presumptive Historical Data	description of unit: <u>Rooftop Unit</u>
-	Basic structural system 🖄 Bearing Wall 🗌 Dual w/Special Moment Frame	heating efficiency: $81\%$ cooling efficiency: IEER = 14.6
	Moment Frame Inverted Pendulum	size category of unit: 8.5 Tons
-	Analysis Procedure: Simplified X Equivalent Lateral Force Dynamic	Boiler Size category. If oversized state reason · N/A
	Architectural, Mechanical, Components anchored?	Chiller
	LATERAL DESIGN CONTROL: Earthquake 🗌 Wind 🖾	Size category. If oversized, state reason.: N/A
	SOIL REARING CARACITIES:	List equipment efficiencies: <u>14.6 IEER - 81%</u> EFF Heating
	Field Test (provide copy of test report) 3,000 psf	
	Presumptive Bearing capacity 3,000psf	
1	1 no sizo, typo, and capaony	
-		
-		
-		



BASED ON 8-BAY DOUBLE SIDED PROTOTYPE DATED NOV 22 2023



	ROOF PLAN GENERAL NOTES			LEGEND
A.	RE: TYPICAL ROOFING DETAILS ON SHEET A-555		ord Ord	ROOF DRAIN OVERFLOW ROOF DRAIN
В.	GENERAL CONTRACTOR TO COORDINATE EXACT ROOF EQUIPMENT LOCATIONS AND LAYOUT W/ HVAC EQUIPMENT REQUIREMENTS.			<ul> <li>CRICKET ( SLOPE EACH SIDE 1/2" PER FT)</li> <li>WALL BELOW</li> </ul>
C.	ROOF HATCH TO BE 30"x36" ALUMINUM HATCH MODEL S-50 W/ SAFETY POST BY BILCO (THERMALLY BROKEN.) COORDINATE FINAL LOCATION WITH ROOF JOISTS, RACKING PLAN, AND ACCESS LADDER LOCATION.	L		
D.	ROOF TOP WALKWAY PADS TO BE PLACED AROUND ALL ROOF TOP EQUIPMENT.			
E.	SHRINK OUT SMOKE VENT TO BE 48"W X 96"L; MODEL CSOS 55102 BY WASCO. SET VENT ON MANUFACTURED CURB. COORDINATE FINAL LOCATION WITH ROOF JOISTS. FLASH AND SEAL IN ACCORDANCE WITH ROOF MANUFACTURER'S RECOMMENDATIONS. REFER TO SPECS FOR ALTERNATES.			
F	DED OSHA DEOLIDEMENTS SMOKE VENTS TO DE DDOVIDED WITH FALL			

MARK	MATERIAL	MANUFACTURER	STYLE/COLOR	NOTES
ACT	ACOUSTICAL CEILING TILE	ARMSTRONG	DUNE SECOND LOOK II MODEL: 2712 24"X48"X3/4" TILE OLOR: WHITE	1
NC	NO CEILING FINISH	_	_	_
TYPE 'X' MRGWB	TYPE 'X' MOISTURE RESISTANT GYPSUM WALL BOARD	RE: SPEC 92900	RE: SPEC 92900	
LVT-1	VINYL FLOORING	MATTER SURFACES	SPEC: JFLVLXCRT, COLOR: LEXINGTON CONCRETE 2.5 MM, SIZE: 18"X36"	2
S-1	ARMOR S2000 CONCRETE DENSIFIER SEALER	FOUNDATION ARMOR	_	3
D-1	PAINT FOR DOOR AND FRAMES	BENJAMIN MOORE	COLOR: PLATINUM GRAY SHEEN: SEMI—GLOSS	5
M-1	PAINT FOR MISC. STEEL ITEMS	BENJAMIN MOORE	SHEEN: SEMI-GLOSS COLOR: MATCH ADJACENT SURFACE OR AS INDICATED	6
CG-1	CORNER GUARD	INPRO	11212 TAPE- ON CORNER GUARD 12'X1 1/2", 90 COLOR: DOVE GRAY	7
CG-2	CORNER GUARD	INPRO	11248 TAPE- ON CORNER GUARD 4'X1 1/2", 90 COLOR: DOVE GRAY	7
CR-1	CHAIR RAIL	INPRO	2500 CHAIR RAIL COLOR: SHIPROCK 0280	8
FRP	FIBER REINFORCED PLASTIC PANELS	MARLITE	STANDARD FRP TEXTURE: PEBBLE SURFACE COLOR: P151- LIGHT GREY	7
GWB	GYPSUM WALL BOARD	RE: SPEC 92900	RE: SPEC 92900	
HIGWB	HIGH IMPACT GYPSUM WALL BOARD	RE: SPEC 92900	RE: SPEC 92900	
MRGWB	MOISTURE RESISTANT GYPSUM WALL BOARD	RE: SPEC 92900	RE: SPEC 92900	
NB	NO WALL BASE	_	_	_
NWF	NO WALL FINISH	_	_	_
P-1	PAINT FOR GWB/PLYWOOD	BENJAMIN MOORE	COLOR: PLATINUM GRAY HC-179 SHEEN: SEMI-GLOSS	9
P-1A	PAINT FOR MASONRY	BENJAMIN MOORE	COLOR: PLATINUM GRAY HC-179 SHEEN: SEMI-GLOSS	10
P-2	PAINT FOR GWB/PLYWOOD	BENJAMIN MOORE	COLOR: #742 TEAL SHEEN: SEMI-GLOSS	9
P-2A	PAINT FOR MASONRY	BENJAMIN MOORE	COLOR: #742 TEAL SHEEN: SEMI—GLOSS	10
P-3	PAINT FOR GWB	BENJAMIN MOORE	COLOR: STONINGTON GRAY HC-170 SHEEN: SEMI-GLOSS	9
P-3A	PAINT FOR INTERIOR STEEL COLUMNS	BENJAMIN MOORE	COLOR: STONINGTON GRAY HC-170 SHEEN: SEMI-GLOSS	5
P-4	PAINT FOR GWB/PLYWOOD	BENJAMIN MOORE	COLOR: NAVAJO WHITE SHEEN: SEMI-GLOSS	9
P-4A	PAINT FOR MASONRY	BENJAMIN MOORE	COLOR: NAVAJO WHITE SHEEN: SEMI-GLOSS	10
P-5	PAINT FOR SHELF	SHERWIN-WILLIAMS	BASE: EXTRA WHITE SHEEN: SEMI-GLOSS	11
PL-2	PLASTIC LAMINATE	FORMICA	MODEL: 961–58 COLOR: FOG	7
SVP-1	SHEET VINYL WALL PROTECTION	INPRO	405–50 PALLADIUM RIGID VINYL SHEET .040,4'X50' ROLLED SHEET COLOR: DOVE GRAY 0106	12
VB-1	VINYL WALL BASE	JOHNSONITE	4" BASE COLOR: #20 CHARCOAL	13
VB-1 ALL PER ALL IN MU ALL PER ATIONAL / SH PER M : (1) COA COAT: (2 SH PER M : (1) COA SEAL COL SH PER M : (1) COA COAT: (2 ISH PER I : (1) COA COAT: (2	VINYL WALL BASE MFR RECOMMENDATIONS. TEE SIZ ONOLITHIC PATTERN PER MFR RE ITS MFR RECOMMENDATIONS. INTERL ACCOUNT VENDOR INFORMATION) FR RECOMMENDATIONS. AT- BM SUPER SPEC HP ACRYLI ) COATS- BM SUPER SPEC HP FR RECOMMENDATIONS. AT- IRONCLAD ALKYD METAL & ) COATS- IRONCLAD ALKYD METAL MFR RECOMMENDATIONS. D OF CAULK ON TOP OF CHAIR LOR MATCHING CAULK, #580). IN FR RECOMMENDATIONS. AT-BM ULTRA SPEC 500 INTERIC ) COATS- BM ULTRA SPEC 500 MFR RECOMMENDATIONS. AT-BM ULTRA SPEC MASONRY H ) COATS- BM ULTRA SPEC ELAS MFR RECOMMENDATIONS. MFR RECOMMENDATIONS. MFR RECOMMENDATIONS. MFR RECOMMENDATIONS. MFR RECOMMENDATIONS. MFR RECOMMENDATIONS. MFR RECOMMENDATIONS. TEXTU	JOHNSONITE ZE: 15/16" ECOMMENDATIONS OCKING TILES. INSTALL C PRIMER #HP04 D.T.M. ACRYLIC SEMI- WD ENAMEL C163 TAL & WD ENAMEL C16 RAIL IN MATCHING CO ISTALL PER MFR RECO R LATEX PRIMER N534 INTERIOR SEMI-GLOSS I-BUILD BLOCK FILLER STOMERIC LOW LUSTRE IRED SIDE IS TO BE EX LENGTHS.	COLOR: #20 CHARCOAL . REDUCER STRIP & TRANSITION STRIP. GLOSS #HP29 53 LOR MMENDATIONS. 4 5 FINISH N539 571 5360 XPOSED.	13

				FIN	ISH SCH	IEDULE			
	ROOMS	FL00	RS		WALLS			CEILING	REMARKS
RM NO	RM NAME	FLOOR MATL	FLOOR FIN	BASE MATL	WALL MATL	WALL FIN	CLG MATL	CLG HT	
101	SHOWROOM	CONC	LVT–1	VB-1	GWB	P-3, SVP-1	ACT	12'-0" AFF AND 8'-0" AFF	
102	WAITING AREA	CONC	LVT-1	VB-1	GWB	P-3, SVP-1	ACT	12'-0" AFF	
104	MECHANICAL ROOM	CONC	S-1	NB	GWB	NWF	GWB	7'-4 1/4" AFF	
105	WOMEN'S ROOM	CONC	LVT-1	VB-1	GWB	P-4, SVP-1	ACT	8'-0" AFF	
106	MEN'S ROOM	CONC	LVT-1	VB-1	GWB	P-4, SVP-1	ACT	8'-0" AFF	
107	STAFF	CONC	S-1	VB-1	GWB	FRP	ACT	8'-0" AFF	
107A	STAFF	CONC	S-1	VB-1	GWB	FRP	ACT	8'-0" AFF	
108	SERVICE AREA	CONC	S-1	NB	PLYWD HIGWB MRGWB	P–1, P–2, P–4	_	OPEN TO DECK	NOTE 4, 15
109	TIRE STORAGE	CONC	S-1	NB	СМU	P-1, P-2, P-4	_	OPEN TO DECK	NOTE 4, 15
FI 1. P GREATER 2. E 3. F 4. F 5. F 6. F 7. C 8. A 9. A 10. A COLOR. 11. A	NISH NOTES: ROVIDE SMOOTH AN THAN 1/8" (MIN. XTEND ROOM FINISI INISH FLOORING PR E: DETAIL 7/A-30 E: DETAILS 8 AND EAR WALL IN SERV ENTER CEILING TO ALL SURFACES SHAI ALL INTERIOR FINISH ALL EXTERIOR FERRO LL PARTITION OUTS	ND LEVEL TRANSI 36") HES INTO ADJACE IOR TO INSTALLA 2 FOR PAINT PA 9 ON SHEET A- ICE AREA TO BE ROOM OR SPACE L BE PREPARED IES SHALL BE CL DUS METAL (COLU	TION BETWEEN ENT CLOSETS TION OF CASE TTERN ON BO 302 FOR WAL PAINTED P-4 S. COORDINAT AS REQUIRED ASS "C" MININ JMNS, DOORS, HAVE METAL	AND SIMILAR S WORK AND EQ TH SIDE WALLS UNLESS OTHE WITH REFLEC IN ORDER TO MUM, U.O.N. ETC.) SHALL CORNER BEAD	OOR MATERIALS PACES U.O.N. UIPMENT OF SERVICE A RN OF LOW CM RWISE NOTED. CTED CEILING P RECEIVE NEW BE PRIMED AND	S. FLASH PAT REA. IU WALLS. LAN. FINISHES. D PAINTED WI	TH AN ALKYE	RING TRANSITIONS WHERE M	ATERIAL THICKNESS IS

13. ALL FIRE PANELS/BOXES TO BE RED. 15. RE: 3/A-301 & 1/A-502 & WALL TYPE 1 A-700





14. SEALED CONCRETE: FOUNDATION ARMOR TO BE APPLIED IN A SINGLE COAT PER MFR. REQUIREMENTS. G.C. TO CLEAN AND SMOOTH SLAB PRIOR TO APPLICATION. REMOVE PUDDLES AND EXCESS SEALANT AS REQUIRED FOR EVEN APPLICATION.



![](_page_8_Figure_15.jpeg)

![](_page_9_Figure_0.jpeg)

	1	E>	KTERIOR N	IATERIALS SC	HEDULE		
	MARK		MANUFACTURER	STYLE/COLOR	NOTES		G
INISHES	D-2	PAINT FOR GALVANIZED HM DOOR & FRAME	KAWNEER BENJAMIN MOORE	COLOR: OC-129 ALABASTER WHITE SHEEN: SEMI-GLOSS	INSTALL PER MFR RECOMMENDATIONS. FINISH PER MFR RECOMMENDATIONS. PRIMER: (1) COAT- BM SUPER SPEC HP ACRYLIC PRIMER #HP04 FINISH COAT: (2) COATS- BM SUPER SPEC HP D.T.M. ACRYLIC	Larson Archit 3000 WESTING SUITE	ectural Group HOUSE DRIVE E 400
DOOR F	D-4	ALUMINUM AND GLASS OH DOORS	RAYNOR GARAGE DOORS	RAYNOR AV200 COLOR: CLEAR SATIN ANODIZED ALUMINUM	INSTALL PER MFR RECOMMENDATIONS. RE: SPECS FOR ADDITIONAL INFO. *DOORS AT RACKING SHALL BE FIXED AND SECURE CONTACT DH PACE: ADAM POSLOSKY,	CRANBERRY 1 (724) 59 MAVIS TIRE 5	WP, PA 16606 01-8562 SUPPLY, LLC
	F-1	VERTICAL METAL FASCIA	ATAS	MULTIPURPOSE PANELS- MPN SEMI STANDING SEAM 12" WIDE, 0.032" ALUMINUM COLOR: #19 TEAL	INSTALL PER MFR RECOMMENDATIONS.	358 SAW MILL RI MILLWOOD, NY (914) 984-2500	VER ROAD 10546
	F-2	ALUMINUM ACCENT STRIPE	ATAS	0.032" ALUMINUM COLOR: #26 BONE WHITE	INSTALL PER MFR RECOMMENDATIONS.	CLIENT	ROLINI
ITEMS	F-3	METAL ROOF COPING	ROOF MFR	MATCH ROOF SYSTEM COLOR: MATCH WALL BELOW	INSTALL PER MFR RECOMMENDATIONS.	a se	S / 0 1 2 1 4
MISC.	M-3	EIFS CORNICE & BAND	DRYVIT OR APPROVED EQUAL	COLOR: #101 SUPER WHITE	INSTALL PER MFR RECOMMENDATIONS.	ARCH	ITECT DAN, 111 DAN, 111 d and sealed by Tammy Davis signature. Printed copies of
	M-4	PAINT FOR STEEL LINTELS & COLUMNS	BENJAMIN MOORE	COLOR: OC–129 ALABASTER WHITE SHEEN: LOW LUSTRE	FINISH PER MFR RECOMMENDATIONS. PRIMER: (1) COAT- BM SUPER SPEC HP ACRYLIC PRIMER #HP04 FINISH COAT: (2) COATS- BM SUPER SPEC HP D.T.M. ACRYLIC LOW LUSTRE #HP25	this document are not considered be verified on any electronic copi	signed and sealed and must es
	EP-1	ENVISOR PANEL RTU SCREEN	CITYSCAPES	COLOR: ALABASTER STYLE: VERTICAL 7.2 RIB METAL TRIM STYLE: BAND	INSTALL PER MFR RECOMMENDATIONS.		
	P-6	PAINTED SPLIT FACE BLOCK	BENJAMIN MOORE	COLOR: HC-164 PURITAN GRAY SHEEN: LOW LUSTRE	FINISH PER MFR RECOMMENDATIONS. PRIMER: (1) COAT-BM ULTRA SPEC MASONRY HI-BUILD BLOCK FILLER 571 FINISH COAT: (2) COATS- BM ULTRA SPEC ELASTOMERIC LOW		ERMIT SUBMISSION
NISHES	P-7	PAINTED SPLIT FACE BLOCK	BENJAMIN MOORE	COLOR: OC–129 ALABASTER WHITE SHEEN: LOW LUSTRE	FINISH PER MFR RECOMMENDATIONS. PRIMER: (1) COAT-BM ULTRA SPEC MASONRY HI-BUILD BLOCK FILLER 571 FINISH COAT: (2) COATS- BM ULTRA SPEC ELASTOMERIC LOW LUSTRE 360		ä
WALL FI	P-8	STONE VENEER	DUTCH QUALITY STONE	STYLE: WEATHER LEDGE COLOR: PRESTIGE	INSTALL PER MFR RECOMMENDATIONS.		2024
	SF-1	ALUMINUM STOREFRONT SYSTEM CENTER PLANE GLAZING	KAWNEER	COLOR: CLEAR ANODIZED ALUMINUM	INSTALL PER MFR RECOMMENDATIONS. INSTALL WITH 1" LOW-E INSULATED GLAZING. MAX U-FACTOR: U-0.28 MAX SHGC: 0.40		11/20/
	SF-2	ALUMINUM STOREFRONT SYSTEM CENTER PLANE GLAZING	KAWNEER	COLOR: CLEAR ANODIZED ALUMINUM GLAZING: SPANDREL GLASS	INSTALL PER MFR RECOMMENDATIONS.		MAVIS TIRES& BRAKES
C. M D. S 1 2 4 5 6 7	EXTE IGNAGE UNDER IGNAGE UNDER IGNAGE UNDER IGNAGE UNDER IGNAGE UNDER SKU # BA-PA OWNER AND A OWNER AND A OWNER AND A OWNER AND A OWNER AND A OF ISSUE INSUE	AT OF EXTERIOR LIGHT FIXTURE OF SEPARATE PERMIT/SUBMISSION E ATED ALUMINUM ACCESS DOOR BY L-16-16. FINAL COLOR SELECTION RCHITECT. RE: DETAIL 3/A-502 FA R IS FOR USE TO ACCESS OIL TANK 1 TANK INSTALLER) DROP SLOT IN GARAGE ENTRY DOO BE DIRECTED BY MAVIS. AIR INFLATOR- LOCATION TO BE Y SCHEDULE FOR ADDITIONAL INFO. E BOX WHERE REQUIRED BY JURISD FIRE DEPARTMENT.) MOUNT PER FIF ON WALL ADJACENT TO ENTRANC TION FOR KNOX BOX AND COORDIN JTHORITY. IT MATERIAL COLOR TO MATCH ADJACE PACK LIGHT. RE: ELECTRICAL DRAWING DREFRONT SYSTEM TO INCLUDE SPAND	A REAR AND SIDE ELEVA BY SIGN VENDOR. BEST ACCESS DOORS. TO BE APPROVED BY DR ADDITIONAL INFO. (S. COORDINATE FINAL DR. FINAL INSTALLATION SITE SPECIFIC. (RE: ) ICTION (PURCHASED RE DEPARTMENT E. CONTRACTOR TO NATE WITH LOCAL ENT FINISH COLOR. SS. REL GLAZING	IONS TO MATCH MOUNTING HEIGHT	OF LIGHT FIXTURES ON FRONT ELEVATION	VIS TIRES & BRAKES #2266 - SANFORD,NC 1605 BUFFALO LAKE ROAD SANFORD, NC 27332	EXTERIOR ELEVATIONS
						MA <sup>1</sup>	

![](_page_9_Picture_13.jpeg)

![](_page_10_Figure_0.jpeg)

		E>	KTERIOR N	ATERIALS SC	HEDULE	
	MARK	MATERIAL	MANUFACTURER	STYLE/COLOR	NOTES	
	D-2	ALUMINUM STOREFRONT DOOR & FRAME	KAWNEER	COLOR: CLEAR ANODIZED ALUMINUM	INSTALL PER MFR RECOMMENDATIONS.	
R FINISHES	D-3	PAINT FOR GALVANIZED HM DOOR & FRAME	BENJAMIN MOORE	COLOR: OC-129 ALABASTER WHITE SHEEN: SEMI-GLOSS	FINISH PER MFR RECOMMENDATIONS. PRIMER: (1) COAT- BM SUPER SPEC HP ACRYLIC PRIMER #HP04 FINISH COAT: (2) COATS- BM SUPER SPEC HP D.T.M. ACRYLIC SEMI-GLOSS #HP29	2000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16606
DOOF	D-4	ALUMINUM AND GLASS OH DOORS	RAYNOR GARAGE DOORS	RAYNOR AV200 COLOR: CLEAR SATIN ANODIZED ALUMINUM	INSTALL PER MFR RECOMMENDATIONS. RE: SPECS FOR ADDITIONAL INFO. *DOORS AT RACKING SHALL BE FIXED AND SECURE CONTACT DH PACE: ADAM POSLOSKY, ADAM.POSLOSKY@DHPACE.COM, 816-480-2361	(724) 591-8562 MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD
	F-1	VERTICAL METAL FASCIA	ATAS	MULTIPURPOSE PANELS- MPN SEMI STANDING SEAM 12" WIDE, 0.032" ALUMINUM COLOR: #19 TEAL	INSTALL PER MFR RECOMMENDATIONS.	MILLWOOD, NY 10546 (914) 984-2500
	F-2	ALUMINUM ACCENT STRIPE	ATAS	0.032" ALUMINUM COLOR: #26 BONE WHITE	INSTALL PER MFR RECOMMENDATIONS.	CLIENT CAROL NUTH CAROL NUTH CAROL NUTH CAROL
C. ITEMS	F-3	METAL ROOF COPING	ROOF MFR	MATCH ROOF SYSTEM COLOR: MATCH WALL BELOW	INSTALL PER MFR RECOMMENDATIONS.	SEAL 13698
MISC	M-3	EIFS CORNICE & BAND	DRYVIT OR APPROVED EQUAL	COLOR: #101 SUPER WHITE	INSTALL PER MFR RECOMMENDATIONS.	ARCHITECT ARCHITECT S ARCHITECT ARCHI
	M-4	PAINT FOR STEEL LINTELS & COLUMNS	BENJAMIN MOORE	COLOR: OC-129 ALABASTER WHITE SHEEN: LOW LUSTRE	FINISH PER MFR RECOMMENDATIONS. PRIMER: (1) COAT- BM SUPER SPEC HP ACRYLIC PRIMER #HP04 FINISH COAT: (2) COATS- BM SUPER SPEC HP D.T.M. ACRYLIC LOW LUSTRE #HP25	
	EP-1	ENVISOR PANEL RTU SCREEN	CITYSCAPES	COLOR: ALABASTER STYLE: VERTICAL 7.2 RIB METAL TRIM STYLE: BAND	INSTALL PER MFR RECOMMENDATIONS.	Z
	P-6	PAINTED SPLIT FACE BLOCK	BENJAMIN MOORE	COLOR: HC–164 PURITAN GRAY SHEEN: LOW LUSTRE	FINISH PER MFR RECOMMENDATIONS. PRIMER: (1) COAT-BM ULTRA SPEC MASONRY HI-BUILD BLOCK FILLER 571 FINISH COAT: (2) COATS- BM ULTRA SPEC ELASTOMERIC LOW LUSTRE 360	PERMIT SUBMISSI
INISHES	P-7	PAINTED SPLIT FACE BLOCK	BENJAMIN MOORE	COLOR: OC-129 ALABASTER WHITE SHEEN: LOW LUSTRE	FINISH PER MFR RECOMMENDATIONS. PRIMER: (1) COAT-BM ULTRA SPEC MASONRY HI-BUILD BLOCK FILLER 571 FINISH COAT: (2) COATS- BM ULTRA SPEC ELASTOMERIC LOW LUSTRE 360	
WALL F	P-8	STONE VENEER	DUTCH QUALITY STONE	STYLE: WEATHER LEDGE COLOR: PRESTIGE	INSTALL PER MFR RECOMMENDATIONS.	(2024 TF
	SF-1	ALUMINUM STOREFRONT SYSTEM CENTER PLANE GLAZING	KAWNEER	COLOR: CLEAR ANODIZED ALUMINUM	INSTALL PER MFR RECOMMENDATIONS. INSTALL WITH 1" LOW-E INSULATED GLAZING. MAX U-FACTOR: U-0.28 MAX SHGC: 0.40	MARK DA
	SF-2	ALUMINUM STOREFRONT SYSTEM CENTER PLANE GLAZING	KAWNEER	COLOR: CLEAR ANODIZED ALUMINUM GLAZING: SPANDREL GLASS	INSTALL PER MFR RECOMMENDATIONS.	MAVIS TIRES BRAKES
GI A. AL B. CE C. MC D. SI	L ENERAL NOTES LL FINISHES O ENTER WALL L DUNTING HEIGH GNAGE UNDER	L S: N MATERIAL SCHEDULE MAY NOT IGHTS OVER COLUMNS, DOORS & HT OF EXTERIOR LIGHT FIXTURE O SEPARATE PERMIT/SUBMISSION E	L BE USED WINDOWS, ETC., AS SHOW N REAR AND SIDE ELEVAT BY SIGN VENDOR.	I IN U.O.N. TIONS TO MATCH MOUNTING HEIGHT	OF LIGHT FIXTURES ON FRONT ELEVATION	At DISCOUNT PRICES
	EXTE	RIOR ELEVATION KE	YNOTES			0

SKU # BA-PAL-16-16. FINAL COLOR SELECTION TO BE APPROVED BY 1 OWNER AND ARCHITECT. RE: DETAIL 3/A-502 FOR ADDITIONAL INFO. (ACCESS DOOR IS FOR USE TO ACCESS OIL TANKS. COORDINATE FINAL

- LOCATION WITH TANK INSTALLER)
- 2 PROVIDE KEY DROP SLOT IN GARAGE ENTRY DOOR. FINAL INSTALLATION LOCATION TO BE DIRECTED BY MAVIS. 3 FREESTANDING AIR INFLATOR- LOCATION TO BE SITE SPECIFIC. (RE: RESPONSIBILITY SCHEDULE FOR ADDITIONAL INFO.)
- PROVIDE KNOX BOX WHERE REQUIRED BY JURISDICTION (PURCHASED FROM LOCAL FIRE DEPARTMENT.) MOUNT PER FIRE DEPARTMENT REQUIREMENTS ON WALL ADJACENT TO ENTRANCE. CONTRACTOR TO MAKE APPLICATION FOR KNOX BOX AND COORDINATE WITH LOCAL
- APPROVING AUTHORITY. [5] EXPANSION JOINT MATERIAL COLOR TO MATCH ADJACENT FINISH COLOR.
- 6 EXTERIOR WALL PACK LIGHT. RE: ELECTRICAL DRAWINGS.

7 PORTION OF STOREFRONT SYSTEM TO INCLUDE SPANDREL GLAZING

PRICES **SANFORD,** - SANFORD, **ELEVATIONS** k BRAKES #2266 -D LAKE ROAD SANFC EXTERIOR **∞** O TIRES BUFFAL MAVIS<sup>-</sup> Project No.: 11432-187 Sheet No.:

![](_page_10_Picture_17.jpeg)

![](_page_11_Figure_0.jpeg)

![](_page_11_Picture_2.jpeg)

Larson Architectural Group 3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562

MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 (914) 984-2500

![](_page_11_Picture_5.jpeg)

![](_page_11_Picture_6.jpeg)

![](_page_11_Picture_7.jpeg)

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003 OFX

$\Sigma$	MASONRY WALLS
7	GWB WALLS
	DOOR NO., SEE A-700
_	WALL TYPE, SEE A-700
	FIRE EXTINGUISHER

TYP	. FIXTURE / ACCESSORY SCH	HEDULE	(			
NO.	ACCESSORY/SIZE	MANUF./MODEL #/FINISH	-			
AC-1	SURFACE MTD VERTICAL LIQUID SOAP DISPENSER	GOJO / ADX–12 DISPENSER / BLACK				
AC-2	SURFACE MTD. TWIN TOILET TISSUE DISPENSER	SOLARIS LOCOR / D67023 / BLACK				
AC-3	24" STAINLESS STEEL GRAB BAR	ASI/3700 - 24"				
AC-4	36" STAINLESS STEEL GRAB BAR	ASI/3700 – 36"		C		
AC-5	42" STAINLESS STEEL GRAB BAR	ASI/3700- 42"		Z		
AC-6	CHANNEL FRAME MIRROR - 18"W x 36"H	ASI/0620		R		
AC-7	HEAVY DUTY CLOTHES HOOK	ASI/8425		С Ц		
AC-8	SURFACE MOUNTED HAND DRYER - EXCEL DRYER W/ ADA RECESSED CABINET	EXCEL / XL-BW WITH ADA COMPLIANT RECESSED CABINET KIT (NAT'L ACT. VENDOR)		SAN		
AC-9	SURFACE MOUNTED HAND DRYER - EXCEL DRYER W/	EXCEL / XL-BW (NAT'L ACT. VENDOR)		і 1		
AC-10	18" STAINLESS STEEL VERTICAL GRAB BAR	ASI/3700-18"		266		
AC-11	BABY CHANGING STATION – KOALA KARE	KB-200-01 GREY		, # 0		
AC-12	FLOOR MOUNTED DOME DOOR STOP	ROCKWOOD / 52HU26 / 440.26D / SATIN CHROME		Ц С		
NOTES:	ASI-AMERICAN SPECIALTIES INC.	1		2 A k		
<u>G</u> EN	ERAL NOTES:			S BF		
A. PRO	VIDE BLOCKING FOR GRAB BARS AS REQUIRED TO RESIST	250 LB. FORCE IN ANY DIRECTION. (TYP.)		с С		
B. PROVIDE PVC PIPE AND SHUT-OFF VALVE ENCLOSURES, FOR ALL EXPOSED PIPING/VALVES W/ TRUEBRO LAV GUARD2 #103 E-Z.						
C. ALL BATHROOM ACCESSORIES TO BE STAINLESS STEEL WITH SATIN FINISH.						
D. PROVIDE PAINTED WOOD SPACER BEHIND MIRRORS AND OTHER ACCESSORIES ABOVE SHEET VINYL PROTECTION TO FILL GAP BETWEEN MIRROR FRAME AND GWB. COLOR TO MATCH WALL.						
E. PROVIDE LAVATORY PIPE/VALVE AND TRAP INSULATION PER ADA.						
F. ADA	COMPLIANT DOOR AND HARDWARE PER DOOR SCHEDULE	ON SHEET A-700				
G. ADA BETV	COMPLIANT TACTILE SIGN CONSISTING OF PICTOGRAM, RC NEEN 48"& 60" AFF. RE: G—100.	DOM NAME AND BRAILLE. MOUNT				
H. ADA BETV	. COMPLIANT TACTILE SIGN CONSISTING OF UNISEX PICTOG NEEN 48" & 60" AFF. RE: G-100.	RAM, ROOM NAME, AND BRAILLE. MOUNT				

. REFER TO SHEET A-700 FOR WALL TYPES.

J. REFER TO SHEET P-001 FOR PLUMBING FIXTURE SCHEDULE.

K. WALL OR PORTION OF WALL TO RECEIVE MRGWB ON INTERIOR RESTROOM SIDE ONLY.

L. REFERENCE G-100 FOR 2009 ANSI MOUNTING HEIGHTS AND CLEARANCES.

Project No.: 11432-187 Sheet No.: A-300

![](_page_12_Figure_0.jpeg)

![](_page_12_Figure_3.jpeg)

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![](_page_13_Figure_0.jpeg)

![](_page_13_Figure_2.jpeg)

LEGEND			
A	2x4 LED LAY-IN TROFFER	SLA SLA	EXTERIOR WALL PACK LIGHT
A2	2x4 LED LAY—IN TROFFER WITH DRYWALL FRAME KIT	4 EB	SELF CONTAINED EMERGENCY LIGH UNIT WITH DUAL LED LIGHTING HE
AE	2x4 LED LAY-IN TROFFER WITH EMERGENCY BATTERY PACK	4 EL	REMOTE EMERGENCY LIGHTING UNI <sup>-</sup> WITH DUAL LED LIGHTING HEADS
В	3"x24" LED LENSED STRIP LIGHT WITH EMERGENCY BATTERY PACK	X	COMBINATION EXIT SIGN EMERGENO UNIT WITH DUAL LED LIGHTING HE
B1	3"x24" LED LENSED STRIP LIGHT	Юн	PENDANT LIGHTING FIXTURE, 7'—0" AFF TO BOTTOM OF SHADE
C	3"x48" LED LENSED STRIP LIGHT WITH EMERGENCY BATTERY PACK SUSPEND AT 9'-0" AFF TO TOP, UON	x-x N	CEILING HEIGHT
	3"x48" LED LENSED STRIP LIGHT SUSPEND AT 9'-0" AFF TO TOP, UON		SUPPLY AIR GRILLE RETURN AIR GRILLE
D	1×4 LED BACK LIT FLAT PANEL LIGHT FLUSH MOUNTED IN GWB CEILING		EXHAUST FAN
E	LED HIGHBAY LIGHT WITH EMERGENCY BATTERY PACK STEM MOUNT AT 14'—O" AFF, UON	<b>B</b>	OSCILLATING FAN
×E1	LED HIGHBAY LIGHT STEM MOUNT AT 14'-0" AFF, UON		

![](_page_14_Figure_1.jpeg)

![](_page_14_Figure_2.jpeg)

![](_page_14_Figure_11.jpeg)

![](_page_14_Figure_12.jpeg)

![](_page_15_Figure_0.jpeg)

![](_page_15_Figure_1.jpeg)

(2)

(3)

![](_page_15_Figure_2.jpeg)

Image: SLA       EXTERIOR WALL PACK LIGHT       REFLECTED GENERAL CEILING NOTES: (RE: ELEC SHEETS FOR ADDITIONAL INFO)         Image: BB       SELF CONTAINED EMERGENCY LIGHTING BATTERY UNIT WITH DUAL LED LIGHTING HEADS       A. RE: SHEET E-001 FOR LIGHTING FIXTURE SCHEDULE         Image: BL       REMOTE EMERGENCY LIGHTING UNIT WITH DUAL LED LIGHTING HEADS       A. RE: SHEET E-001 FOR LIGHTING FIXTURE SCHEDULE         Image: BL       REMOTE EMERGENCY LIGHTING UNIT WITH DUAL LED LIGHTING HEADS       A. RE: SHEET E-001 FOR LIGHTING NOTES.)         Image: BL       REMOTE EMERGENCY LIGHTING UNIT WITH DUAL LED LIGHTING HEADS       D. G.C TO PROVIDE UNI-STRUT FASTENED TO TIGHT TO UNDERSIDE OF JOISTS, U.O.N.         Image: BL       PENDANT LIGHTING FIXTURE, 7'-0" AFF TO BOTTOM OF SHADE       D. G.C TO PROVIDE UNI-STRUT FASTENED TO TIRE RACK STRUCTURAL SYSTEM SUPPORTING CATWALK ABOVE TO MOUNT LOWER LEVEL 'B' AND 'B' LIGHT FIXTURES. OCCUPANCY SENSORS TO BE MOUNTED TO THE UNDERSIDE OF THE FACKING SYSTEM.         Image: BL       SUPPLY AIR GRILLE       E. BOTTOM GWB SOFIT AT SHOW ROOM AND WAITING AREA SHALL BE @ 7'-6" AFF. FRAME FROM STEEL LINTEL ABOVE. RE: 2/A-400         Image: BL       SUPPLY AIR GRILLE       G. DO NOT SUSPEND ANY LIGHTS FROM OH DOOR TRACKS.         Image: BL       RETURN AIR GRILLE       G. DO NOT SUSPEND ANY LIGHTS FROM OH DOOR TRACKS.         Image: BL       SUSPENSION SYSTEM MOLDING       STATE CELLING LEMENTS: SUSPENSION SYSTEM MOLDING         Image: BL       SCLLLATING FAN       ALL A.C.T CERLING ELEMENTS: SUSPENSION
<ul> <li>SELF CONTAINED EMERGENCY LIGHTING BATTERY UNIT WITH DUAL LED LIGHTING HEADS</li> <li>A. RE: SHEET E -001 FOR LIGHTING FIXTURE SCHEDULE</li> <li>B. EXTERIOR FIXTURES TO BE CENTERED ON COLUMNS, PIERS AND OVER DOOR @ LOCATIONS INDICATED ON ELEVATIONS.</li> <li>C. UPPER LEVEL 'B' AND 'B1' FIXTURES TO BE MOUNTED TIGHT TO UNDERSIDE OF JOISTS, U.O.N.</li> <li>C. UPPER LEVEL 'B' AND 'B1' FIXTURES TO BE MOUNTED TIGHT TO UNDERSIDE OF JOISTS, U.O.N.</li> <li>D. G.C TO PROVIDE UNI-STRUT FASTENED TO TIRE RACK STRUCTURAL SYSTEM SUPPORTING CATWALK ABOVE TO MOUNT LOWER LEVEL 'B' AND 'B1' LIGHT FIXTURES. COUPANCY SENSORS TO BE MOUNTED TO THE UNDERSIDE OF THE RACKING SYSTEM.</li> <li>CEILING HEIGHT</li> <li>E. BOTTOM OF SHADE</li> <li>CEILING HEIGHT</li> <li>SUPPLY AIR GRILLE</li> <li>G. EXHAUST FAN</li> <li>COSCILLATING FAN</li> <li>OSCILLATING FAN</li> <li>A. RE: SHEET E -001 FOR LIGHTING FIXTURE, MULTING FAN</li> <li>A. RE: SHEET E -001 FOR LIGHTING FIXTURES TO BE MOUNTED TO THE UNDERSIDE OF THE RACKING SYSTEM.</li> <li>C. UPPER LEVEL 'B' AND 'B1' LIGHT FIXTURES. COLUMANCY SENSORS TO BE MOUNTED TO THE UNDERSIDE OF THE RACKING SYSTEM.</li> <li>C. CEILING HEIGHT</li> <li>E. BOTTOM GWB SOFFIT AT SHOW ROOM AND WAITING AREA SHALL BE @ 7'-6" AFF. FRAME FROM STEEL LINTEL ABOVE. RE: 2/A-400</li> <li>C. DO NOT SUSPEND ANY LIGHTS FROM OH DOOR TRACKS.</li> <li>H. PROVIDE MIN. 6" THICK SOUND ATTENUATION BATTS AT CELLINGS. IN ROOMS 105 106 MIN. 6" THICK SOUND ATTENUATION BATTS AT CELLINGS. IN ROOMS 105 106 MIN. 6" THICK SOUND ATTENUATION BATTS AT CELLINGS. IN ROOMS 105 106 MIN. 7/N SYSTEM MOUSTIN DE ENTALLED PER SEISMIC CATEGORY "C" ATT ESSO REQUIREMENTS: MINIMUM 3/8" CLEARANCE ON ALL SIDES</li> <li>MINIMUM 3/8" CLEARANCE ON ALL SIDES</li> <li>MINIMUM 3/8" OVERLAP OF THE SUSPENSION SYSTEM ON THE WALL MOLDING MULDING</li> </ul>
<ul> <li>REMOTE EMERGENCY LIGHTING UNIT WITH DUAL LED LIGHTING HEADS</li> <li>COMBINATION EXIT SIGN EMERGENCY LIGHTING UNIT WITH DUAL LED LIGHTING HEADS</li> <li>COMBINATION EXIT SIGN EMERGENCY LIGHTING UNIT WITH DUAL LED LIGHTING HEADS</li> <li>COMBINATION EXIT SIGN EMERGENCY LIGHTING UNIT WITH DUAL LED LIGHTING HEADS</li> <li>C. UPPER LEVEL 'B' AND 'B1' FIXTURES TO BE MOUNTED TIGHT TO UNDERSIDE OF JOISTS, U.O.N.</li> <li>C. C. C TO PROVIDE UNI-STRUT FASTENED TO TIRE RACK STRUCTURAL SYSTEM SUPPORTING CATMALK ABOVE TO MOUNT LOWER LEVEL 'B' AND 'B1' LIGHT FIXTURES. OCCUPANCY SENSORS TO BE MOUNTED TO THE UNDERSIDE OF THE RACKING SYSTEM.</li> <li>CEILING HEIGHT</li> <li>SUPPLY AIR GRILLE</li> <li>RETURN AIR GRILLE</li> <li>RETURN AIR GRILLE</li> <li>CALT TO BE CENTERED ON ROOMS, U.O.N.</li> <li>D. ON TO SUSPEND ANY LIGHTS FROM OH DOOR TRACKS.</li> <li>PROVIDE MIN. 6" THICK SOUND ATTENUATION BATTS AT CEILINGS. IN ROOMS 105 105 &amp; 407, SOUND ATTENUATION BATTS AT CEILINGS. IN ROOMS 105 105 &amp; 407, SOUND ATTENUATION BATT. TO COVER LIGHT FIXTURES.</li> <li>MINIMUM 7/8" WALL MOLDING SUSPENSION SYSTEM MUST NOT BE ATTACHED TO THE WALL MOLDING SUSPENSION SYSTEM MUST NOT BE ATTACHED TO THE WALL MOLDING MINIMUM 3/8" CLEARANCE ON ALL SIDES MINIMUM 3/8" OVERLAP OF THE SUSPENSION SYSTEM ON THE WALL MOLDING</li> </ul>
<ul> <li>COMBINATION EXIT SIGN EMERGENCY LIGHTING UNIT WITH DUAL LED LIGHTING HEADS</li> <li>H PENDANT LIGHTING FIXTURE, 7'-0" AFF TO BOTTOM OF SHADE</li> <li>CEILING HEIGHT</li> <li>CEILING HEIGHT</li> <li>SUPPLY AIR GRILLE</li> <li>RETURN AIR GRILLE</li> <li>RETURN AIR GRILLE</li> <li>OSCILLATING FAN</li> <li>OSCILLATING FAN</li> <li>CILLATING FAN</li> <li>CILLAT</li></ul>
<ul> <li>UNIT WITH DUAL LED LIGHTING HEADS</li> <li>D. G.C TO PROVIDE UNI-STRUT FASTENED TO TIRE RACK STRUCTURAL SYSTEM SUPPORTING CATWALK ABOVE TO MOUNT LOWER LEVEL 'B' AND 'BI' LIGHT FIXTURES. OCCUPANCY SENSORS TO BE MOUNTED TO THE UNDERSIDE OF THE RACKING SYSTEM.</li> <li>CEILING HEIGHT</li> <li>CEILING HEIGHT</li> <li>SUPPLY AIR GRILLE</li> <li>RETURN AIR GRILLE</li> <li>RETURN AIR GRILLE</li> <li>OSCILLATING FAN</li> <li>OSCILLATING FAN</li> <li>D. G.C TO PROVIDE UNI-STRUT FASTENED TO TIRE RACK STRUCTURAL SYSTEM SUPPORTING CATWALK ABOVE TO MOUNT LOWER LEVEL 'B' AND 'BI' LIGHT FIXTURES. OCCUPANCY SENSORS TO BE MOUNTED TO THE UNDERSIDE OF THE RACKING SYSTEM.</li> <li>E. BOTTOM GWB SOFFIT AT SHOW ROOM AND WAITING AREA SHALL BE @ 7'-6" AFF. FRAME FROM STEEL LINTEL ABOVE. RE: 2/A-400</li> <li>F. A.C.T TO BE CENTERED ON ROOMS, U.O.N.</li> <li>G. DO NOT SUSPEND ANY LIGHTS FROM OH DOOR TRACKS.</li> <li>H. PROVIDE MIN. 6" THICK SOUND ATTENUATION BATTS AT CEILINGS. IN ROOMS 105 106 &amp; 107, SOUND ATTENUATION BATTS AT CEILINGS. IN ROOMS 105 106 &amp; 107, SOUND ATTENUATION BATT. TO COVER LIGHT FIXTURES.</li> <li>I. ALL A.C.T. CEILING ELEMENTS TO BE INSTALLED PER SEISMIC CATEGORY "C" ASTM ES80 REQUIREMENTS: <ul> <li>MINIMUM 7/8" VALL MOLDING</li> <li>SUSPENSION SYSTEM MUST NOT BE ATTACHED TO THE WALL MOLDING</li> <li>MINIMUM 3/8" OVERLAP OF THE SUSPENSION SYSTEM ON THE WALL MOLDING</li> </ul> </li> </ul>
CEILING HEIGHT       E. BOTTOM OF SHADE         CEILING HEIGHT       E. BOTTOM GWB SOFFIT AT SHOW ROOM AND WAITING AREA SHALL BE @ 7'-6" AFF. FRAME FROM STEEL LINTEL ABOVE. RE: 2/A-400         SUPPLY AIR GRILLE       F. A.C.T TO BE CENTERED ON ROOMS, U.O.N.         RETURN AIR GRILLE       F. A.C.T TO BE CENTERED ON ROOMS, U.O.N.         EXHAUST FAN       G. DO NOT SUSPEND ANY LIGHTS FROM OH DOOR TRACKS.         H. PROVIDE MIN. 6" THICK SOUND ATTENUATION BATTS AT CEILINGS. IN ROOMS 105 106 & 107, SOUND ATTENUATION BATT. TO COVER LIGHT FIXTURES.         OSCILLATING FAN       I. ALL A.C.T. CEILING ELEMENTS TO BE INSTALLED PER SEISMIC CATEGORY "C" ASTM E580 REQUIREMENTS: - MINIMUM 7/8" WALL MOLDING - SUSPENSION SYSTEM MUST NOT BE ATTACHED TO THE WALL MOLDING - MINIMUM 3/8" CLEARANCE ON ALL SIDES - MINIMUM 3/8" OVERLAP OF THE SUSPENSION SYSTEM ON THE WALL MOLDING
SUPPLY AIR GRILLE       F. A.C.T TO BE CENTERED ON ROOMS, U.O.N.         RETURN AIR GRILLE       G. DO NOT SUSPEND ANY LIGHTS FROM OH DOOR TRACKS.         RETURN AIR GRILLE       H. PROVIDE MIN. 6" THICK SOUND ATTENUATION BATTS AT CEILINGS. IN ROOMS 105 106 & 107, SOUND ATTENUATION BATT. TO COVER LIGHT FIXTURES.         Image: Supply and the supply of the supply on the wall molding.         Image: Supply and the supply of th
RETURN AIR GRILLE       G. DO NOT SUSPEND ANY LIGHTS FROM OH DOOR TRACKS.         EXHAUST FAN       H. PROVIDE MIN. 6" THICK SOUND ATTENUATION BATTS AT CEILINGS. IN ROOMS 105 106 & 107, SOUND ATTENUATION BATT. TO COVER LIGHT FIXTURES.         OSCILLATING FAN       I. ALL A.C.T. CEILING ELEMENTS TO BE INSTALLED PER SEISMIC CATEGORY "C" ASTM E580 REQUIREMENTS:         MINIMUM 7/8" WALL MOLDING       SUSPENSION SYSTEM MUST NOT BE ATTACHED TO THE WALL MOLDING         MINIMUM 3/8" OVERLAP OF THE SUSPENSION SYSTEM ON THE WALL MOLDING
<ul> <li>EXHAUST FAN</li> <li>B. EXHAUST FAN</li> <li>B. OSCILLATING FAN</li> <li>B. OSCILLATING FAN</li> <li>B. ALL A.C.T. CEILING ELEMENTS TO BE INSTALLED PER SEISMIC CATEGORY "C" ASTM E580 REQUIREMENTS:</li> <li>MINIMUM 7/8" WALL MOLDING</li> <li>SUSPENSION SYSTEM MUST NOT BE ATTACHED TO THE WALL MOLDING</li> <li>MINIMUM 3/8" OVERLAP OF THE SUSPENSION SYSTEM ON THE WALL MOLDING</li> </ul>
OSCILLATING FAN OSCILLATING FAN OSCILLATING FAN OSCILLATING FAN OSCILLATING FAN OSCILLATING FAN OSCILLATING FAN I. ALL A.C.T. CEILING ELEMENTS TO BE INSTALLED PER SEISMIC CATEGORY "C" ASTM E580 REQUIREMENTS: OMINIMUM 7/8" WALL MOLDING SUSPENSION SYSTEM MUST NOT BE ATTACHED TO THE WALL MOLDING MINIMUM 3/8" OVERLAP OF THE SUSPENSION SYSTEM ON THE WALL MOLDING
<ul> <li>ENDS OF MAIN BEAMS AND CROSS TEES MUST BE TIED TOGETHER TO PREVENT THEIR SPREADING</li> <li>SAFETY WIRES REQUIRED ON LIGHT FIXTURES.</li> </ul>

![](_page_16_Figure_0.jpeg)

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![](_page_17_Figure_0.jpeg)

![](_page_17_Picture_1.jpeg)

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					At D				
		MAVIS LIKES & BKAKES #2200 - SANFORD,NC		1605 BUFFALO LAKE ROAD SANFORD, NC 27332			WALL SECTIONS		
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.023	) La	arso	Ch l	Des	J	n G	rou	p 2	0

![](_page_18_Figure_0.jpeg)

![](_page_19_Figure_0.jpeg)

8	STONE VENEER
A-503	SCALE: 3"=1'-0"

![](_page_20_Picture_0.jpeg)

![](_page_20_Picture_1.jpeg)

![](_page_20_Picture_5.jpeg)

![](_page_20_Figure_6.jpeg)

![](_page_20_Figure_7.jpeg)

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COMMENTS
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MARK
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![](_page_21_Figure_0.jpeg)

# 9 1/2" **∎**\_0\_0 $\rightarrow$

![](_page_21_Picture_3.jpeg)

![](_page_21_Figure_4.jpeg)

# MILLWORK NOTES:

- 1. USE 3/4" M.D.F. FOR ALL SERVICE COUNTER BOARDS, EXCEPT FOR MISCELLANEOUS BLOCKING, NAILERS, ETC. AS REQUIRED FOR ASSEMBLY.
- 2. FINISH ALL EXPOSED SURFACES WITH HIGH PRESSURE PLASTIC LAMINATE IN COLORS SPECIFIED BELOW.
- 3. ALL CONNECTORS, FASTENERS, SCREWS AND NAILS SHALL BE CONCEALED.
- 4. PROVIDE GROMMETS FOR ELECTRICAL AND DATA CABLING AS REQUIRED.
- 5. FINISH SHALL BE AS PROVIDED BY OTHERS
- 6. COMPUTER TECH CENTER TABLE BASE AND ACCESSORIES BY: KDM RETAIL SOLUTIONS, 10450 N. MEDALLION DR., CINCINNATI, OH 45241, PHONE: 855-232-7799. FASTEN TABLE TO CONCRETE FLOOR AS DIRECTED BY MANUFACTURER ONCE TABLE IS ADJUSTED TO LEVEL. PROVIDE A MINIMUM OF (6) ATTACHMENT POINTS.
- 7. STOOLS BY: PETERSEN FURNITURE INTERNATIONAL, INC. MODEL: R452 "MESHED BACK BOLT-DOWN BAR STOOL", 30" SEAT HEIGHT W/ FOOTREST UPHOLSTERED SEAT – SPREADING – WHISPER (WHI–2154 "PEWTER") \*REFER TO INSTRUCTIONS BY PETERSEN FURNITURE INTERNATIONAL, INC. FOR ADDITIONAL INFO.
- 8. DELIVERY TRUCKS WILL HAVE LIFT GATES. CONTRACTOR RESPONSIBLE FOR PROVIDING A PALLET JACK OR OTHER MEANS OF MOVING DELIVERED ITEMS. RE: RESPONSIBILITY SCHEDULE ON SHEET CS-100.

# NOTE:

SERVICE COUNTER & COMPUTER TECH CENTER FOR REFERENCE ONLY. SUPPLIED BY MAVIS DISCOUNT TIRE AND ASSEMBLED AND INSTALLED BY CONTRACTOR

NO. ITEM	BY OTHERS	BY CONTRACT	OR COMMENTS
Image: Synthetic oil bar	PROVIDE		
Image: Control of the second secon	PROVIDE		CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD PLACE PER PLAN
3     WHEEL BALANCER: COATS 1400-2D DIRECT DRIVE WHEEL BALANCER	PROVIDE		CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN.
Image: A station	PROVIDE		CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN.
5 WORK BENCH; JACK STANDS & AIR CAN (CHEETAH) LOCATED UNDER WORKBENCH	PROVIDE		
6 WHEEL ALIGNMENT COMPUTER AND ALIGNMENT CAMERA	PROVIDE		CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN.
7     DIAPHRAGM PUMP	PROVIDE		CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN.
FIXED STEEL RACKING MOUNTED LADDER FOR ROOF HATCH ACCESS (LADDER BEGINS AT UPPER RACKING LEVEL PER DE PROVIDE POST EXTENSION THRU BOLT TOP OF LADDER TO STEEL FRAME, BOTTOM OF LADDER AND INTERMEDIATE CONN RACKING. LADDER RATED FOR 1,500 LBS AND TREADS FOR 3,000 LBS. RE: SHEET A-101 FOR ROOF ACCESS HATCH IN	TAILS 3&4/A-503.) ECTIONS TO STEEL FO.	PROVIDE	LOCATED ON UPPER LEVEL.
Image: SYNTHETIC OIL TANKS	PROVIDE		
10 AIR COMPRESSOR: GARDNER DENVER AIR COMPRESSOR W/ DUAL QUINCY QT-7.5 MOTORS	PROVIDE		CONTRACTOR TO PROVIDE COMP, AIR DRIP, TENANT VENDOR TO CONNECT
11 USED OIL	PROVIDE		CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN.
NEW OIL	PROVIDE		CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN.
III   CAR LIFT: VSG SP0A10-SPEC 0065 CAR LIFT	PROVIDE		CONTRACTOR TO CONNECT ELECTRIC & COMPRESSED AIR & WIRE AUTO SHUT-OFF SENS
CAR LIFT: VSG SP010-SPEC 0198 CAR LIFT	PROVIDE		CONTRACTOR TO CONNECT ELECTRIC & COMPRESSED AIR & WIRE AUTO SHUT-OFF SENS
Image: Im	PROVIDE		CONTRACTOR TO CONNECT ELECTRIC & COMPRESSED AIR & WIRE AUTO SHUT-OFF SEN
16 CAR LIFT: ARO14	PROVIDE		CONTRACTOR TO CONNECT ELECTRIC & COMPRESSED AIR & WIRE AUTO SHUT-OFF SEN
17 CHAMPION AIR DRYER TO BE PLACED ABOVE COMPRESSORS	FURNISH	INSTALL	
18 TIRE DROP	PROVIDE		
19 TIRE CONVEYOR	PROVIDE		
20 SERVICE MANAGER'S DESK. FIRST AID KIT LOCATED HERE.	FURNISH	INSTALL	PHONE/DATA WIRING BY TENANT, ELECT WIRING BY CONTRACTOR, RE: ELECT SHEETS
21 EMPLOYEE LOCKERS	PROVIDE		
ZZ BOLT-DOWN BAR STOOLS AND COMPUTER TECH CENTER COUNTER	FURNISH	INSTALL	
	FURNISH	INSTALL	
		INSTALL	CONTRACTOR TO PROVIDE CONC. PAD AND BOLT TO PAD. PROVIDE ELECT. CONNECTION
20 THE DISPLAT	PROVIDE		
	PROVIDE		
IT CABINET (ABOVE, SHOWN DASHED)			
[3] HAMPER			
32 WATER COOLER			
INDUSTRIAL OSCILLATING FAN MODEL NO. H-1457 30" BY ULINE. FAN TO BE MOUNTED 9'-0" A.F.F. ON WALL OR RACKING SYSTEM.         MOUNT HARDWARE AS NEEDED.	PROVIDE	PROVIDE	
TA     ROLL AROUND OIL CAN	PROVIDE		
35 TRASH CAN	PROVIDE		
56    FIRE EXTINGUISHERS, DRY CHEMICAL, MONOAMMONIUM PHOSPHATE, 10LB, 4A: 60B: C UL RATING		PROVIDE	MFR: KIDDIE, MODEL: PRO10MPO
Image: State of the state o	PROVIDE		
3   STRUT COMPRESSOR	PROVIDE		
39 AIR GUN BACK AND TRUCK AIR GUN HOLDER	PROVIDE		

![](_page_22_Figure_1.jpeg)

![](_page_22_Figure_2.jpeg)

UIPMENT & RACKING GENERAL NOTES
REFER TO RESPONSIBILITY SCHEDULE ON SHEET CS-100 FOR ADDITIONAL INFORMATION. ROUGHING AND FINAL HOOK-UP (PER ELECTRICAL PLANS) BY CONTRACTOR.
CONTRACTOR TO ELIMINATE CRACKING AND CONTROL JOINTS NEAR LIFT INSTALLATION LOCATIONS. RE: S-101 FOR ADDITIONAL INFORMATION. CONTROL JOINT LOCATIONS AND DEPTHS TO BE IN ACCORDANCE WITH STRUCTURAL DRAWINGS. LIFT MFR WILL NOT INSTALL EQUIPMENT ON CRACKED/JOINED CONCRETE.
FINAL LOCATION OF ALL EQUIPMENT TO BE VERIFIED BY MAVIS TIRE AT TIME OF INSTALLATION. ALL EQUIPMENT TO ABIDE BY ANY AND ALL ADA CLEARANCES / REQUIREMENTS.
CONTRACTOR SHALL ENSURE THAT NO CONDUITS OR PIPING IS RUN ALONG THE REAR WALL ADJACENT TO THE TIRE RACKING SYSTEM. ALTERNATIVELY, CONDUITS AND PIPING CAN RUN IN THE CORNERS AND AT THE AISLE WAYS.
ALL CAR LIFTS TO BE CENTERED IN BAY UNLESS OTHERWISE NOTED/DIMENSIONED.

![](_page_22_Picture_4.jpeg)

3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562

MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 (914) 984-2500

CLIENT

![](_page_22_Figure_8.jpeg)

INO. ITEM	BY OTHERS   E	BY CONTRACTO	DR COMMENTS
T SYNTHETIC OIL BAR	PROVIDE		
2 RIM CLAMP: COATS [70X-3 RIM CLAMP TIRE CHANGER] or [RC-45 RIM CLAMP TIRE CHANGER]	PROVIDE		CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN.
3 WHEEL BALANCER: COATS 1400–2D DIRECT DRIVE WHEEL BALANCER	PROVIDE		CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN.
4 FLAT REPAIR STATION	PROVIDE		CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN.
5 WORK BENCH; JACK STANDS & AIR CAN (CHEETAH) LOCATED UNDER WORKBENCH	PROVIDE		
6 WHEEL ALIGNMENT COMPUTER AND ALIGNMENT CAMERA	PROVIDE		CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN.
DIAPHRAGM PUMP	PROVIDE		CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN.
FIXED STEEL RACKING MOUNTED LADDER FOR ROOF HATCH ACCESS (LADDER BEGINS AT UPPER RACKING LEVEL PER DETAILS 3&4/A-503.)         PROVIDE POST EXTENSION THRU BOLT TOP OF LADDER TO STEEL FRAME, BOTTOM OF LADDER AND INTERMEDIATE CONNECTIONS TO STEEL         RACKING. LADDER RATED FOR 1,500 LBS AND TREADS FOR 3,000 LBS. RE: SHEET A-101 FOR ROOF ACCESS HATCH INFO.		PROVIDE	LOCATED ON UPPER LEVEL.
Image: SYNTHETIC OIL TANKS	PROVIDE		
10 AIR COMPRESSOR: GARDNER DENVER AIR COMPRESSOR W/ DUAL QUINCY QT-7.5 MOTORS	PROVIDE		CONTRACTOR TO PROVIDE COMP, AIR DRIP, TENANT VENDOR TO CONNECT
II     USED OIL	PROVIDE		CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN.
12     NEW OIL	PROVIDE		CONTRACTOR TO ACCEPT DELIVERY AND UNLOAD. PLACE PER PLAN.
13   CAR LIFT: VSG SPOA10-SPEC 0065 CAR LIFT	PROVIDE		CONTRACTOR TO CONNECT ELECTRIC & COMPRESSED AIR & WIRE AUTO SHUT-OFF SENS
Image: Carl Lift: VSG SP010-SPEC 0198 Carl Lift	PROVIDE		CONTRACTOR TO CONNECT ELECTRIC & COMPRESSED AIR & WIRE AUTO SHUT-OFF SENS
III   CAR LIFT: VSG SP012-0072 SERIES CAR LIFT	PROVIDE		CONTRACTOR TO CONNECT ELECTRIC & COMPRESSED AIR & WIRE AUTO SHUT-OFF SENS
16   CAR LIFT: AR014	PROVIDE		CONTRACTOR TO CONNECT ELECTRIC & COMPRESSED AIR & WIRE AUTO SHUT-OFF SENS
Image: Total Champion air dryer to be placed above compressors	FURNISH	INSTALL	
	PROVIDE		
	PROVIDE		
20 SERVICE MANAGER'S DESK. FIRST AID KIT LOCATED HERE.	FURNISH	INSTALL	PHONE/DATA WIRING BY TENANT, ELECT WIRING BY CONTRACTOR, RE: ELECT SHEETS
21 EMPLOYEE LOCKERS	PROVIDE		
22 BOLT-DOWN BAR STOOLS AND COMPUTER TECH CENTER COUNTER	FURNISH	INSTALL	
23 SALES COUNTER	FURNISH	INSTALL	
24 OVERFLOW ROOF DRAIN	PROVIDE		
25 FREE STANDING AIR INFLATOR	FURNISH	INSTALL	CONTRACTOR TO PROVIDE CONC. PAD AND BOLT TO PAD. PROVIDE ELECT. CONNECTION
26 TIRE DISPLAY			
Z FRONT ROW FALL PROTECTION NETTING FOR RACKING ABOVE			
ES FRIDGE/MICROWAVE			
DU IT CABINET (ABOVE, SHOWN DASHED)			
INDUSTRIAL OSCILLATING FAN MODEL NO. H-1457 30" BY ULINE. FAN TO BE MOUNTED 9'-0" A.F.F. ON WALL OR RACKING SYSTEM. PROVIDE         INDUSTRIAL OSCILLATING FAN MODEL NO. H-1457 30" BY ULINE. FAN TO BE MOUNTED 9'-0" A.F.F. ON WALL OR RACKING SYSTEM. PROVIDE         INDUSTRIAL OSCILLATING FAN MODEL NO. H-1457 30" BY ULINE. FAN TO BE MOUNTED 9'-0" A.F.F. ON WALL OR RACKING SYSTEM. PROVIDE		PROVIDE	
34     ROLL AROUND OIL CAN	PROVIDE		
了 了了 TRASH CAN	PROVIDE		
Image: State of the state		PROVIDE	MFR: KIDDIE, MODEL: PRO10MPO
Image: State of the state of t	PROVIDE		
38 STRUT COMPRESSOR	PROVIDE		

![](_page_23_Figure_2.jpeg)

)	UIPMENT & RACKING GENERAL NOTES
	REFER TO RESPONSIBILITY SCHEDULE ON SHEET CS-100 FOR ADDITIONAL INFORMATION. ROUGHING AND FINAL HOOK-UP (PER ELECTRICAL PLANS) BY CONTRACTOR.
	CONTRACTOR TO ELIMINATE CRACKING AND CONTROL JOINTS NEAR LIFT INSTALLATION LOCATIONS. RE: S-101 FOR ADDITIONAL INFORMATION. CONTROL JOINT LOCATIONS AND DEPTHS TO BE IN ACCORDANCE WITH STRUCTURAL DRAWINGS. LIFT MFR WILL NOT INSTALL EQUIPMENT ON CRACKED/JOINED CONCRETE.
	FINAL LOCATION OF ALL EQUIPMENT TO BE VERIFIED BY MAVIS TIRE AT TIME OF INSTALLATION. ALL EQUIPMENT TO ABIDE BY ANY AND ALL ADA CLEARANCES / REQUIREMENTS.
	CONTRACTOR SHALL ENSURE THAT NO CONDUITS OR PIPING IS RUN ALONG THE REAR WALL ADJACENT TO THE TIRE RACKING SYSTEM. ALTERNATIVELY, CONDUITS AND PIPING CAN RUN IN THE CORNERS AND AT THE AISLE WAYS.

ALL CAR LIFTS TO BE CENTERED IN BAY UNLESS OTHERWISE NOTED/DIMENSIONED.

![](_page_23_Picture_6.jpeg)

Larson Architectural Group 3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562

MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 (914) 984-2500

CLIENT

![](_page_23_Picture_10.jpeg)

![](_page_24_Figure_0.jpeg)

![](_page_24_Figure_1.jpeg)

								DOO	RS	,
						DO	OR SIZE		DOOF	2
DOOR NO.	LOCATION	EXTERIOR	INTERIOR	DOOR TYPE	FRAME TYPE	MDTH	HEIGHT	THICKNESS	HOLLOW METAL	
001	SHOWROOM	Х		A		(2) 3'-0"	7'-0"	2-1/4"		ľ
002	SERVICE AREA	Х		A2		3'-0"	7'-0"	2-1/4"		
003	SERVICE AREA	Х		A2		3'-0"	7'-0"	2-1/4"		ſ
004	SERVICE AREA	Х		В	M1	3'-0"	7'-0"	1-3/4"		
005	SHOWROOM		Х	A1	G1	3'-0"	7'-0"	1-3/4"		
006	WOMEN'S ROOM		Х	В	G1	3'-0"	7'-0"	1-3/4"	Х	
007	MEN'S ROOM		Х	В	G1	3'-0"	7'-0"	1-3/4"	Х	
800	BREAK ROOM		Х	В	G1	3'-0"	7'-0"	1-3/4"	Х	
009	MECHANICAL ROOM		Х	В	G1	3'-0"	7'-0"	1-3/4"	Х	
010	STAFF ROOM-107A		Х	В	G1	3'-0"	7'-0"	1-3/4"	Х	
1–018	SERVICE AREA	Х		С	S1	*12'-0"	*12–1"			
9-022	SERVICE AREA	Х		С	S1	*12'-0"	*12-1"			l
<ul> <li>SEE E-100 FOR SECOND OPERATOR CONTROL AT SALES COUNTER AREA FOR EACH DOOR.</li> <li>DOORS AT RACKING SHALL BE FIXED &amp; SECURE</li> <li>SEE CS-100 FOR INSULATION U-FACTORS FOR DOORS.</li> <li>PROVIDE LABEL ON EXTERIOR SIDE OF DOOR STATING "FIRE DEPARTMENT ACCESS DOOR DO NOT BLOCK." I MINIMUM SITROKE OF 3/8".</li> <li>CONSTANT PRESSURE TO CLOSE, NO PHOTO EYE/OPTIC SENSORS FOR OH DOOR CLOSURE</li> <li>LOW VOLTAGE WIRING FOR OH DOORS TO BE BY CONTRACTOR</li> <li><b>3</b> DOOR AND HARDWARE SCHEDULE</li> <li>SCALE: NONE</li> <li>2 1/2" RIGID INSULATION</li> <li>7/8" METAL HAT CHANNEL</li> <li>5/8" GYPSUM WALL BOARD</li> <li>BOARD WRAP</li> <li>SEALANT WITH BACKER</li> <li>ROD BOTH SIDES</li> <li>(TYP.)</li> <li>HOLLOW METAL FRAME</li> <li>GROUT SOLID (TYP.)</li> <li>DOOR</li> </ul>										
CONCRETE JAMB BLG SEALANT N BOTH SIDE GROUT SC TYP.) HOLLOW N MASONRY VALL; THE EXISTING	E BLOCK WALL OCK) WITH BACKER ROD – ES (TYP.) DLID WITH MORTAR – METAL FRAME; ANCHORS IN NEW ROUGH BOLT IN WALL INTERIC WYTHE SCALE: 1 1/2" = 1	"91/E 2 1/8 15/16" EQ. 2 0R SIN 8" OR	JAMB IGLE LARC	ER	  	5/16"	G1 A-70(	(I ) H( ) SCALE	FOR NO FOR NO FOR 1/2" =	

![](_page_24_Figure_3.jpeg)

BASED ON 8-BAY DOUBLE SIDED PROTOTYPE DATED NOV 22 2023

![](_page_25_Picture_0.jpeg)

DOOR HARDWARF				
DOOR HARDWARE SET				
ENTRANCE DOOR - AL	UMINUM DOOR & FRAME			
SINGLE ENTRANCE D			MANUEACTURED	
1 PER DOOR	SECURING DEVICES	DESCRIPTION DEAD LOCKING LATCH LOCK W/ PADDLE, CYLINDER DOGGING FEATURE	ADAMS-RITE 4510 DEAD LATCH W/4590 PADDLE	628 CLEAR ANODIZED
DOUBLE ENTRANC	E DOOR			1
<u>no.</u> 1 per leaf	I <u>TEM</u> SECURING DEVICES	DESCRIPTION PANIC DEVICE W/ CONCEALED VERTICAL ROD, TOP AND BOTTOM LATCH, WITH CYLINDER DOGGING FEATURE	<u>MANUFACTURER</u> ADAMS—RITE 8611 — C36	<u>FINISH</u> 628 CLEAR ANODIZED
SINGLE & DOUBL	E ENTRANCE DOOR			1
<u>NO.</u> 1 PER LEAF	ITEM OPERATING TRIM	DESCRIPTION 12" VERTICAL OFFSET PULL HANDLE	MANUFACTURER ALUMINUM DOOR MANUFACTURER	FINISH CLEAR ANODIZED
1 PER LEAF	CLOSING DEVICES	SURFACE OVERHEAD MOUNTED CLOSER WITH HOLD OPEN FEATURE	LCN 4040	689
1 PER LEAF	ACCESSORIES	WEATHER-STRIPPING SYSTEM CONSISTS OF PERIMETER SEAL, BOTTOM SWEEP AND BRUSH PILE @ ASTRAGAL	ALUMINUM DOOR MANUFACTURER STANDARD	
1 PER DOOR	THRESHOLD	4" X 1/2" ALUMINUM HANDICAPPED ACCESSIBLE	ALUMINUM DOOR MANUFACTURER STANDARD	ALUMINUM
DOOR HARDWARE SET	NO. 2 - EXTERIOR			
<u>NO.</u>	ITEM	DESCRIPTION	MANUFACTURER	FINISH
1 PER DOOR	SECURITY DEVICES	DEAD LOCKING LATCH LOCK W/ PADDLE	ADAMS-RITE 4510 DEAD LATCH W/4590 PADDLE	626
1 PER DOOR	HANGING DEVICE	FULL MORTISED ROTON CONCEALED HD CONT. HINGE	HAGER #780-224 HD	CLEAR ANODIZED ALUMINUM
1 PER LEAF	OPERATING TRIM	12" VERTICAL PULL HANDLE	ALUMINUM DOOR MANUFACTURER	CLEAR ANODIZED
1 PER LEAF	CLOSING DEVICES	SERVICE OVERHEAD MOUNTED CLOSER W/ HOLD OPEN FEATURE	LCN 4040	689
1 PER LEAF	STOPS & HOLDERS	AUXILIARY STOP	GLYNN-JOHNSON 104S	US32D SATIN STAINLESS
1 PER LEAF	ACCESSORIES	WEATHER-STRIPPING SYSTEM CONSISTS OF PERIMETER SEAL, BOTTOM SWEEP	ALUMINUM DOOR MANUFACTURER STANDARD	
1 PER DOOR	THRESHOLD	4" X 1/2" ALUMINUM HANDICAPPED ACCESSIBLE	ALUMINUM DOOR MANUFACTURER STANDARD	ALUMINUM
DOOR HARDWARE SET	NO. 3 - INTERIOR			•
NO.	ITEM	DESCRIPTION	MANUFACTURER	FINISH
1 PER DOOR	SECURITY DEVICES	DEAD LOCK	ADAMS-RITE 1850	626
1 PER DOOR	HANGING DEVICE	FULL MORTISED ROTON CONCEALED HD CONT. HINGE	HAGER #780-224 HD	CLEAR ANODIZED ALUMINUM
1 PER LEAF	OPERATING TRIM	PUSH AND PULL BARS	ALUMINUM DOOR MANUFACTURER	CLEAR ANODIZED
1 PER LEAF	CLOSING DEVICES	SERVICE OVERHEAD MOUNTED CLOSER W/ HOLD OPEN FEATURE	LCN 4040	689
1 PER LEAF	ACCESSORIES	WEATHER-STRIPPING SYSTEM CONSISTS OF PERIMETER SEAL, BOTTOM SWEEP	ALUMINUM DOOR MANUFACTURER STANDARD	
1 PER DOOR	THRESHOLD	4" X 1/2" ALUMINUM HANDICAPPED ACCESSIBLE	ALUMINUM DOOR MANUFACTURER STANDARD	ALUMINUM
DOOR HARDWARE SET	NO. 4 – EXTERIOR I ONLY EXIT LOCK EXTERIO	OR' BLANK PLATE' INTERIOR' ALWAYS FREE FOR EGRESS		
NO.		DESCRIPTION	MANUFACTURER	FINISH
1.5 PAIR PER LEAF	HANGING DEVICE PROTECTIVE TRIM	4 1/2 X 4 1/2 SS BALL BEARING FULLY MORTISED HD HINGES SILENCERS	HAGER BB1199 INTEGRAL WITH DOOR FRAME	SS CLEAR ANODIZED
1 PER LEAF	CLOSING DEVICES	SERVICE OVERHEAD MOUNTED CLOSER W/ HOLD OPEN FEATURE	LCN 4040	689
1 PER LEAF	ACCESSORIES	WEATHER-STRIPPING: PERIMETER SEAL - NEOPRENE AT HINGE SIDE AND TOP RAIL, BOTTOM SWEEP RECESSED AT BOTTOM RAILS	ZERO 824N ZERO 254A	
1 PER DOOR	THRESHOLD	4" X 1/2" ALUMINUM HANDICAPPED ACCESSIBLE	ALUMINUM DOOR MANUFACTURER STANDARD	ALUMINUM
1 PER DOOR	PANIC PUSH BAR	RIM EXIT DEVICE	ADAMS RITE EXIT DEVICE 8700 SERIES	
DOOR HARDWARE SET	NO. 5 - F-76 PRIVACY LC			
<u>NO.</u> 1 PER DOOR	. CAN BE OPENED FROM O I <u>TEM</u> SECURITY DEVICES	DISIDE W/ SMALL SCREWDRIVER, TURNING THE INSIDE LEVER OR CLOSING DESCRIPTION BORED LOCK WITH LEVER HANDLE TRIM	MANUFACTURER SCHLAGE ND40S RHO	FINISH 626
1.5 PAIR PER LEAF	HANGING DEVICE	4 1/2 X 4 1/2 SS BALL BEARING FULLY MORTISED HD HINGES	HAGER BB1199	SS
	PROTECTIVE TRIM	SILENCERS	INTEGRAL WITH DOOR FRAME	
I PER LEAF	CLOSING DEVICES	FEATURE	LCN 4040	689
1 PER DOOR	THRESHOLD	MARBLE (PROVIDE ONLY WHEN CERAMIC TILE IS USED)	ADA COMPLIANT	
OUTSIDE LEVER FIXED.	ENTRANCE BY KEY ONLY. I	NSIDE LEVER ALWAYS LOCKED.		
<u>NO.</u> 1 per door	I <u>TEM</u> SECURITY DEVICES	DESCRIPTION BORED LOCK WITH LEVER HANDLE TRIM	MANUFACTURER SCHLAGE ND80PD RHO	FINISH 626
1.5 PAIR PER LEAF	HANGING DEVICE	4 1/2 X 4 1/2 SS BALL BEARING FULLY MORTISED HD HINGES	HAGER BB1199	\$5
	PROTECTIVE TRIM	SILENCERS	INTEGRAL WITH DOOR FRAME	
1 PER LEAF	CLOSING DEVICES	SERVICE OVERHEAD MOUNTED CLOSER W/ HOLD OPEN FEATURE	LCN 4040	689
1 PER DOOR	THRESHOLD	ALUMINUM	ADA COMPLIANT	ALUMINUM
				1
NA	TIONAL AC	COUNT VENDOR INFORMATION	N FOR ARCHITECTURAL	FINISHES
1. RUBBER TILE: MATS	S, INC. IS PROVIDING MAVIS	TIRE WITH RESILIENT RUBBER TILE ON A NATIONAL ACCOUNT PRICE STRUC	TURE FOR MATERIALS ONLY. FOR QUOTES, PRICING, AND TECH	HNICAL
QUESTIONS. CONTAC 2. INPRO FINISHES: IN MATERIALS ONLY. FO	T DAVID BORKOWSKI, MATS, PRO CORPORATION IS PROV OR QUOTES, PRICING, AND T	INC. 179 MAPANELLI PARKWAY, STOUGHTON, MA 02072. PHONE: 781–436 IDING MAVIS TIRE WITH CERTAIN FINISHES (CHAIR RAIL, WALL PROTECTION, FECHNICAL QUESTIONS, CONTACT NATALIE GREHN. INPRO CORPORATION, 580	–7543 OR EMAIL: DBORKOWSKI@MATSINC.COM. CORNER GUARD) ON NATIONAL ACCOUNT PRICE STRUCTURE F D W18766 APOLLO DRIVE. MUSKEGO. WI 53150.	FOR

PHONE: 800-222-5556 EXT. 5126 OR EMAIL: NGREHN@INPROCORP.COM 3. INTERIOR SIGNAGE: INPRO CORPORATION IS PROVIDING MAVIS TIRE WITH SIGNSCAPE ADA SIGNAGE (RESTROOM SIGNS, EXIT, ECT.) ON NATIONAL ACCOUNT PRICE STRUCTURE FOR MATERIALS ONLY. FOR QUOTES, PRICING AND TECHNICAL ADA QUESTIONS, CONTACT ANNE STUEHN-RETAIL SALES REPRESENTATIVE, INPRO CORPORATION 580 W18766 APOLLO DRIVE, MUSKEGO WI 53150,

PHONE: 800-222-5556 EXT. 5327 OR EMAIL ASTUEHN@INPROCORP.COM
4. ACOUSTIC CEILING TILE: ARMSTRONG IS PROVIDING MAVIS WITH ACOUSTIC CEILING TILE ON A NATIONAL ACCOUNT PRICE STRUCTURE. FOR QUOTES, PRICING, AND TECHNICAL QUESTIONS, CONTACT NATIONAL ACCOUNT CUSTOMER SERVICE SHERRY BRUNT OR BETH RINEHART. PHONE: 1-800-442-4212. NATIONAL ACCOUNT SALES MANAGER CAN BE REACHED AT 703-389-2701. EMAIL: MMCONE@ARMSTRONGCEILINGS.COM

 OVERHEAD DOORS: DH PACE BUILDING PRODUCTS COMPANY IS PROVIDING MAVIS WITH OVERHEAD DOORS AND ACCESSORIES ON A NATIONAL ACCOUNT STRUCTURE, FOR QUOTES, PRICING AND TECHNICAL QUESTIONS, CONTACT DH PACE NATIONAL ACCOUNTS DIVISION, PHONE: 877–579–2333 OR MAVISDOORS@DHPACE.COM
 HAND DRYERS: NEWTON DISTRIBUTING COMPANY IS PROVIDING MAVIS WITH HAND DRYERS ON A NATIONAL ACCOUNT PRICE. STRUCTURE FOR QUOTES, PRICING, AND TECHNICAL QUESTIONS, CONTACT DAN D'AGOSTINO, NEWTON DISTRIBUTING COMPANY, OFFICE PHONE: 1-877-837-7745 OR CELL: 617-512-0959 OR EMAIL: DANA@NEWTONDISTRIBUTING.COM 7. LVT FLOORING: MATTER SURFACES IS PROVIDING MAVIS WITH LVT FLOORING ON A NATIONAL ACCOUNT STRUCTURE, FOR QUOTES, PRICING AND TECHNICAL QUESTIONS, CONTACT ROSS BECKER, PHONE: 508-326-3665 OR EMAIL RBECKER@MATTERSURFACES.COM.

![](_page_25_Picture_9.jpeg)

Larson Architectural Group

![](_page_26_Figure_0.jpeg)

![](_page_26_Figure_1.jpeg)

![](_page_26_Figure_3.jpeg)

![](_page_26_Figure_4.jpeg)

LDG

Larson Architectural Group

3000 WESTINGHOUSE DRIVE

SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562

AIR INFLATOR -5" OF  $\frac{3}{4}$ " CRUSHED STONE (COMPACTED) \_X\_\_\_X ELECTRICAL CONDUIT — RE: E—100 COMPACTED
 SUBGRADE

![](_page_26_Picture_7.jpeg)

![](_page_26_Picture_8.jpeg)

DUM

MAVIS<sup>-</sup> 1605

BASED ON 8-BAY DOUBLE SIDED PROTOTYPE DATED NOV 22 2023

# CODES / STANDARDS

# 2015 INTERNATIONAL BUILDING CODE

AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, 2016 EDITION (ASCE 7)

DESIGN CRITERIA	
OCCUPANCY	
RISK CATEGORY	II
DESIGN LOADS	
DEAD LOADS ROOF MEZZANINE	20 PSF 15 PSF
LIVE LOADS ROOF FLOOR ON GRADE MEZZANINE	20 PSF 100 PSF 125 PSF
SNOW LOADS GROUND SNOW LOAD (Pg) SNOW LOAD IMPORTANCE FACTOR (Is) TEMPERATURE FACTOR (Ct) EXPOSURE FACTOR (Ce) FLAT ROOF SNOW LOAD (Pf)	10 PSF 1.0 1.1 1.0 10 PSF
WIND LOADS BASIC WIND SPEED (V ULT) BASIC WIND SPEED (V ASD) TORNADO WIND SPEED WIND EXPOSURE INTERNAL PRESSURE COEFFICIENT COMPONENT & CLADDING DESIGN WIND PRESSURES: REFER TO WIND DESIGN SHEET	118 MPH 91.4 MPH N/A C +/-0.18
EARTHQUAKE DESIGN DATA SEISMIC OCCUPANCY CATEGORY SEISMIC IMPORTANCE FACTOR (Ie) Ss Site class Site class Spectral response coefficients Sds Sds Seismic design category BASIC SEISMIC-FORCE RESISTING SYSTEM = INTERMEDIATE REINFORCED MASONRY SHEAR WALLS SEISMIC RESPONSE COEFFICIENT (Cs) RESPONSE MODIFICATION FACTOR (R) DESIGN BASE SHEAR ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE	II 1.0 14.4 %g 6.9 %g D 0.154 0.154 0.110 B 0.044 3.5 0.044W
RAIN LOAD INTENSITY (60-MIN DURATION/100 YR STORM)	3.48 IN/HR

GENERAL REQUIREMENTS

- VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING WORK OR FABRICATING MATERIALS. NOTIFY STRUCTURAL ENGINEER OF RECORD (SER) OF ANY DISCREPANCIES BEFORE PROCEEDING WITH ANY PHASE OF WORK.
- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH JOB SPECIFICATIONS В. AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- C. DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS.
- D. 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 SER OF CONFLICT REGARDING APPLICABILITY OF "TYPICAL DETAILS".
- DO NOT LOAD THE SLAB ON GRADE OR SUPPORTED SLAB WITH ERECTION CRANES OR Ε. ERECTION EQUIPMENT. THE SLABS HAVE NOT BEEN DESIGNED FOR CRANE LOADS AND WILL REQUIRE AN INCREASE IN THICKNESS AND/OR REINFORCEMENT.
- DO NOT STORE OR STACK CONSTRUCTION MATERIALS ON POURED OR ERECTED F. FLOORS OR ROOFS IN EXCESS OF 80 PERCENT OF LIVE LOAD. GENERAL CONTRACTOR SHALL ENSURE THAT ALL SUB-CONTRACTORS ARE INFORMED OF LOADING RESTRICTIONS. AVOID IMPACT WHEN PLACING MATERIALS ON POURED OR ERECTED FLOORS OR ROOF.
- G. BEFORE PROCEEDING WITH ANY WORK WITHIN THE PROJECT AREA, THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH EXISTING STRUCTURE AND OTHER CONDITIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY BRACINGS, SHORING AND OTHER SAFEGUARDS TO MAINTAIN ALL PARTS OF EXISTING STRUCTURES AND FACILITIES IN A SAFE CONDITION DURING THE PROCESS OF DEMOLITION AND CONSTRUCTION AND TO PROTECT FROM DAMAGING THOSE PORTIONS OF EXISTING STRUCTURES AND FACILITIES WHICH ARE TO REMAIN.
- THE CONTRACT STRUCTURAL DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THE Η. CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION. PROVIDE ALL MEASURES REQUIRED TO PROTECT THE STRUCTURE, WORKMEN AND OTHER PERSONS DURING CONSTRUCTION: INCLUDING BRACING AND SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, FORMS AND SCAFFOLDING, SHORING OF RETAINING WALLS AND OTHER TEMPORARY SUPPORTS AS REQUIRED. COMPLY WITH APPLICABLE REQUIREMENTS OF OSHA AND OTHER GOVERNING BODIES HAVING JURISDICTION AT THE SITE.
- PRINCIPLE OPENINGS THROUGH THE FRAMING ARE SHOWN ON DRAWINGS. DEVIATIONS FROM THE OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE APPROVED BY THE SER PRIOR TO IMPLEMENTING THE CHANGES.
- LOADINGS FOR MECHANICAL EQUIPMENT ARE BASED ON THE UNITS SHOWN ON THE MECHANICAL DRAWINGS. ANY CHANGES IN TYPE, SIZE OR NUMBER OF PIECES OF EQUIPMENT SHALL BE REPORTED TO THE SER FOR VERIFICATION OF THE ADEQUACY OF SUPPORTING MEMBERS PRIOR TO THE PLACEMENT OF SUCH EQUIPMENT.

FOUNDATIONS	CAST-IN-PLACE CONCRETE	CONCRETE UNIT MASONRY
A. FOUNDATION DESIGN IS BASED UPON THE GEOTECHNICAL REPORT:	A. STANDARDS	A. STANDARDS
PERFORMED BY ECS SOUTHEAST, LLP, PROJECT NO. 33:6830, DATED MAY 2, 2024.	<ol> <li>AMERICAN CONCRETE INSTITUTE (ACI): ACI 117, ACI 301, ACI 302.1R, ACI 306.1, ACI 308, ACI 318</li> <li>CONCRETE REINFORCING STEEL INSTITUTE (CRSI) - MANUAL OF STANDARD PRACTICE</li> </ol>	<ol> <li>THE MASONRY SOCIETY (TMS): TMS 602</li> <li>AMERICAN CONCRETE INSTITUTE (ACI): ACI 560.1</li> </ol>
B. ALLOWABLE SOIL BEARING PRESSURE = 3000 PSF MIN,	3. WIRE REINFORCEMENT INSTITUTE, INC. (WRI) - DESIGN OF SLAB ON-GROUND FOUNDATIONS	3. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE): ASCE 6
NOTE: FOUNDATIONS PROPORTIONED FOR 1500 PSF MAXIMUM BEARING	B. CONCRETE MATERIALS	
C. THE CONTRACTOR SHALL PROVIDE AND OPERATE DEWATERING EQUIPMENT AND BE	USING THE FOLLOWING PARAMETERS:	COMPRESSIVE STRENGTH OF MASONRY (fm) = 2,000 PSI
<ul> <li>RESPONSIBLE FOR MAIN FAINING EXCAVATIONS AND WORK AREAS IN A DRY CONDITION.</li> <li>ARRANGE FOR OWNERS INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL</li> </ul>	FOUNDATIONS: 28 DAY COMPRESSIVE STRENGTH (f'c) 3000 PSI CATEGORY F CLASS F0 CATEGORY CLASS 20	2. MORTAR AND GROUT MATERIALS: PORTLAND CEMENT: ASTM C 150/C 150/M TYPE I OR II; HYDRATED LIME: ASTM C 207, TYPE M; MASONRY CEMENT: AST C91/C 91M; MORTAR CEMENT: ASTM C 1329/C 1329M; AGGREGATE FOR MOR
<ul> <li>OPERATIONS AND PERFORM FIELD DENSITY TESTS PRIOR TO PLACING CONCRETE.</li> <li>ALL BACKFILL AND TRENCHING OPERATIONS SHALL COMPLY WITH GEOTECHNICAL</li> </ul>	CATEGORY S CLASS S0 CATEGORY W CLASS P0 CATEGORY C CLASS C1	<ul> <li>ASTM C 144; AGGREGATE FOR GROUT: ASTM C 404; WATER: POTABLE</li> <li>3. GROUT COMPRESSIVE STRENGTH SHALL BE 2,500 PSI AT 28 DAYS WITH SLU</li> </ul>
AND FEDERAL SAFETY CODES, INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.	PIERS: 28 DAY COMPRESSIVE STRENGTH (fc) 4500 PSI	BETWEEN 8" AND 11". ALL GROUTING SHALL BE LOW LIFT.
F. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE SHORING OF THE NEW AND EXISTING CONSTRUCTION DURING CONSTRUCTION OPERATIONS IN ORDER TO	CATEGORY F CLASS F2 CATEGORY S CLASS S0 CATEGORY W CLASS P0	C. STEEL REINFORCEMENT 1. DEFORMED AND PLAIN BARS ASTM A615 GRADE 60
<ul><li>PREVENT ANY DAMAGE DUE TO BACKFILLING AND TRENCHING.</li><li>G. ALL BEARING AREAS FOR FOUNDATIONS SHALL BE INSPECTED AND APPROVED BY THE</li></ul>	CATEGORY C CLASS C1 ALL BUILDING ELEMENTS, UNLESS NOTED OTHERWISE:	2. LADDER TYPE REINFORCING ASTM A951
GEOTECHNICAL ENGINEER OR RECORD PRIOR TO ANY PLACEMENT OF CONCRETE. IF BEARING AREAS ARE NOT SUITABLE, AS DETERMINED BY THE GEOTECHNICAL ENGINEER, THE CONTRACTOR MAY BE REQUESTED TO CARRY THE EXCAVATION DEEPER TO MORE SUITABLE BEARING MATERIAL.	28 DAY COMPRESSIVE STRENGTH (fc) 4000 PSI CATEGORY F CLASS F0 CATEGORY S CLASS S0 CATEGORY W CLASS P0	<ul><li>D. EXECUTION</li><li>1. LAYING MASONRY WALLS: UNLESS OTHERWISE INDICATED, LAY EXPOSED</li></ul>
H. DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST OR ICE.	CATEGORY C CLASS C1 UNIT WEIGHT: NORMAL WEIGHT CONCRETE (145 PCF)	MASONRY IN RUNNING BOND; DO NOT USE UNITS WITH LESS-THAN-NOMINA INCH (100-MM) HORIZONTAL FACE DIMENSIONS AT CORNERS OR JAMBS.
I. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL.	AIR CONTENT: EXPOSURE CLASS FO = 0% +2% EXPOSURE CLASS F1, F2, F3 = 6% +/-1% (ADMIXTURE) CEMENTITOUS MATERIAL: LIMIT FLYASH TO 15% OF TOTAL CEMENT	<ol> <li>ALL CMU WALLS SHALL HAVE GALVANIZED, 9 GAUGE LADDER TYPE REINFORCEMENT SPACED VERTICALLY AT 16" OC MAXIMUM. PROVIDE CORM AND "TEE" SECTIONS OF REINFORCEMENT AT ALL WALL INTERSECTIONS. LA ALL LOINT BEINFORCEMENT FICHT (8) INCHES MINIMUM.</li> </ol>
	2. NO CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CHLORIDES SHALL BE USED IN ANY CONCRETE. MIX MATERIALS SHALL COMPLY WITH THE FOLLOWING:	<ul> <li>ALL CMU WALLS SHALL BE REINFORCED AS SHOWN ON THE DRAWINGS FOR</li> <li>ALL CMU WALLS SHALL BE REINFORCED AS SHOWN ON THE DRAWINGS FOR</li> </ul>
SUBMITTALS	PORTLAND CEMENT ASTM C150 FLY ASH ASTM C618 CLASS C OR F	<ol> <li>4. REFER TO SCHEDULE FOR LAP SPLICE LENGTHS.</li> </ol>
A. SHOP DRAWING REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT. CORRECTIONS OR COMMENTS MADE ON THIS REVIEW DO NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS AND OMISSIONS. AND FROM	SILICA FUME ASTM C1240 SLAG CEMENT ASTM C969 GRADE 100 OR 120 NORMAL WEIGHT AGGREGATE ASTM C33 CLASS 3S	5. POSITION AND HOLD REINFORCING IN PLACE BY THE USE OF PREFABRICAT STEEL WIRE BAR POSITIONERS, CONSOLIDATE GROUT WHEN PLACING BY
COMPLIANCE WITH THE PLANS AND SPECIFICATIONS. CORRECTIONS OR COMMENTS DO NOT AUTHORIZE AN INCREASE IN THE CONSTRUCTION BUDGET.	WATERASTM C94 POTABLEAIR-ENTRAININGASTM C260WATER-REDUCINGASTM C494 TYPE A	USING A MECHANICAL VIBRATOR. RECONSOLIDATE BY MECHANICAL VIBRAT AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED.
B. APPROVAL OF SHOP DRAWINGS DOES NOT INDICATE ACCEPTANCE OF DEVIATIONS FROM CONTRACT DOCUMENTS OR PREVIOUS SHOP DRAWING REVIEW, UNLESS SPECIFICALLY NOTED THEREIN BY ENGINEER OF RECORD.	RETARDINGASTM C494 TYPE BWATER-REDUCING/RETARDINGASTM C494 TYPE DPLASTICIZING/RETARDINGASTM C1017 TYPE II	<ol> <li>6. LINTELS BEARING ON CMU SHALL HAVE A MINIMUM BEARING LENGTH OF EIG</li> <li>(8) INCHES.</li> </ol>
C. ANY CHANGES TO THE DESIGN CONCEPT SHOWN IN CONTRACT DOCUMENTS SHALL BE SUBMITTED IN WRITING AND APPROVED BY THE ARCHITECT AND ENGINEER PRIOR TO	3. CHEMICAL ADMIXTURES MUST BE CERTIFIED BY MANUFACTURER TO BE COMPATIBLE WITH OTHER ADMIXTURES AND THAT DO NOT CONTRIBUTE WATER-SOLUBLE CHLORINE IONS EXCEEDING	<ol> <li>ALL BOND BEAMS INDICATED ON DRAWINGS SHALL BE GROUTED SOLID.</li> <li>ALL MASONRY BELOW GRADE SHALL BE GROUTED SOLID.</li> </ol>
SUBMITTING SHOP DRAWINGS.	THOSE ALLOWED IN HARDENED CONCRETE.	9. LOCATE CONTROL AND EXPANSION JOINTSWHERE INDICATED ON PLANS. IF
CONTRACTOR PRIOR TO SUBMITTAL TO ENGINEER AND ARCHITECT OF RECORD.	1. UNLESS NOTED OTHERWISE MAINTAIN THE FOLLOWING CONCRETE COVER FOR REINFORCEMENT:	LESSER OF WALL LENGTH TO HEIGHT RATIO OF 1.5 OR 25-FT MAXIMUM SPACING.
<ul> <li>SHOP DRAWINGS SHALL NOT CONTAIN REPRODUCTIONS OF THE CONTRACT DRAWINGS.</li> <li>DELEGATED ENGINEERING SUBMITTALS SHALL BE SIGNED AND SEALED BY A</li> </ul>	CONCRETE CAST AGAINST EARTH 3 INCHES	10. PROVIDE LINTELS WHERE SHOWN AND WHERE OPENINGS OF MORE THAN 2 INCHES ARE SHOWN WITHOUT STRUCTURAL STEEL OR OTHER SUPPORTIN
REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE PROJECT	CONCRETE EXPOSED TO THE WEATHER: #5 AND SMALLER BARS 1 1/2 INCHES #6 AND LARGER BARS 2 INCHES	LINTELS. PROVIDE MINIMUM BEARING OF 8 INCHES AT EACH JAMB UNLESS OTHERWISE INDICATED.
1. INFORMATION SUBMITTALS:	SLABS AND WALLS NOT EXPOSED TO WEATHER:	E. MORTAR BEDDING AND JOINTING
CONCRETE TEST REPORTS PRECAST LINTELS MASONRY GROUT TEST REPORTS	#11 AND SMALLER BARS 3/4 INCHES	1. LAY HOLLOW CMU AS FOLLOWS:
2. ACTION SUBMITTALS:	STIRRUPS AND TIES 3/4 INCHES	EQUAL TO BED JOINTS.
CONCRETE MIX DESIGNS CONCRETE REINFORCING MASONRY GROUT MIX DESIGN	D. STEEL REINFORCEMENT	B. BED WEBS IN MORTAR IN ALL COURSES OF PIERS, COLUMNS, AND PILASTERS.
MASONRY REINFORCING STRUCTURAL STEEL METAL DECK	<ol> <li>WELDED WIRE REINFORCEMENT (WWR), ASTM A185, PLAIN 65,000 PSI YIELD STRESS IN FLAT SHEETS</li> </ol>	C. BED WEBS IN MORTAR IN GROUTED MASONRY, INCLUDING STARTIN COURSE ON FOOTINGS.
3. DELEGATED ENGINEERING SUBMITTALS: STEEL JOISTS	3. ALL REINFORCEMENT SHALL BE SUPPORTED AND HELD IN PLACE BY MANUFACTURED STEEL WIRE BAR SUPPORTS IN ACCORDANCE WITH CRSI. USE OF ANY OTHER MATERIALS WITHOUT WRITTEN	D. FULLY BED ENTIRE UNITS, INCLUDING AREAS UNDER CELLS, AT STARTING COURSE ON FOOTINGS WHERE CELLS ARE NOT GROUTE
PRE-ENGINEERED CANOPIES, AWNINGS AND MARQUEES	4. STEEL REINFORCING SHALL BE FABRICATED ACCORDING TO CRSI.	<ul> <li>F. TOLERANCES</li> <li>1. DIMENSIONS AND LOCATIONS OF ELEMENTS:</li> </ul>
	E. VAPOR RETARDERS	A. FOR DIMENSIONS IN CROSS SECTION OR ELEVATION, DO NOT VARY
	1. SHEET VAPOR RETARDER: POLYERHYLENE SHEET, ASTM D 4397, NOT LESS THAN 10 MIL THICK.	<ul><li>B. FOR LOCATION OF ELEMENTS IN PLAN, DO NOT VARY FROM THAT</li></ul>
	F. EXECUTION           F.         EXECUTION           1.         PROVIDE CLASS 'B' REINFORCEMENT SPLICES FOR CONTINUOUS REINFORCEMENT.	INDICATED BY MORE THAN PLUS OR MINUS 1/2 INCH.
	REINFORCEMENT SPLICES AND DEVELOPMENT LENGTHS SHALL BE IN ACCORDANCE WITH ACI318 AND THE TABLES PROVIDED WITH THESE DRAWINGS. WHERE THERE IS A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL APPLY.	INDICATED BY MORE THAN PLUS OR MINUS 1/4 INCH IN A STORY HEI OR 1/2 INCH TOTAL.
	2. SPLICES FOR WELDED WIRE FABRIC SHALL BE TWO (2) INCHES IN ADDITION TO ONE SPACING OF CROSS WIRES.	<ol> <li>LINES AND LEVELS:</li> <li>A. FOR BED JOINTS AND TOP SURFACES OF BEARING WALLS. DO NOT Y</li> </ol>
	3. PROVIDE CONTINUOUS HORIZONTAL WALL REINFORCEMENT WITH 90° BENDS AND EXTENSIONS AT CORNERS AND INTERSECTIONS AS SHOWN ON TYPICAL REINFORCEMENT DETAILS	FROM LEVEL BY MORE THAN 1/4 INCH IN 10 FEET, OR 1/2-INCH MAXIN B. FOR CONSPICUOUS HORIZONTAL LINES, SUCH AS LINTELS, SILLS
	<ul> <li>4. ALL RE-ENTRANT CORNERS FOR SLAB-ON-GRADE CONSTRUCTION SHALL BE REINFORCED WITH TWO (2) #4 BY 3'-0" LONG (MIN) AT 45° FROM THE SLAB EDGES AND AT SLAB MID-DEPTH</li> </ul>	PARAPETS, AND REVEALS, DO NOT VARY FROM LEVEL BY MORE THA 1/8 INCH IN 10 FEET, 1/4 INCH IN 20 FEET, OR 1/2-INCH MAXIMUM.
	<ol> <li>UNLESS NOTED OTHERWISE, PROVIDE DOWELS TO MATCH SIZE AND SPACING OF MAIN REINFORCEMENT</li> </ol>	C. FOR VERTICAL LINES AND SURFACES DO NOT VARY FROM PLUMB B' MORE THAN 1/4 INCH IN 10 FEET, 3/8 INCH IN 20 FEET, OR 1/2-INCH
	6. DO NOT WELD OR BEND REINFORCEMENT IN THE FIELD UNLESS SPECIFICALLY SHOWN OR APPROVED BY STRUCTURAL ENGINEER	D. FOR CONSPICUOUS VERTICAL LINES, SUCH AS EXTERNAL CORNERS
	<ul> <li>ALL INTERIOR SLABS-ON-GRADE SHALL BE PLACED OVER A 10 MIL (MINIMUM) VAPOR RETARDER.</li> <li>ALL EDGES OF THE VAPOR RETARDER SHALL BE LAPPED A MINIMUM OF SIX (6) INCHES AND TAPED</li> </ul>	NOT VARY FROM PLUMB BY MORE THAN 1/8 INCH IN 10, 1/4 INCH IN 2 FEET, OR 1/2-INCH MAXIMUM.
	TO PREVENT ANY AND ALL PASSAGE OF MOISTURE. PLACE, PROTECT, AND REPAIR SHEET VAPOR RETARDER ACCORDING TO ASTM E 1643 AND MANUFACTURERS WRITTEN INSTRUCTIONS.	E. FOR LINES AND SURFACES, DO NOT VARY FROM STRAIGHT BY MORI THAN 1/4 INCH IN 10 FEET, 3/8 INCH IN 20 FEET, OR 1/2-INCH MAXIMUN
	SECURELY ATTACH EMBEDMENT ITEMS TO FORMWORK OR REINFORCING.	FROM PLUMB BY MORE THAN 1/4 INCH IN 10 FEET, OR 1/2-INCH MAXI
	NEW CONCRETE WILL BE PLACED ON CONCRETE THAT HAS HARDENED ENOUGH TO CAUSE SEAMS OR PLANES OF WEAKNESS (COLD JOINTS).	FROM FLUSH ALIGNMENT BY MORE THAN 1/16 INCH.
	10. PROVIDE CONSTRUCTION, CONTRACTION AND ISOLATION JOINTS AS INDICATED ON DRAWINGS. HORIZONTAL CONSTRUCTION JOINTS ARE NOT ALLOWED UNLESS SPECIFICALLY NOTED OR APPROVED BY THE SER. PROPOSED JOINT LOCATIONS THAT ARE DIFFERENT OR IN ADDITION TO THE JOINT LOCATIONS INDICATED ON THE DRAWINGS MUST BE REVIEWED AND APPROVED BY THE	A. FOR BED JOINTS, DO NOT VARY FROM THICKNESS INDICATED BY MO THAN PLUS OR MINUS 1/8 INCH, WITH A MAXIMUM THICKNESS LIMITE 1/2 INCH.
	SER. 11. SURFACE OF CONCRETE CONSTRUCTION JOINTS SHALL BE CLEANED AND LAITANCE REMOVED.	B. FOR EXPOSED BED JOINTS, DO NOT VARY FROM BED-JOINT THICKN OF ADJACENT COURSES BY MORE THAN 1/8 INCH.
	IMMEDIATELY BEFORE NEW CONCRETE IS PLACED, ALL CONSTRUCTION JOINTS SHALL BE WETTED AND STANDING WATER REMOVED.	C. FOR HEAD AND COLLAR JOINTS, DO NOT VARY FROM THICKNESS INDICATED BY MORE THAN PLUS 3/8 INCH OR MINUS 1/4 INCH.
	<ol> <li>UNLESS NOTED OTHERWISE, CHAMFER ALL EXPOSED EDGES OF CONCRETE 3/4 INCH.</li> <li>BEGIN CURING PROCEDURES IMMEDIATELY AFTER COMPLETING PLACEMENT. CONCRETE SHALL BE PROTECTED EROM PREMATURE DRYING, EXCESSIVELY LIST OF COLD TEMPERATURES AND</li> </ol>	D. FOR EXPOSED HEAD JOINTS, DO NOT VARY FROM THICKNESS INDICATED BY MORE THAN PLUS OR MINUS 1/8 INCH.
	DE PROTECTED FROM PREMATURE DRYING, EXCESSIVELY HOT OR COLD TEMPERATURES AND MECHANICAL INJURY.	

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Larson Architectural Group 3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562

MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 (914) 984-2500

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	CIURAL	SIEEL		STEEL	301010
A.	STAN			A.	STANDA
	1. 2	AISC 303, "CODE OF STANDARD PRACTIC BRIDGES". AISC 360 "SPECIFICATION FOR STRUCT	JE FOR STEEL BUILDINGS &		1.
	3.	AISC 341, "SEISMIC PROVISIONS FOR ST BUILDINGS".	RUCTURAL STEEL		2.
	4.	RCSC'S "SPECIFICATION FOR STRUCTUE STRENGTH BOLTS"	RAL JOINTS USING HIGH-		3.
3.	STEE	L MATERIALS		В.	MATERI
		WIDE FLANGE AND WT SHAPES STANDARD (S) SHAPES	ASTM A992, GRADE 50 ASTM A36		1.
		ANGLES, CHANNELS AND PLATES HOLLOW STRUCTURAL SHAPES	ASTM A36 ASTOM A1085 (50 KSI)	C.	JOIST A
		STRUCTURAL PIPE ANCHOR RODS	ASTM A53, GRADE B ASTM F1554, GRADE 36		1
		(MANUAL ARC WELDING OF STU DEFORMED ANCHORS	ASTMA108 DS IS NOT PERMITTED) ASTM A496		
		BOLTS, HIGH STRENGTH (PROVIDE (2) 3/4" DIA MINIMUM P	ASTM A325, TYPE 1 ER CONNECTION)		2.
		NUTS HARDENED WASHERS	ASTM A563, GRADE C ASTM F436, TYPE 1		
		WELD ELECTRODES	E70XX (LOW HYDROGEN)		3.
<b>)</b> .	MATE	RIALS (CONTINUED)			4.
	1.	PROVIDE WASHERS FOR ALL CONNECT OVERSIZE AND SHORT-SLOTTED HOLES	IONS THAT INCLUDE STANDARD, 5.		5.
	2.	5/16" THICK MINIMUM STEEL PLATE WAS LONG-SLOTTED HOLES. PLATE WASHEI SLOTTED HOLES.	HERS SHALL BE PROVIDED FOR ALL RS SHALL COMPLETELY COVER LONG-	D.	QUALIT
	3.	ALL STRUCTURAL STEEL ELEMENTS AN PERMANENTLY EXPOSED TO THE WEAT SHALL BE HOT DIP GALVANIZED PER AS	D CONNECTIONS THAT ARE HER OR EMBEDDED IN CONCRETE TM A123.		1.   
	4.	WITH THE EXCEPTION OF CONTACT SUF CONNECTIONS AND STRUCTURAL STEE STRUCTURAL STEEL SHALL RECEIVE OF AS SELECTED AND APPROVED BY THE OF FILM THICKNESS. OMIT PRIMER ON STE PROOFING REQUIRES BARE STEEL.	RFACES FOR "SLIP-CRITICAL" L TO BE EMBEDDED IN CONCRETE, ALL NE COAT OF RUST-INHIBITIVE PRIMER DWNER WITH A MINIMUM 1.5 MILS DRY EL SURFACES WHERE SPRAY-ON FIRE-		2.
	5.	UNLESS OTHERWISE NOTED, ALL STEEL WITH AN ASPHALTIC BASED CORROSIO	EXPOSED TO SOIL SHALL BE COATED N RESISTANT COATING.	E.	EXECUT
	6.	GROUT UNDER BEARING PLATES SHALL HAVE A COMPRESSIVE STRENGTH AT E WHICH IS PLACED.	SHALL COMPLY WITH ASTM C1107 AND XCEEDING THAT OF THE CONCRETE ON		   
	QUAL	ITY ASSURANCE			2.
	1.	A FABRICATOR QUALIFICATIONS: A QUA	LIFIED FABRICATOR THAT		3
		DESIGNATED AN AISC-CERTIFIED PLANT BY THE IAS FABRICATOR INSPECTION PI 172).	ROGRAM FOR STRUCTURAL STEEL (AC		4
	2.	INSTALLER QUALIFICATIONS: A QUALIFIE THE AISC QUALITY CERTIFICATION PRO CERTIFIED ERECTOR.	ED INSTALLER WHO PARTICIPATES IN GRAM AND IS DESIGNATED AN AISC-		4.
	3.	WELDING QUALIFICATIONS: QUALIFY PR ACCORDING TO AWS D1.1/D1.1M/D1.8 (S CODE - STEEL."	OCEDURES AND PERSONNEL EISMIC) "STRUCTURAL WELDING		5.
	EXEC	UTION		F	DROTEC
	1.	FABRICATE AND ASSEMBLE STRUCTUR/ IN THE SHOP TO THE GREATEST EXTEN PROCEDURES SHALL BE PERFORMED A WELD SHRINKAGE STRESSES AND DIST	AL STEEL MEMBERS AND ASSEMBLIES T POSSIBLE. SHOP WELDING ND SEQUENCED SO AS TO MINIMIZE ORTION OF THE MEMBER(S).	г.	1.
	2.	PROVIDE MINIMUM SIZE FILLET WELDS A THICKNESSES OF PARTIAL PENETRATIC SPECIFICATION SECTION "J" OF THE AIS TENSILE STRENGTH OF THE MEMBER(S WELDS UNLESS NOTED OTHERWISE ON LENGTHS ARE CONTINUOUS FOR THE F UNLESS NOTED OTHERWISE ON THE DE	AND MINIMUM EFFECTIVE THROAT IN GROOVE WELDS AS SPECIFIED BY C MANUAL. DEVELOP THE FULL ) JOINED ON ALL SHOP AND FIELD I THE DESIGN DRAWINGS. ALL WELD ULL LENGTH OF THE MEMBER(S) ESIGN DRAWINGS.		2.
	3.	PROVIDED SIMPLE SHEAR CONNECTION	I FOR STRUCTURAL STEEL	STEEL	DECKING
		BEARING BOLTS IN SINGLE OR DOUBLE SINGLE PLATE SHEAR TAB BOLTED CON SINGLE PLATE SHEAR TAB CONNECTION	SHEAR. PROVIDE DOUBLE ANGLE OR INECTIONS. AT HSS COLUMNS PROVIDE INS. EXTENDED SINGLE PLATE SHEAR	Α.	STANDA
	٨	TAB CONNECTIONS NOT PERMITTED.			[ 
	4.	FINISH BEAM ENDS TO FIT FLUSH WITH THESE PLATE ELEMENTS IS NOT PERMI	END PLATES. FIELD ASSEMBLY OF TTED.		2.
	5.	BRACE CONNECTIONS SHALL BE PROVI	DED PER THE DETAILS SHOWN ON THE	В.	MATERI
		DESIGN DRAWINGS. WHERE FORCES AN DRAWINGS, DESIGN CONNECTIONS OF THE FULL TENSILE STRENGTH OF THE M	RE NOT INDICATED ON THE DESIGN BRACING MEMBERS THAT DEVELOP MEMBERS ALL GUSSET PLATE ANGLE		1. (
		AND WELD SIZES SHALL BE DESIGNED T MOMENT FORCES CAUSED BY CONCEN	TO RESIST ALL TENSILE, SHEAR AND TRIC AND ECCENTRIC LOADING		/
		CONDITIONS. ALL BOLTED CONNECTION FULLY TENSIONED, UTILIZING HIGH STR	IS FOR BRACING MEMBERS SHALL BE ENGTH CLASS A "SLIP-CRITICAL"		
	EREC	BOLTS.			2.
	EREC	USE PROCEDURES. INCLUDING TEMPOR	RARY BRACES OR GUYS, AS REQUIRED	C.	EXECUT
		AT ALL TIMES TO MAINTAIN SAFETY AND TEMPORARY BRACING PROCEDURES IS CONTRACTOR AND SHALL REMAIN IN PL INSTALLATION OF ALL PERMANENT BRA	STABILITY OF THE STRUCTURE. THE RESPONSIBILITY OF THE ACE PRIOR TO THE COMPLETE CING ELEMENTS AND SYSTEMS.		1. I I /
	2.	FIELD CORRECTIONS AND GAS CUTTING MEMBERS IS NOT PERMITTED. SPLICING CAN NOT BE PERFORMED WITHOUT PRI	G OF FABRICATED STRUCTURAL STEEL G OF STRUCTURAL STEEL MEMBERS OR APPROVAL OF THE SER.		2.
	3.	INSTALL GROUT UNDER COLUMN BASE STRICT ACCORDANCE WITH MANUFACT	PLATES AND BEARING PLATES IN URER'S INSTRUCTIONS. FILL ENTIRE		3. I
	4.	ALL STRUCTURAL STEEL SURFACES TO PREPARED AND CLEANED SO AS TO BE	BE FIELD WELDED SHALL BE FREE OF ALL FOREIGN MATTER WITHIN		4. I (
		WELDS AND ABRASIONS WITH SHOP PR	IMER FURNISHED BY THE FABRICATOR		5.
	PROT				J. (
	1.	GALVANIZED SURFACES: CLEAN AREAS MISSING AND REPAIR GALVANIZING TO	WHERE GALVANIZING IS DAMAGED OR COMPLY WITH ASTM A 780/A 780.		6. F

LEEL JOIS	STS	COLI	D FORME	ED METAL FRAMING	POST-INSTALLED AND
ST/ 1.	ANDARDS STEEL JOIST INSTITUTE (SJI) - STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOIST, K-SERIES, AMERICAN NATIONAL STANDARD (SJI-K)	A.	STAN 1.	IDARDS AMERICAN IRON AND STEEL INSTITUTE (AISI) NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (AISI S100 AND AISI S200 SERIES).	1. POST-INSTAL ANCHORS AS LISTED BELO ANCHORAGE
2.	SJI - STANDARD SPECIFICATIONS FOR LONGSPAN STEEL JOISTS, LH SERIES AND DEEP LONGSPAN STEEL JOISTS, DLH-SERIES	В.	MATE	RIALS	ANCHORAGE
3.	(SJI-LH/DLH) SJI - STANDARD SPECIFICATIONS FOR JOIST GIRDERS (SJI-JG)		1.	COLD-FORMED STEEL FRAMING, GENERAL: ASTM A 1003/A 1003M, STRUCTURAL GRADE, TYPE H. METALLIC COATED. OF GRADE AND COATING WEIGHT G60.	FOR FAST CU
MA 1.	TERIALS STRUCTURAL STEEL SHAPES MEETING THE ASTM SPECIFICATIONS PRESCRIBED IN SJI STANDARD SPECIFICATIONS.		2.	STEEL STUDS: MANUFACTURER'S STANDARD C-SHAPED STEEL STUDS, OF WEB DEPTHS INDICATED, PUNCHED, WITH STIFFENED FLANGES, AND AS FOLLOWS:	HILTI HIT-HY 2 B7 FOR CARB DEFORMED R FOR SLOW CI
JOI	ST ACCESSORIES			MINIMUM FLANGE WIDTH: 1-5/8 INCHES.	HILTI HIT-RE 5
1	BRIDGING: PROVIDE STD SJI BRIDGING AND BRACING. DETAIL AND FABRICATE ACCORDING TO SJI'S "SPECIFICATIONS". FURNISH ADDITIONAL ERECTION BRIDGING IF REQUIRED FOR STABILITY.		3.	STEEL TRACK: MANUFACTURER'S STANDARD U-SHAPED STEEL TRACK, OF WEB DEPTHS INDICATED, UNPUNCHED, WITH STRAIGHT FLANGES, AND AS FOLLOWS: MINIMUM BASE-METAL THICKNESS: 18 GA. MINIMUM	INSERTS, COI ASTM F593 FC FOR MECHAN
2.	FABRICATE STEEL BEARING PLATES FROM ASTM A 36/A 36M STEEL WITH INTEGRAL ANCHORAGES OF SIZES AND THICKNESSES INDICATED. SHOP PRIME PAINT.		4.	MINIMUM FLANGE WIDTH: 1-1/4 INCHES. VERTICAL DEFLECTION AND LATERAL DRIFT CONNECTIONS SHALL ALLOW FOR POSITIVE	
3.	HIGH-STRENGTH BOLTS, NUTS, AND WASHERS: ASTM A 325, TYPE 1, HEAVY HEX STEEL STRUCTURAL BOLTS; ASTM A 563 HEAVY HEX CARBON-STEEL NUTS; AND ASTM F 436 HARDENED CARBON-STEEL WASHERS.		5.	ATTACHMENT TO STRUCTURE AND STUD WEB USING STEP-BUSHING TECHNOLOGY TO PROVIDE FRICTIONLESS, MOVEMENT. ALL CONNECTION PRODUCTS ARE REQUIRED TO HAVE A VALID ICC ES REPORT (ESR-1903 AND ESR-2049 RESPECTIVELY) OR EQUIVALENT COMPLYING WITH ICC ACCEPTANCE	HILTI HIT-HY 2 CONTINUOUS FOR STAINLE
4.	WELDING ELECTRODES: COMPLY WITH AWS STANDARDS.			CRITERIA AC261.	HILTI KWIK HU
5.	FURNISH MISCELLANEOUS ACCESSORIES INCLUDING SPLICE PLATES AND BOLTS REQUIRED BY JOIST MANUFACTURER TO COMPLETE JOIST ASSEMBLY.		6.	ALL METAL STUD MANUFACTURER'S ASSOCIATION (SSMA) PRODUCTS HAVE A FOUR PART IDENTIFICATION CODE WHICH IDENTIFIES THE SIZE (BOTH DEPTH AND FLANGE WIDTH), STYLE, AND MATERIAL THICKNESS OF EACH MEMBER. THIS NOMENCLATURE IS	3. ANCHORAGE
QU				LOCATED IN THE ABBREVIATIONS SECTION AND DESCRIBED HEREIN.	CONTINUOUS CARBON STE
1.	MANUFACTURER QUALIFICATIONS: A MANUFACTURER CERTIFIED BY SJITO MANUFACTURE JOISTS COMPLYING WITH APPLICABLE STANDARD SPECIFICATIONS AND LOAD TABLES IN SJI'S "SPECIFICATIONS". MANUFACTURER'S RESPONSIBILITIES INCLUDE PROVIDING PROFESSIONAL ENGINEERING SERVICES FOR DESIGNING SPECIAL JOISTS TO COMPLY WITH PERFORMANCE REQUIREMENTS.			THE FIRST PART OF THE MEMBER DESIGNATION INDICATES MEMBER DEPTH.     362 3-5/8" MEMBER     600 6" MEMBER     800 8" MEMBER     2. THE SECOND PART OF THE MEMBER DESIGNATION INDICATES THE MEMBER TYPE:     S STUD OR JOIST	STEEL REBAR HILTI KWIK HU ANCHOR CAP BY THE MANU
2.	WELDING QUALIFICATIONS: QUALIFY FIELD-WELDING PROCEDURES AND PERSONNEL ACCORDING TO AWS D1.1/D1.1M, "STRUCTURAL WELDING CODE - STEEL."			T TRACK F FURRING CHANNEL - HAT U CHANNEL	APPROVED IN CONTRACTOR PRODUCT IS
EX	ECUTION			3. THE THIRD PART OF THE MEMBER DESIGNATION INDICATES THE FLANGE WIDTH:	PRODUCT LIS PLANS. SUBS AC60. AND/OF
1.	EXAMINATION: EXAMINE SUPPORTING SUBSTRATES, EMBEDDED BEARING PLATES, AND ABUTTING STRUCTURAL FRAMING FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE. PROCEED WITH INSTALLATION ONLY AFTER UNSATISEACTORY CONDITIONS HAVE BEEN CORRECTED			<ul> <li>S162 1-5/8" FLANGE WITH 1/2" RETURN LIP</li> <li>S200 2" FLANGE WITH 5/8" RETURN LIP</li> <li>S250 2-1/2" FLANGE WITH 5/8" RETURN LIP</li> <li>T125 1-1/4" FLANGE WITH NO RETURN LIP</li> <li>4. THE FORTH PART OF THE MEMBER DESIGNATION INDICATES MEMBER THICKNESS:</li> </ul>	FOR LOAD RE INSTALLATIOI CREEP, IN-SE INSTALL ANCI
2.	DO NOT INSTALL JOISTS UNTIL SUPPORTING CONSTRUCTION IS IN PLACE AND SECURED			SSMA REF GA THICKNESS MIN THICKNESS DESIGN THICKNESS 33 MILS 20 0.0329" 0.0346" 43 MILS 18 0.0428" 0.0451"	OVERHEAD A
3.	INSTALL JOISTS AND ACCESSORIES PLUMB, SQUARE, AND TRUE TO LINE; SECURELY FASTEN TO SUPPORTING CONSTRUCTION ACCORDING TO SJI'S "SPECIFICATIONS".			54 MILS160.0538"0.0566"68 MILS140.0677"0.0713"97 MILS120.0966"0.01017"118 MILS100.1180"0.1242"	THE CONTRA PROVIDE ONS SPECIFIED. TI CONFIRMATIO
4.	BOLT JOISTS TO SUPPORTING STEEL FRAMEWORK USING HIGH-STRENGTH STRUCTURAL BOLTS. COMPLY WITH RESEARCH COUNCIL ON STRUCTURAL CONNECTION'S "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A 325 OR ASTM A 490 BOLTS" FOR HIGH-STRENGTH STRUCTURAL BOLT INSTALLATION AND TIGHTENING REQUIREMENTS.	C.	FRAM 1.	IING ACCESSORIES FABRICATE STEEL-FRAMING ACCESSORIES FROM STEEL SHEET, ASTM A 1003/A 1003M, STRUCTURAL GRADE, TYPE H, METALLIC COATED, OF SAME GRADE AND COATING WEIGHT USED FOR FRAMING MEMBERS.	ANCHOR CAP PROXIMITY O ACCORDANCI DRAWINGS. U
5.	INSTALL AND CONNECT BRIDGING CONCURRENTLY WITH JOIST ERECTION, BEFORE CONSTRUCTION LOADS ARE APPLIED. ANCHOR ENDS OF BRIDGING LINES AT TOP AND BOTTOM CHORDS IF TERMINATING AT WALLS OR BEAMS.		2.	PROVIDE ACCESSORIES OF MANUFACTURER'S STANDARD THICKNESS AND CONFIGURATION, UNLESS OTHERWISE INDICATED.	APPROPRAIT ANCHOR DIAN EXISTING REI WITH SPECIE
PR	OTECTION		3.	STEEL SHAPES: ASTM A 36/A 36M, ZINC COATED BY HOT-DIP PROCESS ACCORDING TO ASTM A 123/A 123M.	CAN BE CUT, AND SHALL U
1.	TOUCHUP PAINTING: AFTER INSTALLATION, PROMPTLY CLEAN, PREPARE, AND PRIME OR REPRIME FIELD CONNECTIONS, RUST SPOTS, AND ABRADED SURFACES OF PRIME-PAINTED JOISTS,BEARING PLATES, AND ACCESSORIES.		4.	POWDER-ACTUATED ANCHORS: FASTENER SYSTEM OF TYPE SUITABLE FOR APPLICATION INDICATED, FABRICATED FROM CORROSION-RESISTANT MATERIALS, WITH ALLOWABLE LOAD CAPACITIES CALCULATED ACCORDING TO ICC-ES AC70, GREATER THAN OR EQUAL TO THE DESTRICT ON A DETERMINED BY TESTING PER ASTM E 1190	LOCATIONS C CHIPPING OR DAMAGED RE SUGGESTED OR MASONRY
2.	PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS, IN A MANNER ACCEPTABLE TO MANUFACTURER AND INSTALLER, THAT ENSURE THAT JOISTS AND ACCESSORIES ARE WITHOUT DAMAGE OR DETERIORATION AT TIME OF SUBSTANTIAL COMPLETION.		5.	CONDUCTED BY A QUALIFIED TESTING AGENCY. MECHANICAL FASTENERS: ASTM C 1513, CORROSION-RESISTANT-COATED, SELF-DRILLING, SELF-TAPPING, STEEL SCREWS.	DESIGNED TO REINFORCEM APPROVED, N ANCHORS TO
		D.	FABR	ICATION	
EEL DEC	KING		1.	FABRICATE COLD-FORMED STEEL FRAMING AND ACCESSORIES PLUMB, SQUARE, AND TRUE TO LINE, AND WITH CONNECTIONS SECURELY FASTENED, ACCORDING TO REFERENCED AISI'S SPECIFICATIONS AND STANDARDS, AND MANUFACTURER'S WRITTEN	
STA 1			2.	INSTRUCTIONS. FABRICATE ASSEMBLIES LEVEL, PLUMB, AND TRUE TO LINE TO A MAXIMUM ALLOWABLE	
2.	DECKS, ROOF DECKS AND CELLULAR METAL FLOOR DECK WITH ELECTRICAL DISTRIBUTION, SDI PUB NO. 29. AISI "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL			TOLERANCE VARIATION OF 1/8 INCH IN 10 FEET AND AS FOLLOWS: A. SPACE INDIVIDUAL FRAMING MEMBERS NO MORE THAN PLUS OR MINUS 1/8 INCH FROM PLAN LOCATION. CUMULATIVE ERROR SHALL NOT EXCEED MINIMUM	
MA	TERIALS			FASTENING REQUIREMENTS OF SHEATHING OR OTHER FINISHING MATERIALS. B. SQUARENESS: FABRICATE EACH COLD-FORMED STEEL FRAMING ASSEMBLY TO A	
1.	GENERAL	F	EVEC	MAXIMUM OUT-OF-SQUARE TOLERANCE OF 1/8 INCH.	
	<ul> <li>A. ROOF, NON-COMPOSITE AND COMPOSITE FLOOR DECK: ASTM A611, GRADE C, D, OR E OR ASTM A653-94, GRADE 33</li> <li>B. DECK GALVANIZED FINISH (UNLESS NOTED OTHERWISE) GALVANIZED G60 (MIN) PER ASTM A653</li> </ul>	L.	1.	EXAMINATION: EXAMINE SUPPORTING SUBSTRATES AND ABUTTING STRUCTURAL FRAMING FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.	
2.	TYPICAL DECK PROPERTIES ARE AS NOTED ON THE DRAWINGS.		2.	INSTALL FRAMING MEMBERS IN ONE-PIECE LENGTHS UNLESS SPLICE CONNECTIONS ARE	
EXE 1.	ECUTION EXAMINE SUPPORTING FRAME AND FIELD CONDITIONS FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE. PROCEED WITH INSTALLATION ONLY AFTER		3.	INSTALL AXIALLY LOADED STUDS IN A MANNER WHICH WILL ASSURE THAT THEIR ENDS ARE POSITIONED AGAINST THE INSIDE OF TRACK WEB PRIOR TO FASTENING. PLUMB, ALIGN AND SECURELY ATTACH STUDS TO THE FLANGES OF BOTH UPPER AND LOWER TRACKS.	
2.	UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.		4.	DO NOT BRIDGE BUILDING EXPANSION JOINTS WITH COLD-FORMED STEEL FRAMING. INDEPENDENTLY FRAME BOTH SIDES OF JOINTS.	
	MANUFACTURER'S WRITTEN INSTRUCTIONS.		5.	ISOLATE NON-LOAD-BEARING STEEL FRAMING FROM BUILDING STRUCTURE TO PREVENT TRANSFER OF VERTICAL LOADS WHILE PROVIDING LATERAL SUPPORT	
3. 4	INSTALL ALL DECK AS 3 SPAN CONDITIONS UNLESS NOTED OTHERWISE.		6.	INSTALL HORIZONTAL BRIDGING IN WALL STUDS, SPACED VERTICALLY IN ROWS NOT MORE	
	FRAMING PLANS. WHERE WELDS ARE INDICATED USE ARC SPOT (PUDDLE) WELDS OF THE SURFACE DIAMETER INDICATED OR ARC SEAM WELDS WITH AN EQUAL PERIMETER THAT IS NOT LESS THAN 1-1/2 INCHES LONG. USE WELD WASHERS AS REQUIRED TO PREVENT BURN THROUGH.		7.	I HAN 48 INCHES APART. FASTEN AT EACH STUD INTERSECTION. INSTALL MISCELLANEOUS FRAMING COMPONENTS INCLUDING WEB STIFFENERS TO PROVIDE A COMPLETE WALL-FRAMING SYSTEM.	
5.	SIDE-LAP AND PERIMETER EDGE FASTENING: AS INDICATED ON FRAMING PLANS.	F	8. 	WELDING SHALL BE PER AWS STRUCTURAL WELDING CODE - SHEET STEEL (AWS D1.3)	
6.	ROOF DECK END BEARING: INSTALL DECK ENDS OVER SUPPORTING FRAME WITH A MINIMUM END BEARING OF 1-1/2 INCHES.	г.	гкот 1.	PREPARE AND REPAIR DAMAGED GALVANIZED COATINGS ON FABRICATED AND INSTALLED	
PR	OTECTION			AND MANUFACTURER'S WRITTEN INSTRUCTIONS.	
1.	GALVANIZING REPAIRS: PREPARE AND REPAIR DAMAGED GALVANIZED COATINGS ON BOTH SURFACES OF DECK WITH GALVANIZED REPAIR PAINT ACCORDING TO ASTM A 780 AND MANUFACTURER'S WRITTEN INSTRUCTIONS.		2.	PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS, IN A MANNER ACCEPTABLE TO MANUFACTURER AND INSTALLER, THAT ENSURE THAT COLD-FORMED STEEL FRAMING IS WITHOUT DAMAGE OR DETERIORATION AT TIME OF SUBSTANTIAL COMPLETION.	
2.	PROVIDE FINAL PROTECTION AND MAINTAIN CONDITIONS TO ENSURE THAT STEEL DECK IS WITHOUT DAMAGE OR DETERIORATION AT TIME OF				

- - SUBSTANTIAL COMPLETION.

# ICHORS

LED CONCRETE ANCHORS SHALL BE ADHESIVE ANCHORS OR MECHANICAL S INDICATED ON THE DRAWINGS. THE ANCHOR TYPES AND CONDITIONS W ARE THE DESIGN AND DETAILING BASIS OF ALL POST-INSTALLED IN THE CONTRACT DOCUMENTS:

TO CONCRETE (CRACKED) ELEMENTS

JRE ADHESIVE APPLICATIONS:

200-A (ICC ESR-3187) WITH CONTINUOUSLY THREADED RODS (ASTM A193 Gr BON STEEL AND ASTM F593 FOR STAINLESS STEEL) OR CONTINUOUSLY REINFORCING STEEL.

URE ADHESIVE APPLICATIONS:

500-V3 (ICC ESR-3814) WITH HILTI HIS-N OR HIS-RN INTERNALLY THREADED NTINUOUSLY THREADED RODS (ASTM A193 Gr B7 FOR CARBON STEEL AND OR STAINLESS STEEL) OR CONTINUOUSLY DEFORMED REINFORCING STEEL.

NICAL ANCHOR APPLICATIONS:

US EZ SCREW ANCHORS (ICC ESR-3027)

TO SOLID GROUTED MASONRY/MULTI-WYTHE BRICK

270 (ICC ESR-4143) WITH HILTI HAS-E CONTINUOUSLY THREADED RODS, SLY THREADED RÓDS (ASTM A193 Gr B7 FOR CARBON STEEL AND ASTM F593 ESS STEEL), OR CONTINUOUSLY DEFORMED STEEL REBAR.

US EZ SCREW ANCHORS (ICC ESR-3056)

TO HOLLOW MASONRY

270 (ICC ESR-4143) WITH HILTI HIT-SC TUBE SLEEVERS WITH HILTI HAS-E SLY THREADED RODS, CONTINUOUSLY THREADED RODS (ASTM A193 Gr B7 FOR EL AND ASTM F593 FOR STAINLESS STEEL), OR CONTINUOUSLY DEFORMED

US EZ SCREW ANCHORS (ICC ESR-3056)

PACITY USED IN DESIGN SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED IUFACTURER. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE N WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. R SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED STED ABOVE FOR EACH OF THE SPECIFIC CONNECTIONS DETAILED IN THE STITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC-ES AC58, ICC-ES R ICC-ES AC308 SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE ESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE N INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER ERVICE TEMPERATURE, AND INSTALLATION TEMPERATURE.

CHORS PER THE MANUFACTURER INSTRUCTIONS.

ADHESIVE ANCHORS MUST BE INSTALLED USING THE HILTI PROFIS SYSTEM.

ACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO SITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS HE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED ON THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS O PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.

PACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND OF ANCHORS TO EDGE OF CONCRETE OR MASONRY. INSTALL ANCHORS IN E WITH SPACING AND EDGE CLEARANCES INDICATED ON THE UNLESS SPECIFIED OTHERWISE, ANCHORS SHALL BE EMBEDDED IN THE E SUBSTRATE WITH A MINIMUM EMBEDMENT OF 8 TIMES THE NOMINAL METER OR THE EMBEDMENT REQUIRED TO SUPPORT THE INTENDED LOAD.

INFORCING BARS IN THE CONCRETE OR MASONRY STRUCTURE MAY CONFLICT FIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS JNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE OF THE CONCRETE OR MASONRY ANCHORS, BY FERROSCAN, GPR, X-RAY, R OTHER MEANS. ANY DAMAGE TO THE EXISTING STRUCTURE DUE TO CUT OR EINFORCEMENT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. DRILLING PROCEDURE INCLUDES PILOT DRILLING INTO EXISTING CONCRETE Y WITH 1/4" DIAMETER, SOFT MASONRY DRILL BIT (OR SIMILAR DRILL BIT O PENETRATE CONCRETE BUT NOT THROUGH STEEL). IF STEEL MENT IS ENCOUNTERED, IMMEDIATELY STOP DRILLING AND FILL HOLE WITH NON-SHRINK, HIGH-STRENGTH GROUT. CONTACT SER TO RELOCATE O AVOID EXISTING REINFORCEMENT.

![](_page_28_Picture_39.jpeg)

Larson Architectural Group 3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562

MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 (914) 984-2500

![](_page_28_Figure_42.jpeg)

S-002

# CMU REINFORCING LAP SPLICE SCHEDULE

BAR SIZE	BAR SPACING	8" CMU	10" CMU	12" CMU
#3	CENTERED	12"	12"	12"
3/8" Ø	EDGE	13"	13"	13"
#4	CENTERED	13"	12"	12"
1/2" Ø	EDGE	22"	22"	22"
#5	CENTERED	20"	16"	13"
5/8" Ø	EDGE	35"	35"	35"
#6	CENTERED	38"	29"	24"
3/4" Ø	EDGE	54"	54"	54"
#7	CENTERED	52"	40"	33"
7/8" Ø	EDGE	63"	63"	63"

NOTES: 1.

2. 3.

MASONRY f'm = 2000 PSI STEEL REINFORCING fy = 60000 PSI APPLIES TO BOTH VERITCAL AND HORIZONTAL REINFORCING WHERE HORIZONTAL REINFORCING REQUIRES 1 BAR, USE CENTER SPACING WHERE HORIZONTAL REINFORCING REQUIRES 2 BARS, USE EDGE SPACING 4. 5.

	GRADE 60 BAR	3000	) PSI	400	0 PSI	450	0 PSI	5000 PSI	
BAR SIZE	BAR SPACING	(3) Bar Dia or More	Less Than (3) Bar Dia	(3) Bar Dia or More	Less Than (3) Bar Dia	(3) Bar Dia or More	Less Than (3) Bar Dia	(3) Bar Dia or More	Less Than (3 Bar Dia
#3	TOP BARS:	28	42	25	37	23	35	22	33
3/8" Ø	OTHER BARS:	22	33	19	28	18	27	17	25
#4	TOP BARS:	38	56	33	49	31	46	29	44
1/2" Ø	OTHER BARS:	29	43	25	37	24	35	23	34
#5	TOP BARS:	47	70	41	61	38	57	36	54
5/8" Ø	OTHER BARS:	36	54	31	47	30	44	28	42
#6	TOP BARS:	56	84	49	73	46	69	44	65
3/4" Ø	OTHER BARS:	43	65	37	56	35	53	34	50
#7	TOP BARS:	81	122	71	106	67	100	63	95
7/8" Ø	OTHER BARS:	63	94	54	81	51	77	49	73
#8	TOP BARS:	93	139	81	121	76	114	72	108
1" Ø	OTHER BARS:	72	107	62	93	59	88	56	83
#9	TOP BARS:	105	157	91	136	86	128	81	122
1.128" Ø	OTHER BARS:	81	121	70	105	66	99	63	94
#10	TOP BARS:	118	177	102	153	96	144	92	137
1.270" Ø	OTHER BARS:	91	136	79	118	74	111	71	106
#11	TOP BARS:	131	196	114	170	107	160	102	152
1.410" Ø	OTHER BARS:	101	151	87	131	82	123	78	117

1. LENGTHS APPLY TO UNCOATED REINFORCEMENT IN NORMAL WEIGHT CONCRETE ONLY. 2. TOP BARS REFERS TO HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF FRESH CONRETE IS CAST IN THE MEMBER BELOW THE DEVELOPEMENT LENGTH OR SPLICE.

![](_page_29_Figure_7.jpeg)

![](_page_29_Figure_8.jpeg)

		COMPONE	NTS & CL	ADDING W	IND PRESS	URES (ULT	MATE)			
MIN PARAPET HEIGHT ROOF ANGLE TYPE OF ROOF			2.0 ft 1.2 deg MONOSLO	PE					H = a =	20.3 ft 5.7 ft
ULTIMATE LOADS										
			BASIC WIN	ID SPEED = SSURE =	120.0 mph 28.3 psf					
ROOF						SURFACE PR	ESSURE (PS	F)		
		AREA	10 sf	20 sf	50 sf	100 sf	200 sf	350 sf	500 sf	1000 sf
	NEGA	TIVE ZONE 1	-53.3	-49.8	-45.1	-41.6	-38.1	-35.3	-33.5	-33.5
	NEGAT	TIVE ZONE 1'	-30.6	-30.6	-30.6	-30.6	-26.3	-22.9	-20.7	-16.4
	NEGA	TIVE ZONE 2	-70.3	-65.8	-59.8	-55.3	-50.8	-47.1	-44.8	-44.8
	NEGA	TIVE ZONE 3	-95.8	-86.8	-74.8	-65.8	-56.7	-49.4	-44.8	-44.8
	POSITIVE	E ALL ZONES	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
	OVERHAN	G ZONE 1&1'	-48.2	-47.3	-46.2	-45.4	-38.0	-32.1	-28.3	-28.3
	OVERH	ANG ZONE 2	-65.2	-59.2	-51.2	-45.2	-39.2	-34.3	-31.2	-31.2
	OVERH	ANG ZONE 3	-90.7	-80.2	-66.2	-55.7	-45.1	-36.6	-31.2	-31.2
WALLS				SURFACE P	RESSURE (PS	F)				
		AREA	10 sf	100 sf	200 sf	500 sf				
	NEGA	TIVE ZONE 4	-33.2	-28.7	-27.3	-25.5				
	NEGA	TIVE ZONE 5	-40.8	-31.8	-29.1	-25.5				
	POSITIVE Z	ONE 4 AND 5	30.6	26.1	24.8	23.0				
PARAPETS					SURFACE PR	ESSURE (PSI	=)			
		Area	10 sf	20 sf	50 sf	100 sf	200 sf	500 sf		
	CASE A:	ZONE 2 :	92.7	86.7	78.8	72.8	66.7	58.8		
		ZONE 3 :	118.8	108.1	94.1	83.5	72.9	58.8		
	CASE R · INITED		-24 B	-52 0	_//R 3	-15 5	_12 B	-30 1		
			-04.0 _62.6	-52.0	-40.3 _52 Q	-40.0 _/12 2	-42.0 _11 6	-39.1		
	CUR	INCIAZOINE .	-02.0	-30.4	-32.3	-40.0	-44.0	-39.1		

NET UPLIFT FOR JOISTS (SERVICE LEVEL PRESSURES)										
ROOF		SURFACE PRESSURE (PSF)								
	AREA	10 sf	20 sf	50 sf	100 sf	200 sf	350 sf	500 sf	1000 sf	
	NEGATIVE ZONE 1	-29.6	-27.5	-24.7	-22.6	-20.5	-18.8	-17.7	-17.7	
	NEGATIVE ZONE 1'	-16.0	-16.0	-16.0	-16.0	-13.4	-11.3	-10.0	-7.5	
	<b>NEGATIVE ZONE 2</b>	-39.8	-37.1	-33.5	-30.8	-28.1	-25.9	-24.5	-24.5	
	NEGATIVE ZONE 3	-55.1	-49.7	-42.5	-37.1	-31.6	-27.3	-24.5	-24.5	

![](_page_29_Figure_11.jpeg)

![](_page_29_Figure_12.jpeg)

BASED ON 8-BAY DOUBLE SIDED PROTOTYPE DATED NOV 22 2023

S-003

SPECIAL INSPECTIONS FOR FABRICATED ITEMS							
ERIFICATION AND INSPECTION TASK CONTIN	JOUS PERIODIC	REFERENCED STANDARD					
WHERE FABRICATION OF STRUCTURAL, LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES IS BEING CONDUCTED ON THE PREMISES OF A FABRICATOR'S SHOP UNLESS THE FABRICATOR IS REGISTERED AND APPROVED PER SECTION 1704.5.	×	IBC 2021, SEC. 1704.2.5, 1704.2.5.1					

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	REFERENCED STANDARD
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		х	
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		х	
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		х	
4.DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	х		IBC 2021, TABLE 1705.6
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		х	

VERIFICATION AND INSPECTION TASK	FREQUENCY (a)			REFERENCE	REFERENCED STANDARD	
	LEVEL 1	LEVEL 2	LEVEL 3	TMS 402-16	TMS 602-16	
1. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:				_		
a. PROPORTIONS OF SITE-PREPARED MORTAR	NR	Р	Р		ART. 2.1, 2.6A, 2.6C	
b. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES	NR	Ρ	Ρ		ART. 2.4B & 2.4H	
c. GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES	NR	Р	Ρ		ART. 3.4, 3.6A	
d. PRESTRESSING TECHNIQUE	NR	Р	Р		ART: 3.6B	
e. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	NR	<del>€ (b)</del> / P (c)	С		ART. 2.1C.1	
f. SAMPLE PANEL CONSTRUCTION	NR	Р	С		ART_1.6D	
2. PRIOR TO GROUTING, VERIFY HAT THE FOLLOWING ARE IN COMPLIENCE:						
a. GROUT SPACE	NR	Р	С		ART. 3.2D, 3.2F	
b. PLACEMENT OF PRESTRESSING TENDONS AND ANCHORAGES	NR	Р	Р	SEC. 10.8, 10.9	ART. 2.4, 3.6	
c. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS	NR	Р	С	SEC. 6.1, 6.3.1, 6.3.6, 6.3.7	ART. 3.2E, 3.4	
d. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	NR	Р	Р		ART. 2.6B, 2.4G3.1.b	
3. VERIFY COMPLIANCE OF THE FOLLOWING DURING CONSTRUCTION:				-	-	
a. MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS	NR	Р	Р		ART. 1.5	
b. PLACEMENT OF PRESTRESSING TENDONS AND ANCHORAGES	NR	Р	Р		ART. 3.3B	
c. SIZE AND LOCATION OF TRUCTURAL MEMBERS	NR	Р	Р		ART. 3.3F	
d. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, AND OTHER CONSTRUCTION	NR	Ρ	С	SEC. 1.2.1(e), 6.2.1, 6.3.1		
e. WELDONG OF REINFORCEMENT	NR	С	С	SEC. 6.1.6.1.2		
f. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURES BELOW 40°F (4.4°C)) OR HOT WEATHER (TEMPERATURES ABOVE 90°F (32.2°C))	NR	Ρ	Ρ		ART. 1.8C, 1.8D	
g. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	NR	С	С		ART. 3.6B	
h. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	NR	С	С		ART. 3.5, 3.6C	
i. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN- BED MORTAR JOINTS	NR	<del>C (b)/ P (c)</del>	С		ART. 3.3B.9, 3.3F.1.b	

 <sup>(a)</sup> FREQUENCY REFERS TO THE FREQUENCY OF INSPECTION, WHICH MAY BE CONTINUOUS DURING THE TASK LISTED, AS DEFINED IN THE TABLE. NR = NOT REQUIRED, P = PERIODIC, C = CONTINUOUS
 <sup>(b)</sup> REQUIRED FOR THE FIRST 5,000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY. <sup>(c)</sup> REQUIRED AFTER THE FIRST 5,000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY.

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIO	DIC REFERENCED STANDAR
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.		x	IBC 2018, SEC. 1908.4 ACI 318: CH. 20, 25.2, 25.3, 26.6-1-26.6.3
2. REINFORCING BAR WELDING: a. VERIFY WELDABILITY OF REINFORCING BARS OTHER		x	AWS D1.4
b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"		x	ACI 318: 26.6.4
c. INSPECT ALL OTHER WELDS	Х		
3. INSPECT ANCHORS CAST IN CONCRETE.		X	ACI 318: 17.8.2
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS <sup>(b)</sup> . a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. b. MECHANICAL ANCHORS AND	X		ACI 318: 17.8.2.4, 17.8.2
ADHESIVE ANCHORS NOT DEFINED IN 4.a.	X		
5. VERIFY USE OF REQUIRED DESIGN MIX.		x	IBC 2018, SEC. 1904.1, 1904.2, 1908.2, 1908.3 ACI 318: CH. 19, 26.4.3, 26.4.4
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	х		IBC 2018, SEC. 1908.10 ASTM C172, C31 ACI 318: 26.5.3-26.5.5
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	x		IBC 2018, SEC. 1908.6, 1908.7, 1908.8 ACI 318: 2
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		Х	IBC 2018, SEC. 1908.9 ACI 318: 26.5.3-26.5.5
9. INSPECT PRESTRESSED CONCRETE FOR:			A=1219: 26:10
a. APPLICATION OF PRESTRESSING FORCES b.GROUTING OF BONDED PRESTRESSING TENDONS.	X		ACI 318: 20.10
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.		x	ACI 318: 26.9
11 FOR PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS (MDE OR HDE) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E, OR F, INSPECT SUCH CONNECTIONS AND REINFORCEMENT IN THE FIELD			ACI 318: 26.11.2
FOR: • INSTALLATION OF THE EMBEDDED PARTS	х		
COMPLETION OF THE CONTINUITY OF REINFORCEMENT ACROSS JOINTS.	х		
CONNECTIONS IN THE FIELD.	Х		
12. INSPECT INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTIONS FOR COMPLIANCE WITH ACI 550.5.		x	ACI 318: 26.13.3
13. VERIFY 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.		x	ACI 318: 26.11.2
14. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		x	ACI 318: 26.11.1.2(b)
OR SI: 1 INCH = 25.4 mm a) WHERE APPLICABLE, SEE SECTION 170 b) SPECIFIC REQUIREMENTS FOR SPECIA REPORT FOR THE ANCHOR ISSUED BY AN 18, OR OTHER QUALIFICATION PROCEDU ROVIDED, SPECIAL INSPECTION REQUIRI SESIGN PROFESSIONL AND SHALL BE APP COMMENCEMENT OF THE WORK.	05.13, SPECIAL I IL INSPECTION I APPROVED SC RES. WHERE S EMENTS SHALL PROVED BY THE	NSPECTIC SHALL BE DURCE IN PECIFIC R BE SPEC E BUILDING	ONS FOR SEISMIC RESISTANCE INCLUDED IN THE RESEARCH ACCORDANCE WITH 17.8.2 IN A REQUIREMENTS ARE NOT IFIED BY THE REGISTERED G OFFICIAL PRIOR TO THE
SPECIAL INSPECTI	ONS FOR S	TEEL	
		00	REFERENCED STANDAR
NSPECTION TASKS AFTER BOLTING	QC	QA	

SPECIAL INSPECTIONS FOR STEEL					
INSPECTION TASKS PRIOR TO WELDING	QC	QA	REFERENCED STANDARD		
WELDING QUALIFICATION RECORDS AND CONTINUITY RECORDS	Р	0			
WPS AVAILABLE	Р	Р			
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	Р	Р			
MATERIAL IDENTIFICATION (TYPE/GRADE)	0	0			
WELDER IDENTIFICATION SYSTEM (a)	0	0			
<ul> <li>FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)</li> <li>JOINT PENETRATIONS</li> <li>DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOF FACE, BEVEL)</li> <li>CLEANLINESS (CONDITION OF STEEL SURFACES)</li> <li>TACKING (TACK WELD QUALITY AND LOCATION)</li> <li>BACKING TYPE AND FIT (IF APPLICABLE)</li> </ul>	Ο	0	IBC 2021, SEC. 1705.2.1 AISC 360-16, TABLE N5.4-1		
<ul> <li>FIT-UP OF CJP GROOVE WELDS OF HSS</li> <li>T-, Y- AND K-JOINTS WITHOUT BACKING</li> <li>(INCLUDING JOINT GEOMETRY)</li> <li>JOINT PREPARATIONS</li> <li>DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)</li> <li>CLEANLINESS (CONDITION OF STEEL SURFACES)</li> <li>TACKING (TACK WELD QUALITY AND LOCATION)</li> </ul>	Ρ	0			
CONFIGURATION AND FINISH OF ACCESS HOLES	Ο	о			
<ul> <li>FIT-UP OF FILLET WELDS</li> <li>DIMENSIONS (ALIGNMENT, GAPS AT ROOT)</li> <li>CLEANLINESS (CONDITION OF STEEL SURFACES)</li> <li>TACKING (TACK WELD QUALITY AND LOCATION)</li> </ul>	0	0			
CHECK WELDING EQUIPMENT	0		]		

(a) THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE. O – OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P – PERFORM THESE TASKS FOR EACH ITEM OR ELEMENT.

SPECIAL INSPECTIONS FOR STEEL

INSPECTION TASKS DURING WELDING	QC	QA	REFERENCED STANDARD
CONTROL AND HANDLING OF WELDING CONSUMABLES	0	0	
NO WELDING OVER CRACKED TACK WELDS	0	0	
<ul> <li>ENVIRONMENTAL CONDITIONS</li> <li>WIND SPEED WITHIN LIMITS</li> <li>PRECIPITATION AND TEMPERATURE</li> </ul>	Ο	0	
<ul> <li>WPS FOLLOWED</li> <li>SETTINGS ON WELDING EQUIPMENT</li> <li>TRAVEL SPEED</li> <li>SELECTED WELDING MATERIALS</li> <li>SHIEDLING GAS TYPE/FLOW RATE</li> <li>PREHEAT APPLIED</li> <li>INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.)</li> <li>PROPER POSITION (F, V, H, OH)</li> </ul>	Ο	0	IBC 2021, SEC. 1705.2.1 AISC 360-16, TABLE N5.4-1
<ul> <li>WELDING TECHNIQUES</li> <li>INTERPASS AND FINAL CLEANING</li> <li>EACH PASS WITHIN PROFILE LIMITATIONS</li> <li>EACH PASS MEETS QUALITY REQUIREMENTS</li> </ul>	Ο	0	
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	Р	Р	

O – OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P – PERFORM THESE TASKS FOR EACH ITEM OR ELEMENT.

SPECIAL INSPECTIONS FOR OPEN-WEB STEEL JOISTS AND JOIST GIRDERS						
VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC	REFERENCED STANDARD			
1. INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS						
a. END CONNECTIONS - WELDING OR BOLTED		х	SJI SPECIFICATIONS LISTED IN SECTION 2207.1			
b. BRIDGING - HORIZONTAL OR DIAGONAL						
c. STANDARD BRIDGING		х	SJI SPECIFICATIONS LISTED IN SECTION 2207.1			
2. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED ON SECTION 2207.1		х	IBC 2021, TABLE 1705.2.3			

FOR SI: 1 INCH = 25.4 mm. <sup>(a)</sup> WHERE APPLICABLE, SEE SECTION 1705.13, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.

INSPECTION TASKS AFTER WELDING	QC	QA	REFERENCED STANDARD
WELDS CLEANED	0	0	
SIZE, LENGTH AND LOCATION OF WELDS	P	Р	
<ul> <li>WELDS MEET VISUAL ACCEPTANCE CRITERIA</li> <li>CRACK PROHIBITION</li> <li>WELD/BASE-METAL FUSION</li> <li>CRATER CROSS SECTION</li> <li>WELD PROFILES</li> <li>WELD SIZE</li> <li>UNDERCUT</li> <li>POROSITY</li> </ul>	Р	Р	
ARC STRIKES	Р	Р	
k-AREA (a)	Р	Р	
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES (b)	Р	Р	IBC 2021, SEC. 1705.2.1
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	Р	Р	AISC 360-16, TABLE N5.4-3
REPAIR ACTIVITIES	P	Р	
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	Р	Р	
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	0	0	
<ul> <li>in. (75 mm) OF THE WELD.</li> <li>(b) AFTER ROLLED HEAVY SHAPES (S SECTION A3.1d) ARE WELDED, VISI O – OBSERVE ITEMS ON A RANDOM B/ THESE INSPECTIONS.</li> <li>P – PERFORM THESE TASKS FOR EACH IT</li> </ul> SPECIAL INSPECTI	EE SECTION UALLY INSPE ASIS. OPERA EM OR ELEN ONS FOR	A A3.1c) AND E ECT THE WEL ATIONS NEED MENT.	BUILT-UP HEAVY SHAPES (SEE D ACCESS HOLE FOR CRACKS. NOT BE DELAYED PENDING
MANUFACTURER'S CERTIFICATIONS	0	 Р	
AVAILABLE FOR FASTENER MATERIALS			
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	0	0	
THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	0	ο	
CORRECT BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	0	0	IBC 2021, SEC. 1705.2.1
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	0	0	AISC 360-16, TABLE N5.4-3
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	Р	0	
PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	0	0	
<ul> <li>O – OBSERVE ITEMS ON A RANDOM B/ THESE INSPECTIONS.</li> <li>P – PERFORM THESE TASKS FOR EAC</li> </ul>	ASIS. OPERA	ATIONS NEED	NOT BE DELAYED PENDING
SPECIAL INSPECTI	ONS FOR	STEEL	
INSPECTION TASKS DURING BOLTING	QC	QA	REFERENCED STANDARD
FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS AND NUTS ARE POSITIONED AS REQUIRED	ο	0	
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	0	0	IBC 2021, SEC. 1705.2.1
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	0	0	AISC 360-16, TABLE N5.6-2
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES			
	0	0	
<ul> <li>OBSERVE TIEMS ON A RANDOM B/ THESE INSPECTIONS.</li> <li>P – PERFORM THESE TASKS FOR EAC</li> </ul>	ASIS. OPERA	ATIONS NEED	NOT BE DELAYED PENDING
<ul> <li>OBSERVE ITEMS ON A RANDOM B/ THESE INSPECTIONS.</li> <li>P – PERFORM THESE TASKS FOR EAC</li> <li>SPECIAL INSPECTION</li> </ul>	ASIS. OPERA TH ITEM OR E	ATIONS NEED ELEMENT.	NOT BE DELAYED PENDING
0-       OBSERVE ITEMS ON A RANDOM B/ THESE INSPECTIONS.         P-       PERFORM THESE TASKS FOR EAC         SPECIAL INSPECTION         INSPECTION TASKS PRIOR TO DECK         PLACEMENT	ASIS. OPERA TH ITEM OR E	ATIONS NEED ELEMENT. DLD-FORN	NOT BE DELAYED PENDING
<ul> <li>OBSERVE ITEMS ON A RANDOM B/ THESE INSPECTIONS.</li> <li>P – PERFORM THESE TASKS FOR EAC</li> <li>SPECIAL INSPECTION</li> <li>INSPECTION TASKS PRIOR TO DECK PLACEMENT</li> <li>VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES)</li> <li>WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS</li> </ul>	O ASIS. OPERA CHITEM OR E S FOR CO QC P	ATIONS NEED ELEMENT.	NOT BE DELAYED PENDING IED METAL DECK REFERENCED STANDARD IBC 2021, SEC. 1705.2.2 SDI QA/QC 2017, Table 1.1

O – OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
 P – PERFORM THESE TASKS FOR EACH ITEM OR ELEMENT.

SPECIAL INSPECTIONS FOR STEEL						
SKS AFTER WELDING	QC	QA	REFERENCED STANDARD			
D	0	0				
ND LOCATION OF WELDS	Р	Р				
ISUAL ACCEPTANCE PROHIBITION ASE-METAL FUSION CROSS SECTION ROFILES IZE CUT TY	Ρ	Ρ				
	Р	Р				
	Р	Р				
HOLES IN ROLLED HEAVY JILT-UP HEAVY SHAPES (b)	Р	Ρ	IBC 2021 SEC 1705 2.1			
VED AND WELD TABS EQUIRED)	Р	Ρ	AISC 360-16, TABLE N5.4-3			
IES	Р	Р				
CEPTANCE OR WELDED JOINT OR	Р	Ρ				
WELDS HAVE BEEN IT THE APPROVAL OF THE	0	0				

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MANIS TIRES & BRAKES #2266 - SANFORD, NC         SEAT         SEAT         32003         OLIVE         1605 BUFFALO LAKE ROAD SANFORD, NC 27332         1605 BUFFALO LAKE ROAD SANFORD, NC 27332         Image: Seat Laboration of the seat seat seat seat seat seat seat sea	MAVIS 358 SAV MILLWC (914) 98	(724) 5 TIRE V MILL F OOD, NY 4-2500	591-856	32 PLY, L ROAD	LC
MAVIS TIRES & BRAKES #2266 - SANFORD,NC         1605 BUFFALO LAKE ROAD SANFORD, NC 27332         1605 BUFFALO LAKE ROAD SANFORD, NC 27332         Second SanFord, NC 27332         Image:	This item has Brett C. Rylan signature. Pri considered si on any electr	S S S S S S S S S S S S S S S S S S S	CARC SSION EAL 3503 INEES INEES INEES INEES INEES	A digital unent are n nust be verifi	y otied
MAVIS TIRES & BRAKES #2266 - SANFORD,NC         1605 BUFFALO LAKE ROAD SANFORD, NC 27332         1605 BUFFALO LAKE ROAD SANFORD, NC 27332         SPECIAL INSPECTIONS IBC 2021				PERMIT SUBMISSION	COMMENTS
MAVIS TIRES & BRAKES #2266 - SANFORD, NC 1605 BUFFALO LAKE ROAD SANFORD, NC 27332 SPECIAL INSPECTIONS IBC 2021				11/20/2024	K DATE
MAVIS TIRES & BRAKES #2266 - SANFORD, NC 1605 BUFFALO LAKE ROAD SANFORD, NC 27332 SPECIAL INSPECTIONS IBC 2021					MAR
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S-004

# SPECIAL INSPECTIONS FOR COLD-FORMED METAL DECK

INSPECTION TASKS AFTER DECK PLACEMENT	QC	QA	REFERENCED STANDARD
VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	Ρ	Р	
VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS		Ρ	IBC 2021, SEC. 1705.2.2 SDI QA/QC 2017, Table 1.2
DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLTION OF DECK AND DECK ACCESSORIES	Р	Р	

O – OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING

THESE INSPECTIONS. P – PERFORM THESE TASKS FOR EACH ITEM OR ELEMENT.

SPECIAL INSPECTIONS FOR COLD-FORMED METAL DECK					
INSPECTION TASKS PRIOR TO WELDING	QC	QA	REFERENCED STANDARD		
WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	Ο	0			
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	0	0	IBC 2021, SEC. 1705.2.2		
MATERIAL IDENTIFICATION (TYPE/GRADE)	0	о	SDI QA/QC 2017, Table 1.3		
CHECK WELDING EQUIPMENT	0	0			

O – OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

P – PERFORM THESE TASKS FOR EACH ITEM OR ELEMENT.

SPECIAL INSPECTIONS FOR COLD-FORMED METAL DECK					
INSPECTION TASKS DURING WELDING	QC	QA	REFERENCED STANDARD		
USE OF QUALIFIED WELDERS	0	0			
CONTROL AND HANDLING OF WELDING CONSUMABLES	0	0			
ENVIROMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)	0	0	IBC 2021, SEC. 1705.2.2 SDI QA/QC 2017, Table 1.4		
WPS FOLLOWED	0	0			

O – OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P – PERFORM THESE TASKS FOR EACH ITEM OR ELEMENT.

# SPECIAL INSPECTIONS FOR COLD-FORMED METAL DECK INSPECTION TASKS AFTER WELDING QC QA REFERENCED STANDARD VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS Р Ρ WELDS MEET VISUAL ACCEPTANCE Р Р IBC 2021, SEC. 1705.2.2 CRITERIA SDI QA/QC 2017, Table 1.5 VERIFY REPAIR ACTIVITIES Р Р DOCUMENT ACCEPTANCE OR REJECTION OF WELDS Р Ρ

O – OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

P – PERFORM THESE TASKS FOR EACH ITEM OR ELEMENT.

SPECIAL INSPECTIONS FOR COLD-FORMED METAL DECK					
INSPECTION TASKS PRIOR TO MECHANICAL FASTENING	QC	QA	REFERENCED STANDARD		
MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	0	0			
PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	0	0	IBC 2021, SEC. 1705.2.2 SDI QA/QC 2017, Table 1.6		
PROPER STORAGE FOR MECHANICAL FASTENERS	0	0			

O – OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING

THESE INSPECTIONS. P – PERFORM THESE TASKS FOR EACH ITEM OR ELEMENT.

SPECIAL INSPECTIONS FOR COLD-FORMED METAL DECK						
INSPECTION TASKS DURING MECHANICAL FASTENING	QC	QA	REFERENCED STANDARD			
FASTENERS ARE POSITIONED AS REQUIRED	0	0	IBC 2021 SEC 1705.2.2			
FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	0	0	SDI QA/QC 2017, Table 1.7			

O – OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. P – PERFORM THESE TASKS FOR EACH ITEM OR ELEMENT.

SPECIAL INSPECTIONS FOR COLD-FORMED METAL DECK							
INSPECTION TASKS AFTER MECHANICAL FASTENING	QC	QA	REFERENCED STANDARD				
CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	Р	Р					
CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	Р	Р					
CHECK SPACING, TYPE, AND INSTALALTION OF PERIMETER FASTENERS	Р	Р	IBC 2021, SEC. 1705.2.2 SDI QA/QC 2017, Table 1.8				
VERIFY REPAIR ACTIVITIES	Р	Р					
DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	Р	Р					

OBSERVE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING O – THESE INSPECTIONS. P – PERFORM THESE TASKS FOR EACH ITEM OR ELEMENT.

C-3950

![](_page_31_Picture_21.jpeg)

Larson Architectural Group 3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562

MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 (914) 984-2500

![](_page_31_Picture_24.jpeg)

![](_page_32_Figure_0.jpeg)

![](_page_32_Picture_1.jpeg)

FOUNDATION PLAN <sup>/</sup> SCALE: 3/16" = 1'-0"

FOUNDATION SCHEDULE				WALL FOUNDATION SCHEDULE								
MARK	LENGTH	WIDTH	FOUNDATION THICKNESS	TOP REINFORCING	BTM REINFORCING	COMMENTS	MAR	K WIE	TH FOU	INDATION TO	OP REINFORCING	BTM REINFORCING
F4.0	4' - 0"	4' - 0"	1' - 0"	N/A	(5)#5 EW		WF2.0	) 2'-	0"	1' - 0"	N/A	(3)#5 CONT
F5.0	5' - 0"	5' - 0"	1' - 0"	N/A	(6)#5 EW			ł				
F5.0X17.0	17' - 0"	5' - 0"	1' - 6"	#7 @12 OC EW	#7 @12 OC EW		1					
F5.0X22.0	22' - 0"	5' - 0"	1' - 6"	#7 @9 OC LONG, 12 OC SHORT	#7 @9 OC LONG, 12 OC SHORT		l			0010055		
F6.0	6' - 0"	6' - 0"	1' - 6"	(8)#5 EW	(8)#5 EW					CONCRET	E PIER SCHEDU	JLE
				1			MARK	WIDTH	LENGTH	VERT REINFORCI	HORIZ NG REINFORCING	COMMENTS
							P1	2' - 0"	2' - 4"	(12)#5	#3 CLOSED TIE	S

**CIVIL DRAWINGS NOT PROVIDED DURING DESIGN.** FOUNDATIONS ARE BASED ON FLAT SITE. SIGNED AND SEALED CIVIL DRAWINGS ARE REQUIRED TO BE PROVIDED TO EOR PRIOR TO CONSTRUCTION FOR FOOTING **ELEVATION COORDINATION. FOOTINGS MUST BEAR AT** LEAST 24" BELOW ADJACENT EXTERIOR GRADE.

FOU	NDATION PLAN NOTES:
1.	ALL INTERIOR FOOTING ELEVATIONS ARE RELATIVE TO FINISHED FLOOR.

-2'-0" TO TOP OF FOOTING
UNLESS NOTED OTHERWISE.

ALL EXTERIOR FOOTING ELEVATIONS ARE RELATIVE TO FINISHED FLOOR. 2.

# -2'-0" TO TOP OF FOOTING UNLESS NOTED OTHERWISE.

ALL EXTERIOR PIER ELEVATIONS ARE RELATIVE TO FINISHED FLOOR. 3.

# -0'-8" TO TOP OF PIER UNLESS NOTED OTHERWISE.

- COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL PLANS AND DETAILS. COORDINATE ALL CONDUIT EMBEDMENTS AND PLUMBING STUB-UP LOCATIONS WITH ELECTRICAL AND PLUMBING PLANS AND DETAILS AND ALL PRIME CONTRACTORS. COORDINATE WITH ELECTRICAL PLANS AND DETAILS AND ELECTRICAL CONTRACTOR FOR REINFORCEMENT BONDING TO GROUND SYSTEM. FOUNDATION WALLS HAVE NOT BE DESIGNED FOR CONSTRUCTION LOADS. AFTER ACHIEVING FINISHED SUBGRADE IN CUT AREAS, AND PRIOR TO PLACEMENT OF STRUCTURAL FILL IN AREAS BELOW FINISHED SUBGRADE, THE EXPOSED SUBGRADE SHALL BE EVALUATED BY A GEOTECHNICAL ENGINEER TO CONFIRM ALL UNSUITABLE MATERIALS HAVE BEEN REMOVED. 9. FOUNDATIONS SHALL NOT BE CONSTRUCTED OVER EXISTING FILL MATERIALS UNLESS SPECIFICALLY APPROVED A LICENSED GEOTECHNICAL ENGINEER. CHANGES IN BLOCK SIZE MUST RETAIN RUNNING BOND PLACEMENT. 10. = MASONRY CONTROL JOINT
- $\langle 1 \rangle$  = 8" CMU, REFER TO DETAILS FOR REINFORCING

- $\langle 4 \rangle$  = 10" CMU KNEE WALL, REINFORCE W/ (1) #5 @ 48" OC [EDGE SPACING], REFER TO DETAILS FOR REINFORCING AT OPENINGS

	MASONRY PILASTER SCHEDULE							
MARK	IARK THICKNESS WIDTH VERT REINF COMMENTS							
MP1	9 5/8"	1'-4"	(2) #5 EA CELL	EDGE SPACING, NO HORIZ TIES				
MP2	7 5/8"	1'-4"	(2) #5 EA CELL	EDGE SPACING, NO HORIZ TIES				
MP3	7 5/8"	4'-0"	(2) #5 EA CELL	EDGE SPACING, NO HORIZ TIES				
MP4	11 5/8"	1'-4"	(2) #5 EA CELL	EDGE SPACING, NO HORIZ TIES				

 $\langle 2 \rangle$  = 8" CMU FULL HEIGHT WALL, REINFORCE W/ (2) #5 @ 32" OC [EDGE SPACING], 1 REINFORCED FILLED CELLS ES OF OPENINGS UNLESS OTHERWISE NOTED

3 = 10" CMU FULL HEIGHT WALL, REINFORCE W/ (2) #5 @ 32" OC [EDGE SPACING], REFER TO DETAILS FOR REINFORCING AT OPENINGS

Image: Seal Sale Signed and Seal Seal Seal Signed and Seal Seal Seal Signed and Seal Seal Seal Seal Seal Seal Seal Seal	Lars 3000 V CRAN MAVIS 358 SAV MILLWC (914) 98 CLIENT	on Archi VESTING SUIT BERRY (724) 5 S TIRE W MILL F DOD, NY 34-2500	itectura GHOUS FE 400 TWP, F 591-856 SUPF RIVER F 10546	Al Gro DE D PA 1 S2 PLY ROAL	<b>Dup</b> RIV 660 <i>T</i> , LL	E 6 _C
MAVIS TIRES & BRAKES #2266 - SANFORD,NC         1605 BUFFALO LAKE ROAD SANFORD, NC 27332         1605 BUFFALO LAKE ROAD SANFORD, NC 27332         Image: Contract of the image of the	This item has Brett C. Ryla signature. P considered s on any elect	SI SI SI SI SI SI SI SI SI SI SI SI SI S	EAL 5503 INEE above usin above usin of this doce saled and n	and seaa g a dig ument a nust be	lied by ital are no verifie	
MAVIS TIRES & BRAKES #2266 - SANFORD,NC         1605 BUFFALO LAKE ROAD SANFORD, NC 27332         1605 BUFFALO LAKE ROAD SANFORD, NC 27332         FOUNDATION PLAN					PERMIT SUBMISSION	COMMENTS
MAVIS TIRES & BRAKES #2266 - SANFORD,NC 1605 BUFFALO LAKE ROAD SANFORD, NC 27332 FOUNDATION PLAN					11/20/2024	tk DATE
MAVIS TIRES & BRAKES #2266 - SANFORD,NC 1605 BUFFALO LAKE ROAD SANFORD, NC 27332 FOUNDATION PLAN	F				7 <b> </b> { 5 @	MAF
	MAVIS TIRES & BRAKES #2266 - SANFORD,NC	1605 BUFFALO LAKE ROAD SANFORD, NC 27332		FOUNDATION PLAN		

![](_page_33_Figure_0.jpeg)

![](_page_33_Picture_1.jpeg)

	STRUCTURAL COLUMN BASE PLATE SCHEDULE						
MARK	LENGTH	WIDTH	TH PLATE ANCHORAGE				
BP1	1'-2"	1'-2"	3/4"	(4) 3/4" THREADED HEADED ANCHOR RODS (ASTM F1554 GR 36), E=8", P=5"			
BP2	0'-11"	0'-11"	3/4"	(4) 3/4" THREADED HEADED ANCHOR RODS (ASTM F1554 GR 36), E=12", P=5"			

- CJ INDICATES CONSTRUCTION JOINT RE: 3/S-300 10.
- CTJ INDICATES CONTROL JOINT RE: 4/S-300 11.
- 12. CJ/CTJ DEPTH: 4" SLAB - 1" DEEP
- 6" SLAB 1 1/2" DEEP
- 8" SLAB 2" DEEP 13. 6"-8" HIGH CMU WALL TO BE BUILT AFTER STORAGE RACK SYSTEM IS INSTALLED.

![](_page_33_Figure_22.jpeg)

![](_page_34_Figure_0.jpeg)

![](_page_34_Picture_1.jpeg)

DECK FASTENER SCHEDULE							
AREA	DECK	DECK TO STEEL MEMBER CONNECTORS	SIDE LAP CONNECTORS				
ROOF	1.5B-20 GA	5/8" PUDDLE WELDS 36/4 PATTERN	#10 TEK SCREWS 2 SCREW PER SPAN				

REFER TO DECK FASTENER SCHEDULE FOR REQUIRED DECK TO STEEL MEMBER CONNECTOR PATTERN

PERIMETER, EDGES, COLLECTORS, AND STRUTS = 5/8" PUDDLE WELDS AT 6" OC UNLESS OTHERWISE NOTED

![](_page_34_Figure_6.jpeg)

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Project No.: 11432-187

Sheet No.:

![](_page_35_Figure_0.jpeg)

PLATE WASHER SCHEDULE						
ANCHOR BOLT DIAMETER (IN)	BASE PLATE HOLE DIA (IN)	MIN WASHER SIZE (IN)	MIN WASHER THICKNESS (IN)			
3/4	1 5/16	2	1/4			
1	1 7/8	3	3/8			
1 1/4	2 1/8	3 1/2	1/2			
1 1/2	2 3/8	4	1/2			
1 3/4	2 7/8	4 1/2	5/8			
2	3 1/4	5	3/4			
0.4/0	0.0/4	5.4/9	7/0			

![](_page_36_Figure_0.jpeg)

![](_page_37_Figure_0.jpeg)

![](_page_37_Figure_8.jpeg)

![](_page_38_Figure_0.jpeg)

![](_page_39_Figure_0.jpeg)

![](_page_40_Figure_0.jpeg)

Larson Architectural Group 3000 WESTINGHOUSE DRIVE 3" EOD~ SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562 MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 (914) 984-2500 PL3/16X4X0'-4" TYP -----CLIENT TH CARO 1/8 / SEAL 33503 L2X2X3/16 AT 5'-0" OC MAX TO JOIST PANEL POINTS This item has been digitally signed and seale Brett C. Rylands on date above using a digit signature. Printed copies of this document al considered signed and sealed and must be v on any electronic copies. DECK BEARING ON W BEAM AT EXTERIOR (4) <u>SCALE: 3/4" = 1'-0"</u> NOTCH PL TO CLEAR, TYP 1/4" GAP, BACKROD AND SEALANT (COLOR TO MATCH) 8 PLATE AT HSS DETAILING AT ENDS SCALE: 3/4" = 1'-0" - SANFORD,NC DRD, NC 27332 12" CMU ORD, FRAMING DETAILS & BRAKES #2266 - S D LAKE ROAD SANFOR 3/16 1/2" ES 3/16 2 1/2 ଷ ଠ TIRES BUFI MAVIS S 160 FLANGE REMOVED AT HSS FOR WELD ACCESS REAR, TOP, AND BTM 3/16 / Project No.: 11432-187 Sheet No.: 11 HSS HEADER TO 10" CMU (STOREFRONT) 12" CMU SIM S-402

BASED ON 8-BAY DOUBLE SIDED PROTOTYPE DATED NOV 22 2023

![](_page_41_Figure_0.jpeg)

![](_page_41_Figure_1.jpeg)

![](_page_41_Figure_3.jpeg)

 CONCENTRATED LOAD GREATER
 THAN 100 LBS, REINF JOIST IF
 LOAD IS APPLIED MORE THAN 3"
 AWAY FROM A JOIST PANEL POINT L2X2X3/16 EACH SIDE OF JOIST (TYP) 1/8  $\prec$  TYP EA END

# 2 JOIST REINF FOR CONCENTRATED LOADS SCALE: 3/4" = 1'-0"

![](_page_41_Figure_6.jpeg)

![](_page_42_Figure_0.jpeg)

![](_page_42_Figure_1.jpeg)

![](_page_42_Figure_3.jpeg)

# 2 HUNG SOFFITS (PARALLEL TO JOISTS) SCALE: 3/4" = 1'-0"

![](_page_42_Figure_5.jpeg)

![](_page_42_Picture_7.jpeg)

![](_page_42_Figure_8.jpeg)

![](_page_42_Picture_9.jpeg)

![](_page_42_Figure_10.jpeg)

362S162-54 AT 16" OC MIN AT INTERIOR KNEE WALLS, REFER TO ARCH

 STEEL NETWORK CL362
 W/ (4) #12 TEK SCREWS TO STUDS AND (2) 3/16 X 2 3/4 HEX HEAD CONCRETE SCREWS TO SLAB IN OUTER GUIDE HOLES OF CLIP

SLAB

![](_page_42_Figure_13.jpeg)

![](_page_42_Figure_16.jpeg)

REFER TO ARCH

CONTINUOUS TRACK WITH PAF OR CONCRETE SCREW ANCHORS AT 32" OC MAX

7 TYPICAL INTERIOR WALL BASE SCALE: 3/4" = 1'-0"

MAVIS TIRES & BRAKES #2266 - SANFORD, NC 1605 BUFFALO LAKE ROAD SANFORD, NC 27332	Larso 3000 W CRANE MAVIS 358 SAV MILLWC (914) 98 CLIENT	on Archi VESTING SUIT BERRY (724) 5 STIRE VMILL F DOD, NY 4-2500	itectura GHOUS TE 400 TWP, I 591-856 SUPI SUPI SUPI SUPI CARC SS/07 EAL 3503 INEE SO3	Al Group SE DRIV PA 1660 22 PLY, LI ROAD	
MAVIS TIRES & BRAKES #2266 - SANFORD,NC         1605 BUFFALO LAKE ROAD SANFORD, NC 27332         1605 BUFFALO LAKE ROAD SANFORD, NC 27332         Interior Framing Details         Interior Framing Details	considered si on any electro	igned and second	ealed and r	DERMIT SUBMISSION	COMMENTS
MAVIS TIRES & BRAKES #2266 - SANFORD,NC 1605 BUFFALO LAKE ROAD SANFORD, NC 27332 Interior Framing Details				11/20/2024	AARK DATE
MAVIS TIRES & BRAKES #2266 - SANFORD,NC 1605 BUFFALO LAKE ROAD SANFORD, NC 27332 Interior Framing Details					S 3 3 5 5 5
I	MAVIS TIRES & BRAKES #2266 - SANFORD,NC	1605 BUFFALO LAKE ROAD SANFORD, NC 27332		INTERIOR FRAMING DETAILS	

![](_page_43_Figure_0.jpeg)

FOUNDATION SELECTION								
		SIGN AREA, SQUARE FEET						
	31.5	48.5	70.5	89.5				
EC	F-1	F-4	F-6	F-7				
EC	F-2	F-5	F-7	F-8				
EC	F-3	F-6	F-8	F-9				
EC	F-4	F-7	F-9	F-10				
EC	F-5	F-8	F-10	F-11				
EC	F-6	F-9	F-11	F-12				

			FOUNDATION DESIGN
B, FT	D, FT	VERT REINF	TIES
3'-6"	5'-6"	(12) #5	#3 AT 6" OC TO 6" BELOW ANCHOR BOLTS, 18" OC THEREAFTER
3'-6"	5'-9"	(12) #5	#3 AT 6" OC TO 6" BELOW ANCHOR BOLTS, 18" OC THEREAFTER
4'-0"	5'-9"	(16) #5	#3 AT 6" OC TO 6" BELOW ANCHOR BOLTS, 18" OC THEREAFTER
4'-0"	6'-0"	(16) #5	#3 AT 6" OC TO 6" BELOW ANCHOR BOLTS, 18" OC THEREAFTER
4'-6"	6'-3"	(20) #5	#3 AT 6" OC TO 6" BELOW ANCHOR BOLTS, 18" OC THEREAFTER
4'-6"	6'-6"	(20) #5	#3 AT 6" OC TO 6" BELOW ANCHOR BOLTS, 18" OC THEREAFTER
4'-6"	7'-0"	(20) #5	#3 AT 6" OC TO 6" BELOW ANCHOR BOLTS, 18" OC THEREAFTER
5'-0"	7'-0"	(24) #5	#3 AT 6" OC TO 6" BELOW ANCHOR BOLTS, 18" OC THEREAFTER
5'-0"	7'-6"	(24) #5	#3 AT 6" OC TO 6" BELOW ANCHOR BOLTS, 18" OC THEREAFTER
5'-0"	7'-9"	(24) #5	#3 AT 6" OC TO 6" BELOW ANCHOR BOLTS, 18" OC THEREAFTER
5'-6"	8'-0"	(24) #6	#3 AT 6" OC TO 6" BELOW ANCHOR BOLTS, 18" OC THEREAFTER
5'-6"	8'-3"	(24) #6	#3 AT 6" OC TO 6" BELOW ANCHOR BOLTS, 18" OC THEREAFTER

	POST AND BASE PLATE DESIGN											
	BASE PLATE	ANCHOR BOLTS	EMBEDMENT LENGTH	PL WASHER DIA	PL WASHER THICKNESS							
1/4	12" X 12" X 1 1/4"	1" DIA F1554 GR 36	2'-0"	3"	3/8"							
1/4	14" X 14" X 1 1/4"	1" DIA F1554 GR 36	2'-0"	3"	3/8"							
1/4	14" X 14" X 1 1/4"	1" DIA F1554 GR 36	2'-4"	3"	3/8"							
3/8	14" X 14" X 1 3/8"	1 1/4" DIA F1554 GR 36	2'-4"	3"	1/2"							
3/8	14" X 14" X 1 1/2"	1 1/4" DIA F1554 GR 36	2'-4"	3"	1/2"							
3/8	14" X 14" X 1 1/2"	1 1/4" DIA F1554 GR 36	2'-4"	3"	1/2"							
3/8	16" X 16" X 1 1/2"	1 1/4" DIA F1554 GR 36	2'-8"	3"	1/2"							
3/8	16" X 16" X 1 5/8"	1 1/2" DIA F1554 GR 36	3'-4"	3 1/2"	1/2"							
3/8	16" X 16" X 1 3/4"	1 1/2" DIA F1554 GR 36	3'-4"	3 1/2"	1/2"							
3/8	18" X 18" X 1 3/4"	1 1/2" DIA F1554 GR 36	3'-4"	3 1/2"	1/2"							
3/8	18" X 18" X 2"	1 1/2" DIA F1554 GR 36	3'-4"	3 1/2"	1/2"							
3/8	18" X 18" X 2"	1 3/4" DIA F1554 GR 36	4'-0"	4"	5/8"							
NC	NOTE: WELD FROM COLUMN TO BASE PLATE TO DEVELOP TENSION CAPACITY OF HSS SECTION											

DRAWINGS ARE FOR COORDINATION ONLY.	
SIGN SPECIFICATION & COORDINATION	
1. GENERAL SIGN NOTES: A. ALL SIGNAGE THIS SHEET TO BE INST	TAL
B. REFER TO RESPONSIBILITY SCHEDUI	:ON LE
SIGN RESPONSIBILITY.	NG
SHALL BE BY THE GENERAL CONTRA	.CT & SI
SOON AS POSSIBLE AFTER THE SIGN CLOSE UP THE BACK SIDE OF WALL U	I W
E. ALL FINAL CONNECTIONS SHALL BE N	MAI
F. FOUNDATION CONTRACTOR (SUB TO REQUIREMENTS WITH SIGN CONTRAC	CT
G. FOUNDATION CONTRACTOR (SUB TO FROM GENERAL CONTRACTOR.	) Gl
H. GENERAL CONTRACTOR SHALL SUPF	PLY
2. CONCEALED SIGN SUPPORT NOTES: A. CONTRACTOR SHALL PROVIDE CONC	CEA
B. WHERE CONTINUOUS LETTERING SIG	RE GNS
MEMBERS AT TOP AND BOTTOM OF S LETTERING SIGNS OVER 20'-8 3/4", PR BOTTOM OF SIGNS.	31G 20\
C. WHERE INDIVIDUAL LETTER SIGNS AF AND BOTTOM OF SIGNS.	RE
3. ELECTRICAL SIGN NOTES: A. PROVIDE SEPARATE MAIN FLECTRI	IC S
WALL. PROVIDE CONDUIT, FEED AN JUNCTION BOXES FOR EACH LOCA PROVIDE ELECTRIC SERVICE CAPA	ID . TIC .CIT
B. NO WIRES SHALL BE VISIBLE BETW	ΕE
4. SIGN CONTRACTOR (SUB TO GENERAL CON A. FOLLOW DRAWINGS AND SPECIFICA	TR/ TIO
DIMENSIONS, CONTOURS, SHAPES A SPECIFIED. B. SIGN CONTRACTOR (SUB TO GENER/ SHOP DRAWINGS TO MAVIS TIRE FOF	.NC AL R F
C. SIGN CONTRACTOR (SUB TO GENER/ WITH ALL APPLICABLE CODES AND O	AL )RE
D. SIGN CONTRACTOR (SUB TO GENERA FOR MONUMENT SIGN. MASONRY CO INSTALL SIGNAGE ANCHORS PER MC	AL )NT )NU
5. SIGN INSTALLATION AT BUILDING FACE:	Δ1
WALL. MEASURE LOCATION OF EACH 1/2" GALVANIZED CONDUIT AND HOUS CONDUIT PROJECT THROUGH WALL	I EI SIN 1 1
B. SIGN CONTRACTOR (SUB TO GENER/ SWITCH ON EXTERIOR OF SIGN FOR	AL EA
CODES. EACH SIGN SHALL BE ACTIV WITH MANUAL OVERRIDE SWITCH. EI CONTRACTOR) TO FURNISH PHOTO C	
6. SIGN INSTALLATION AT PYLON/MONUMENT S A. THE FOUNDATION WITH STUBBED-IN	SIG CC
B. THE SIGN SHALL BE PERPENDICULAR	ר ארו זרי
C. THE SIGN WILL BE ELECTRIFIED AS S	;OC
D. SIGNS, STRUCTURAL POSTS AND INS	ЗТΑ
E. SIGN SHALL BE ORIENTED FOR WORI	DS
7. STRUCTURAL SIGN NOTES: A. ALL ALUMINUM SURFACES IN CONTA	СТ
BITUMASTIC PAINT. ALL STEEL SHALL B. STRUCTURAL STEEL PLATES SHALL I	- R BE
C. ALL STRUCTURAL STEEL SHALL COM	IPL
D. ANCHOR BOLTS TO BE ASTM F1554 G	R
E. ALLOWABLE SOIL PRESSURE: 1500 P.	.S.I

DOR AS A SEPARATE PERMIT

LLED BY GENERAL CONTRACTOR. SIGNAGE TO BE NTRACTOR SHALL COORDINATE ALL WORK. E ON SHEET CS-100 FOR EXTERIOR BUILDING

S SIGN SUPPORTS AND ELECTRICAL POWER SUPPLY TOR.

SIGN CONTRACTOR (SUBS TO GENERAL CONTRACTOR) AS VALL OR STRUCTURE IS IN PLACE. CONTRACTOR SHALL NOT NTIL SUB CONTRACTORS HAVE COMPLETED THEIR WORK. ADE BY SIGN CONTRACTOR (SUB TO GENERAL CONTRACTOR.)

ENERAL CONTRACTOR) SHALL VERIFY PERMIT TOR (SUB TO GENERAL CONTRACTOR.)

GENERAL CONTRACTOR) SHALL OBTAIN BOLT CAGE

Y, INSTALL, AND PAINT FREESTANDING POLE AT PYLON SIGN.

ALED CONTINUOUS PRESSURE TREATED STRUCTURAL E STUD OR RAFTER TYPE FRAMING OCCURS.

NS ARE SHOWN, PROVIDE 2 CONCEALED 2 X 6 GNS FOR ALL SIGNS UP TO 20'-8 3/4". CONTINUOUS VIDE 2 CONCEALED 2 X 8 MEMBERS AT TOP AND

SHOWN, PROVIDE 2 CONCEALED 2 X 6 MEMBERS TOP

SERVICE PANEL AND FEEDS TO THE BACK SIDE OF EACH SIGN JUNCTION BOXES ALONG BACK SIDE OF SIGN WALL. PROVIDE ION WHERE CONDUIT HOUSING IS PROVIDED THROUGH WALL. ITIES AND CIRCUITS AS SHOWN ON ELECTRICAL DRAWINGS.

EEN WORDS OF ILLUMINATED EXTERIOR BUILDING SIGNS (TYP.) RACTOR):

ONS OF SIGNS AND USE TEMPLATES OF APPROVED D WITH ELECTRICAL COMPONENTS & CAPACITIES AS CONTRACTOR) SHALL FURNISH FOUR SETS OF

REVIEW AND APPROVAL PRIOR TO FABRICATION.

CONTRACTOR) SHALL CONSTRUCT SIGN IN COMPLIANCE DINANCES, AND ACCORDING TO UNDERWRITERS TO BEAR U.L. LABELS. SIGN CONTRACTOR (SUB TO IN ALL ELECTRICAL SIGN-OFFS.

CONTRACTOR) SHALL PROVIDE SIGNAGE ANCHORS TRACTOR (SUB TO GENERAL CONTRACTOR) TO UMENT SIGN DETAILS.

CONTRACTOR) SHALL ESTABLISH CENTER LINE OF SIGN LECTRIC LEAD FROM THE CENTER OUTWARD. PROVIDE NG THROUGH 1 1/4" GROUND HOLES. LET THREADED 1/2".

CONTRACTOR) SHALL PROVIDE A DISCONNECT ACH CIRCUIT TO COMPLY WITH STATE AND LOCAL ED BY APPROVED PHOTO CELL AND TIME SWITCH CTRICAL CONTRACTOR (SUB TO GENERAL ELL, TIME SWITCH, AND MÀNUAL OVERRIDE SWITCH.

IGN: CONDUITS WILL BE INSTALLED AT THE EARLIEST POSSIBLE DATE.

TO THE MAJOR STREET. FOR ANY VARIATION TO ABOVE, PER ORIENTATION AS APPROVED BY MAVIS.

ON AS POSSIBLE AFTER INSTALLATION. ALLATION SHALL BE PER CODE.

TO BE ON ROAD SIDE AND TIRES TO BE ON BUILDING SIDE.

WITH STEEL SHALL RECEIVE ONE COAT OF RECEIVE ONE SHOP COAT OF RUST INHIBITIVE PAINT.

E ASTM A36, STRUCTURAL HSS SHALL BE ASTM A1085

PLY WITH THE AISC MANUAL, LATEST EDITION.

36

.F. MIN.

A615-60

![](_page_43_Picture_37.jpeg)

Larson Architectural Group 3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562

MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 (914) 984-2500

![](_page_43_Figure_40.jpeg)

1

#2266

BRAKES

S

MAVIS

<u>v</u> O

TIRE: BUFF/

S 00

Ο

SANF

 $\square$ 

ROAI

LAKE

POLE MOUNTED

BASED ON 8-BAY DOUBLE SIDED PROTOTYPE DATED NOV 22 2023

S-500

Project No.: 11432-187

Sheet No.:

![](_page_44_Figure_0.jpeg)

![](_page_44_Figure_1.jpeg)

FOUNDATION SELECTION (MONUMENT) 6 FOUNDAT SCALE: 1/2" = 1'-0"

![](_page_44_Figure_3.jpeg)

4 FOUNDATION DESIGN (MONUMENT) SCALE: 1/2" = 1'-0"

![](_page_44_Figure_5.jpeg)

BASED ON 8-BAY DOUBLE SIDED PROTUTIPE DATED NOV 22 2023	BASE	D ON	8-BAY	DOUBLE	SIDED	PROTOTYPE	DATED	NOV 2	2 2023	
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S-500A

Project No.: 11432-187

Sheet No.:

SIGNS

MONUMENT

C-39
<b>LDG</b>
Larson Architectural Group
3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562
MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 (914) 984-2500
CLIENT
SEAL 33503
This item has been digitally signed and sealed by Brett C. Rylands on date above using a digital signature. Printed copies of this document are not considered signed and sealed and must be verified on any electronic copies.

FOUNDATION SELECTION SIGN AREA, SQUARE FEET 48.5 70.5 89.5 F-2 F-10 F-5 F-11 F-4 F-6 F-6 F-7 F-12 F-13 F-7 F-8 F-8 F-14 F-9 F-8 F-9 F-15

NOTES FOR MONUMENT SIGN:

1. CONCRETE TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI AND BE AIR ENTRAINED

3. GC TO PROVIDE ANCHOR BOLTS AND COORDINATE WITH SIGN INSTALLER FOR CORRECT HARDWARE

2. BASIS OF DESIGN IS EXPOSURE C AND V ULT = 115 MPH PER IBC 2021

FOUNDATION	NDESIGN
REINF. LONG	REINF. SHORT
(3) #5 CONT	#5 @ 12" OC
(3) #5 CONT	#5 @ 12" OC
(3) #5 CONT	#5 @ 12" OC
(4) #5 CONT	#5 @ 12" OC
(4) #5 CONT	#5 @ 12" OC
(4) #5 CONT	#5 @ 12" OC
(4) #5 CONT	#5 @ 12" OC
(5) #5 CONT	#5 @ 12" OC
(5) #5 CONT	#5 @ 12" OC
(6) #5 CONT	(13) #5
(6) #5 CONT	(13) #5
(7) #5 CONT	(13) #5
(7) #5 CONT	(13) #5
(7) #5 CONT	(13) #5
(8) #5 CONT	(13) #5

TIRES & BRAKES #2266 - SANFORD,NC	DITERALO LAKE DOAD SANEODD NO 37333
MAVIS TIRES &	

![](_page_45_Figure_0.jpeg)

LIGHT POLE BASE DESIGN CHART									
OVERALL HEIGHT	WIND	BEARING DEPTH							
	110 MPH	4'-10"							
	120 MPH	5'-4"							
20 ET	130 MPH	5'-6"							
20 F 1	140 MPH	5'-10"							
	150 MPH	6'-2"							
	160 MPH	6'-6"							
	110 MPH	5'-8"							
	120 MPH	6'-0"							
25 ET	130 MPH	6'-4"							
2311	140 MPH	6'-8"							
	150 MPH	7'-0"							
	160 MPH	7'-4"							
	110 MPH	6'-4"							
	120 MPH	6'-8"							
30 FT	130 MPH	7'-0"							
	140 MPH	7'-4"							
	150 MPH	7'-10"							
	160 MPH	8'-2"							

CMU DUMPSTER WALLS/FOOTINGS DESIGN CHART										
JLT WIND DESIGN VELOCITY	DIM "F"	DIM "E"	WALL VERTICAL REINFORCEMENT							
10 MPH	2' - 0"	1' - 4"	(2) #5 [EDGE SPACING] @ 48"							
120 MPH	2' - 0"	1' - 4"	(2) #5 [EDGE SPACING] @ 40"							
130 MPH	2' - 0"	1' - 4"	(2) #5 [EDGE SPACING] @ 40"							
140 MPH	2' - 0"	1' - 4"	(2) #5 [EDGE SPACING] @ 32"							
150 MPH	2' - 0"	1' - 4"	(2) #5 [EDGE SPACING] @ 24"							
160 MPH	2' - 0"	1' - 4"	(2) #5 [EDGE SPACING] @ 24"							

1. WIND SPEEDS INDICATED ARE ULTIMATE, EXPOSURE C. REFER TO BUILDING GENERAL NOTES FOR WIND VELOCITY. CONCRETE IS 3000 PSI NORMAL WEIGHT. WHERE SUBJECTED TO FREEZE/THAW CONDITIONS, CONCRETE SHALL BE 4500 PSI WITH 6% (±1%) AIR ENTRAINMENT.

![](_page_45_Figure_7.jpeg)

# 3 DUMPSTER ENTRY DETAIL SCALE: 3/4" = 1'-0"

![](_page_45_Picture_10.jpeg)

Larson Architectural Group 3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562

MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 (914) 984-2500

![](_page_45_Picture_13.jpeg)

![](_page_46_Figure_0.jpeg)

	ROOFTOP UNIT SCHEDULE																	
SYMBOL	UNIT I														PHYSICA	L PROPERTIES		
	MANUFACTURER	TURER MODEL		FAN				COOLING			GAS HEA	Т	ELE	CTRICAL		WEICHT	DIMENSIONS	
			CFM (TOTAL)	CFM (O/A)	ESP ("WC)	HP	TOTAL MBH	EER	IEER	INPUT MBH	OUTPUT MBH	EFFICIENCY (%)	VOLTS/ PHASE	МСА	MOP	(LBS)	(INCHES) HGT×LEN×WTH	REMARKS
RTU-1	AMERICAN STANDARD	YSC102	3200	425	0.6	2.75	106.5	11.2	13.4	120	97.2	81	208/3ø	45.0	60	1262	47x53 <u></u> 4x88 <u></u> 2	-
NOTES: 1. A	<u>NOTES:</u> . ALL ROOFTOP UNITS SHALL BE AS SCHEDULED.																	

FACTORY FABRICATED ROOF CURB. FACTORY INSTALLED INPUT CIRCUIT BREAKER DISCONNECT.

FACTORY INSTALLED LOW LEAK ECONOMIZER WITH FAULT DETECTION & DIAGNOSTICS SINGLE ENTHALPY CONTROL AND BAROMETRIC RELIEF.

PROGRAMMABLE THERMOSTAT WITH OPTIMUM START CONTROL. PROVIDE UNIT WITH FACTORY INSTALLED RETURN AIR SMOKE DETECTOR.

MULTI-SPEED SUPPLY FAN.

	EXHAUST FAN SCHEDULE												
SYMBO	UNIT DATA			SD						ROOF OPENING (IN	CONTROLS		
STMDOL	MANUFACTURER	MODEL	CFM	(IN WG)	FAN TYPE	DRIVE	HP	RPM	VOLTS/PHASE	INCHES)	oor mole		
EF-1	FLO AIRE	DR10H	225	0.375	ROOF CENTRIFUGAL	DIRECT	1/6	1456	120∨/1	13 X 13	INTERLOCK W/ LIGHTS	RESTROOMS	
EF-2	FLO AIRE	DR85H	2500	0.25	ROOF CENTRIFUGAL	DIRECT	3/4	1360	120V/1	20 X 20	ON/OFF	REPAIR BAY	

1. PROVIDE ROOF CURB AND BIRDSCREEN.

2. FOR EF-2: PROVIDE STARTER WITH H-O-A, PILOT LIGHT, AUXILIARY CONTACT (RATED NEMA 1).

	GAS UNIT HEATER SCHEDULE													
	SYMBOL	MANUFACTURER	MODEL	TYPE	CFM	FAN HP	MBH INPUT	MBH OUTPUT	STAGES	MIN GAS PRESSURE (IN W.G.)	VENT SIZE	VOLTS/ PHASE	CONTROLS	REMARKS
	GUH-1	STERLING	XF 125	NAT GAS	1600	1/4	125	103.7	1	7"	5"	1207/1	24V- CONNECTED TO THERMOSTAT	WALL MOUNT BRACKET
	GUH-2	STERLING	XF 125	NAT GAS	1600	1/4	125	103.7	1	7"	5"	120//1	24V- CONNECTED TO THERMOSTAT	WALL MOUNT BRACKET
1	NOTES:													

1. PROVIDE UNIT STANDARD COLOR AS SELECTED BY OWNER.

ICT LEGEND		HVAC - ABBREV	<u>ATIONS</u>			HVAC - C
	AV	AUTOMATIC AIR VENT	FPM	FEET PER MINUTE	1	COORDINATE +
	AFF	ABOVE FINISH FLOOR	FPS	FEET PER SECOND	2.	
	AFG	ABOVE FINISH GRADE	LAT	LEAVING AIR TEMPERATURE	3.	INSTALL DUCT
FLOW	AHU	AIR HANDLING UNIT	LF	LINEAR FOOT	0.	OF DUCTWORK
	AMB	AMBIENT	LVR	LOUVER		
	APD	AIR PRESSURE DROP	LWT	LEAVING WATER TEMPERATURE		
	ACC	AUTOMATIC CONTROL CONTRACT	М	MOTORIZED DAMPER		D. REIURN
	BMS	BUILDING MANAGEMENT SYSTEM	MAV	MANUAL AIR VENT		c. EXHAUST
	BJ	BETWEEN JOIST	MAX	MAXIMUM		PROVIDE TURN
	BOD	BOTTOM OF DUCT	MBH	BTU (1000's)		DUCI WIDTH.
	BOF	BOTTOM OF FOOTING	MC	MECHANICAL CONTRACTOR	4.	INSTALL ALL V
	BOG	BOTTOM OF GRILL	MD	MANUAL DAMPER	5.	REFLECTED CI
	BOP	BOTTOM OF PIPE	MFR	MANUFACTURER		INTAKES AND
	BOS	BOTTOM OF STEEL	MIN	MINIMUM		THIS CONTRAC
	вот	ВОТТОМ	NIC	NOT IN CONTRACT		AREA TO AGRI
	BOW	BOTTOM OF WALL	NTS	NOT TO SCALE	6.	ALL SCHEDUL
	BTU	BRITISH THERMAL UNIT	0A	OUTSIDE AIR		TARGET MOTO
	BTUH	BRITISH THERMAL UNIT PER HOUR	PC	PLUMBING CONTRACTOR		A RESULT INC
	BTWN	BETWEEN	PP	PLIMP PRESS PRESSURE	7.	INSTALL ALL
	CAP	CAPACITY	PRV	PRESSURE REDUCING VALVE		INSTRUCTIONS.
	CD	CFILING DIFFUSER	PSIG	POUNDS PER SOLLARE INCH GALIGE	8.	ALL CASEWO
	CFM	CUBIC FEET PER MINUTE	RA	RETURN AIR		SPECIFICATION
	CO	CLEAN OUT	RAG	RETURN AIR GRILLE		AND MATERIAL
	COP	COFFFICIENT OF PERFORMANCE	RF	RETURN FAN		RELIEVE THE
	CT	COOLING TOWER	RH	REHEAT	9.	REFER TO AR
	CU	CONDENSING UNIT	RPM	REVOLUTIONS PER MINUTE	0.	WORK REQUIR
	CUH	CABINET UNIT HEATER	RTU	ROOF TOP LINIT	10	MECHANICAL (
	CVR	CONVECTOR	RTU RV		10.	
	DR		S S			
			5			THE ARCHITEC
			SA E		11	
N		DIAMETER	Г СПТ	SUFFLI FAN	11.	
						WORK MU
			SP	STATIC PRESSURE	10	
					12.	PROVIDE FLEA
						CUDDLY AND
		ENTERING AIR TEMPERATURE			47	SUPPLI AND
		ENERGY FEELCIENCY RATIO			13.	4 HIGH CONC
					14.	DO NOT INST
		ELECTRICAL CONTRACTOR	ITP		. –	KEEP THIS SP
			UH		15.	DUCTWORK TO
KE-OFF (WITH VOLUME DAMPER)		EXHAUST GRILLE	UV			OR DETAILS.
		EFFICIENCY EVENNEION TANK	VED	VARIABLE FREQUENCY DRIVE	16.	FOR ALL BRA
	EI		VIR	VENT THROUGH ROOF		ROUND DUCT.
			WAC	WINDOW AIR CONDITIONER		BRANCH RUN
	ESP	EXTERNAL STATIC PRESSURE	WB	WEI BULB	17.	PROVIDE TURN
		ENTERING WATER TEMPERATURE	WC	WATER COLUMN		DUCT WIDTH.
	EXIST	EXISTING	WHP	WATER SOURCE HEAT PUMP	18.	SLEEVE AND
	F		WPD	WATER PRESSURE DROP		AND SLEEVE \
	FD		WTR	WATER		WITH INSULAT
	FC	FLEXIBLE CONNECTION				MAINTAINING II
	FCU	FAN COIL UNIT				

NOTE: THE ABOVE LIST OF ABBREVIATIONS IS STANDARD. ALL ABBREVIATIONS DO NOT NECESSARILY APPEAR ON THE DRAWINGS

	ELECTRIC HEATER SCHEDULE										
SYMBOL	MANUFACTURER	MODEL	WATTS	VOLTS/ PHASE	CONTROLS	REMARKS					
EH	MARKEL	E4375TW	750	120V/1	INTEGRAL THERMOSTAT	MOUNT 4' A.F.F.					

	VENTILATION CALCULATIONS									
PUBLIC AREAS (RTU-1)										
ROOM	AREA (NET SF)	NUMBER OF PEOPLE	MIN OA (CFM/PER)	MIN OA (CFM/SF)	BREATHING ZONE MIN OA (CFM)	ZONE OA (CFM)	AIR EFFECTIVENESS			
SHOWROOM	1,377 SF	21	7.5	0.12	323 CFM	404 CFM	0.8			
STAFF ROOM	82 SF	2	5	0.06	15 CFM	19 CFM	0.8			
MEN'S RR	47 SF	0	0	0	0	0	0.8			
VOMEN'S RR	49 SF	0	0	0	0	0	0.8			
STAFF RR	51 SF	0	0	0	0	0	0.8			
TOTALS					323 CFM	423 CFM				
		SH	OP AND STO	ORAGE ARE	AS					
	NATURAL	VENTILATION			MECHANICA	L EXHAUST				
SF OF IOP/STORAGE AREAS	OF MINIMUM OPENABLE AREA (CONSTANT)	MINIMUM SF OF OPENABLE AREA REQUIRED	OPENABLE AREA PROVIDED	SF OF SHOP AREA	EXHAUST RATE (CONSTANT)	MINIMUM CFM OF MECHANICAL EXHAUST REQ.	CFM OF EF-2 PROVIDED			
5,154 SF	0.04*	207 SF	1,680 SF	3,124 SF	0.75 CFM/SF	2,343 CFM	2,500 CFM			
ES: E SERVICE AREA NTILATION PER S	ے۔ & TIRE STORAGE ARE CMC 403.	A SHALL BE NATURALL	Y VENTILATED PER SCM	IC SECTION 402, AS V	NELL AS A 2,500 CFM E	EXHAUST FAN TO PRO	VIDE MECHANICAL			

WEATHER TIGHT.

		VENTI	LATION C	ALCULA	TIONS			
			PUBLIC ARE	EAS (RTU-1)				
ROOM	AREA (NET SF)	NUMBER OF PEOPLE	MIN OA (CFM/PER)	MIN OA (CFM/SF)	BREATHING ZONE MIN OA (CFM)	ZONE OA (CFM)	AIR EFFECTIVENESS	
SHOWROOM	1,377 SF	21	7.5	0.12	323 CFM	404 CFM	0.8	
STAFF ROOM	FAFF ROOM         82 SF         2         5         0.06         15 CFM         19 CFM						0.8	
MEN'S RR	47 SF	0	0	0	0	0	0.8	
WOMEN'S RR	49 SF	0	0	0	0	0.8		
STAFF RR	51 SF	0	0	0	0	0	0.8	
TOTALS					323 CFM	423 CFM		
		SH	IOP AND STO	ORAGE ARE	AS			
	NATURAL	VENTILATION		MECHANICAL EXHAUST				
SF OF SHOP/STORAGE AREAS	OF MINIMUM OPENABLE AREA (CONSTANT)	MINIMUM SF OF OPENABLE AREA REQUIRED	OPENABLE AREA PROVIDED	SF OF SHOP AREA	EXHAUST RATE (CONSTANT)	MINIMUM CFM OF MECHANICAL EXHAUST REQ.	CFM OF EF-2 PROVIDED	
5,154 SF	0.04*	207 SF	1,680 SF	3,124 SF	0.75 CFM/SF	2,343 CFM	2,500 CFM	

\*NATURAL VENTILATION AREA REQUIREMENT: THE MINIMUM OPENABLE AREA TO THE OUTDOORS SHALL BE 4% OF THE FLOOR AREA BEING NATURALLY VENTILATED PER IMC 402.2.

# <u>GENERAL NOTES</u>

HVAC AND PLUMBING WORK WITH ALL OTHER TRADES. ONS AND PIPE SIZES ARE IN INCHES, UNLESS OTHERWISE NOTED. TWORK IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS. PRESSURE CLASSIFICATION K IS TO BE AS FOLLOWS:

RNING VANES IN ALL MITERED ELBOWS, OR PROVIDE ELBOWS WITH CENTER LINE RADIUS EQUAL TO 1.5 TIMES WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.

CEILING PLANS FOR ANY AND ALL AREAS PREPARED BY THE ARCHITECT SHOWING THE LOCATION OF AIR OUTLETS SHALL TAKE PRECEDENCE OVER THE LOCATION OF THOSE SHOWN ON THE HVAC DRAWINGS OF ACT SET OF DRAWINGS. THIS SUBCONTRACTOR SHALL INSTALL THE AIR INTAKES AND OUTLETS IN ANY GIVEN REE WITH THE ARCHITECT'S REFLECTED CEILING PLANS. LED MOTOR DATA AND ELECTRICAL CHARACTERISTICS ARE MAXIMUM. WHERE EQUIPMENT IS SUPPLIED WITH DRS OR ELECTRICAL CHARACTERISTICS THE HC TO COORDINATE WITH THE EC AND PAY FOR ALL CHANGES AS

CREASED CAPACITY. EQUIPMENT AND MATERIALS IN STRICT ACCORDANCE WITH RESPECTIVE MANUFACTURER'S WRITTEN

DRK AND ALL EQUIPMENT - MECHANICAL CONTRACTOR MUST REVIEW THE EQUIPMENT SCHEDULES, NS, AND DRAWINGS IN ALL CONTRACT DOCUMENTS AND SUBSEQUENT SHOP DRAWINGS. PROVIDE ALL LABOR LS FOR A COMPLETE AND OPERABLE SYSTEM AS PART OF THE CONTRACT. FAILURE TO REVIEW DOES NOT CONTRACTOR OF FULFILLING THE CONTRACTUAL OBLIGATIONS. RCHITECTURAL DRAWINGS AND SHOP DRAWINGS FOR FINAL EXACT LOCATIONS CONNECTIONS AND FOR ALL RED FOR EQUIPMENT NOT FURNISHED UNDER THIS CONTRACT.

CONTRACTOR TO FIELD MEASURE AND/OR REVIEW ALL PERTINENT DOCUMENTS TO ASSURE LAYOUTS SHOWN RAWINGS ARE COMPATIBLE WITH AVAILABLE SPACE AND WORK OF OTHER TRADES, AND ARE IN DRAWINGS. WITH LAYOUTS SHOWN ON GENERAL CONTRACT ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF CT FOR CLARIFICATION PRIOR TO SUBMITTING EQUIPMENT SHOP DRAWINGS. CONTRACTOR IS CAUTIONED THAT LIMITED SPACE IS AVAILABLE IN WITH AND CROSS IN CEILING CAVITY. ALL JUST BE COORDINATED WITH SPACE AND EQUIPMENT. PROVIDE ALL OFFSETS REQUIRED TO ACCOMMODATE

HER TRADES. XIBLE CONNECTIONS AT UNIT SUPPLY AND RETURN CONNECTIONS. OFFSET AND TRANSITION SUPPLY AND TWORK AS REQUIRED TO AVOID STRUCTURE. PROVIDE MITERED ELBOWS WITH TURNING VANES AT BOTTOM OF RETURN DUCT DROPS.

ICRETE HOUSEKEEPING PAD BY MECHANICAL CONTRACTOR. TALL ANYTHING WITHIN THE EQUIPMENT TROUBLESHOOTING SPACE. COORDINATE WITH OTHER TRADES TO PACE CLEAR. COORDINATE WITH TRUSSES IN SUCH A MANNER THAT EQUIPMENT SHALL CLEAR TRUSS WORK. O BE INSULATED WITH FIBERGLASS FLEXIBLE BLANKET INSULATION UNLESS OTHERWISE NOTED ON DRAWING JACKETS SHALL BE NOTED ON THE DRAWINGS. ANCH DUCT CONNECTIONS TO MAIN TRUNK, PROVIDE 45 DEGREE TRANSITION FITTING OR CONICAL TAP FOR BUTT FITTINGS ARE NOT PERMITTED. PROVIDE MANUAL VOLUME DAMPER WITH LOCKING QUADRANT IN ALL OUTS TO GRILLES AND DIFFUSER. RNING VANES IN ALL MITERED ELBOWS, OR PROVIDE ELBOWS WITH CENTERLINE RADIUS EQUAL TO 1.5 TIMES

SEAL ALL PIPE, OR DUCT PENETRATIONS OF WALLS AND FLOORS. PACK VOID BETWEEN PIPE, OR DUCT WITH INSULATION IN NON-RATED WALLS AND FLOORS. PACK VOID BETWEEN PIPE, OR DUCT AND SLEEVE TION IN FIRE-RATED WALLS AND FLOORS, APPLY INTUMESCENT FIRE SAFING COMPOUND AT PENETRATION, 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

19. AS APPLICABLE AND AS INDICATED, PIPE DROPS ARE TO BE ON WALL, IN WALL, OR IN ENCLOSED SPACE PROVIDED BY THE GENERAL CONTRACTOR. 20. CONCEALED PIPING DROPS IN WALLS OR ENCLOSED SPACES SHALL BE INSULATED WITH 1/2" THICK UN-SLIT FLEXIBLE

UNICELLULAR INSULATION. 21. IF, FOR ANY REASON, IT IS NECESSARY TO RUN PIPING THROUGH FINISHED AREAS IN A MANNER THAT PIPING WOULD BE VISIBLE, THE CONTRACTOR WILL BE RESPONSIBLE TO PROVIDE AN APPROVED TYPE OF ENCLOSURE FOR CONCEALMENT, AT NO ADDITIONAL COST. CONTACT ARCHITECT IF THIS SITUATION OCCURS. 22. PROVIDE OPENINGS THROUGH WALLS 1" DIAMETER LARGER THAN PIPE. SET SLEEVE AND PACK OPENING WITH FIBERGLASS TO PREVENT RUBBING OR NOISE TRANSFER.

23. PROVIDE SHUT-OFF VALVE IN ALL HOT WATER SUPPLY BRANCHES AND COMBINATION SHUT-OFF AND BALANCE VALVE IN ALL HOT WATER RETURN BRANCHES. LOCATE IN ACCESSIBLE CEILING SPACE OR IF INSIDE EQUIPMENT ENCLOSURES, PROVIDE ACCESS DOOR.

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MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 (914) 984-2500

![](_page_46_Figure_35.jpeg)

![](_page_47_Figure_0.jpeg)

![](_page_48_Figure_0.jpeg)

![](_page_49_Figure_0.jpeg)

PLUMBING	SCH

							PLUMBIN	G FIXTURE SCHEDULE	ELECTRIC WATER HEATER SCHEDULE									
				PIPE SIZE			MOUNTING HEIGHT					TANK	NUMBER					
SIMBOL	DESCRIPTION	CW	HW	VENT	WASTE	TEP	AFF (INCHES)	REMARKS	SYMBOL	MFR.	TYPE	MODEL	CAPACITY GALS.	OF ELEMENTS	VOLTS/ PHASE	ELEMENT WATTAGE	RECOVERY CAP GPH © TEMP RISE OF 80°F	(LBS.)
WC	WATER CLOSET, ADA COMPLIANT	1/2"	-	2"	4"	_	REFER TO A-30	0 KOHLER "HIGHLINE" MODEL K-3519, FLOOR MOUNTED 1.0 GPF FLUSH, VITREOUS CHINA. FLUSHING SYSTEM: SLOAN FLUSHMATE7, FINISH COLOR TO BE WHITE. SEAT: MODEL K-4731-C OPEN FRONT SEAT WITHOUT COVER. ADA COMPLIANT.	WH	A.O. SMITH	ELECTRIC	DEL-15	15	1	208/1	2000	10	183
LAV	LAVATORY, ADA COMPLIANT	1/2"	1/2"	1-1/4"	1-1/2"	, _	REFER TO A-30	KOHLER "CHESAPEAKE" MODEL K-1728 VITREOUS CHINA, 19 1/4"L X 17 1/4"W BASIN, 4 7/8" DEEP WALL HUNG TYPE, WITH METAL GRID DRAIN, WITH 1-1/4" TAILPIECE "P" TRAP, KOHLER "TRITON" FAUCET MODEL K-7404-5N WITH WRISTBLADE HANDLES. FINISH TO BE POLISHED CHROME. 0.5 GPM. INSULATE "P" TRAP AND SUPPLIES AND STOPS W/ TRUEBRO INC. "HANDILAV-GUARD" OR EQUAL INSULATION KITS. PROVIDE LAVATORY CONCEALED ARM CARRIER SMITH FIGURE 700. ADA COMPLIANT. INSTALL ASSE 1070 LISTED THERMOSTATIC MIXING VALVE WATTS LFMMV, SET FOR 110°F.										
DF	DRINKING FOUNTAIN, ADA COMPLIANT	1/2"	-	1-1/4"	2"	_	REFER TO A-3	ELKAY HI/LO WALL MOUNT WATER COOLER, BARRIER FREE ACCESS, NSF/ANSI 61 COMPLIANT, MODEL EMABFTL8C, CAPACITY OF 8.0 GPH OF 50 DEGREE DRINKING WATER BASED UPON 80 DEGREE INLET WATER AND 90 DEGREE AMBIENT AIR. PROVIDE FOUNTAIN ACCESSORY APRON BY ELKAY TO MEET THE ADA REQUIREMENT FOR PROTRUDING OBJECTS- 307.2. COORDINATE ACCESSORY MODEL NUMBER WITH DRINKING FOUNTAIN MODEL NUMBER. ADA COMPLIANT.; COLOR: GREY ELEC.: 120V 1-PHASE SUPPORT: MOUNTING FRAME FOR ATTACHING TO SUBSTRATE.										
DS-1	DOWNSPOUT NOZZLE	_	-	-	_	_	PER MANUF. RECOMMENDATI	J.R. SMITH 1770 OR APPROVED SIMILAR. DOWNSPOUT NOZZLE WITH BIRDSCREEN-BS, NICKLE BRONZE-NB AND WALL FLANGE.										
SS	SERVICE SINK	1/2"	1/2"	1-1/4"	2"	_	_	KOHLER "BANNON" CAST IRON SERVICE SINK, MODEL K-6714 WITH K-6672, ADJUSTABLE TRAP STANDARD FOR 2" C.I. PIPE WITH CLEANOUT PLUG AND STRAINER. FAUCET: KOHLER MODEL K-830T60-4A "TRITON BOWE" SERVICE SINK FAUCET.										
NFWH	NON FREEZE WALL HYDRANT	3/4"	_	_	_	_	REFER TO A-3	ZURN MODEL Z-1320 ENCASED ECOLOTROL "ANTI-SIPHON" AUTOMATIC DRAINING WALL HYDRANT FOR FLUSH INSTALLATION. COMPLETE WITH NON-FREEZE INTEGRAL BACKFLOW PREVENTER, COPPER CASING, ALL BRONZE INTERIOR PARTS WITH 1/2 TURN CERAMIC DISC CARTRIDGE AND COMBINATION 3/4" FEMALE SOLDER AND 3/4" MALE PIPE THREADED INLET. STAINLESS STEEL BOX AND HINGED COVER WITH OPERATING KEY LOCK AND "WATER" STAMPED ON COVER (ALL SOLDER CONNECTIONS ARE LEAD FREE.)										
FCO	CLEAN OUTS	_	_	_	_	_	_	ZURN MODEL ZN1400										
EW	EYE WASH, ADA COMPLIANT	1/2"	1/2"	_	_	_	_	GUARDIAN WALL MOUNT COMBINATION EYE WASH/DRENCH HOSE UNIT MODEL G5026 WITH FLIP TOP DUST COVERS, INTERNAL FLOW CONTROL AND FILTER. POWDER COATED MOUNTING BRACKET WITH SPRING CLIPS AND STAINLESS STEEL SQUEEZE HANDLE WITH PLASTIC COVER. PROVIDE THERMOSTATIC MIXING VALVE. MOUNTING HEIGHT: TOP OF CONTROLS NOT TO EXCEED 48" AFF. ADA COMPLIANT.										
FD	FLOOR DRAIN	_	-	-	2"	-	_	ZURN MN# Z415B WITH CAST IRON BODY AND TRAP, AND LIGHT DUTY 5" DIAMETER CAST IRON GRATE. PROVIDE TRAP PRIMER IF INDICATED ON PLANS OTHERWISE PROVIDE TRAP GUARD FOR ALL FLOOR DRAINS.										
RD-1	COMBINATION-PRIMARY-OVERFLOW ROOF DRAIN	_	-	-	4"	-	_	ZURN Z163 OR APPROVED SIMILAR COMBINATION MAIN ROOF AND OVERFLOW DRAIN WITH LOW SILHOUETTE DOMES TO SUPPORT 4" PIPE SIZE.										
RCP	RECIRC PUMP							BELL & GOSSETT MODEL NBF-25, 2 GPM, 13 FT HD, 120V/1-PH, 1.1 AMPS, 125 WATTS, FURNISH WITH AQUASTAT										

UNION PLUG COCK \_ , DIRT LEG REFER TO PLAN FOR SIZES

![](_page_49_Picture_5.jpeg)

![](_page_49_Picture_6.jpeg)

TO GAS CONNECTION ON UNIT PIPE CLAMP NOTE: 1. PROVIDE PIPE SUPPORT AND INSTALL PER CODE LIMITS. NOTE: CONTRACTOR SHALL VERIFY THAT GAS METER IS REGULATED FOR LESS THAN 2 PSI PRESSURE AND HAS A MINIMUM CAPACITY OF 470 CFH. ANY DISCREPANCIES IN THIS INFORMATION SHOULD BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND/OR PROJECT ENGINEER. GAS PIPING IS SIZED BASED ON LESS THAN 2 PSI PRESSURE AND A 0.3 IN. W.C. PRESSURE DROP PER THE INTERNATIONAL FUEL GAS CODE.

![](_page_49_Picture_8.jpeg)

THERMOSTATIC MIXING VALVE DETAIL

SCALE: NTS

**P-001** 

KW LAV MB MC N/C NIC NFWH N/O NTS ORD OS&Y P PC PRV PSI PVC RD RPM RWC SAN SH SS TA T TMV TYP UR V VTR W W/O WC WCO WH	KILOWATT LAVATORY MOP BASIN MECHANICAL CONTRACTOR NORMALLY CLOSED NOT IN CONTRACT NON-FREEZE WALL HYDRANT NORMALLY OPENED NOT TO SCALE OVERFLOW DRAIN OUTSIDE STEM & YOKE PRESSURE GAUGE PLUMBING CONTRACTOR PRESSURE REDUCING VALVE POUNDS PER SQUARE INCH POLY VINYL CHLORIDE ROOF DRAIN REVOLUTIONS PER MINUTE RAINWATER CONDUCTOR SANITARY SHOWER SERVICE SINK TEMPERATURE DIFFERENCE THERMOMETER THERMOSTATIC MIXING VALVE TYPICAL URINAL VENT VENT THRU ROOF WASTE WITH WITHOUT WATER CLOSET WALL CLEANOUT WATER HEATER
WH	WATER HEATER
WHA	WATER HAMMER ARRESTOR

# PLUMBING - GENERAL NOTES

VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN FIELD BEFORE ORDERING EQUIPMENT OR FABRICATING COMPONENTS. UNLESS NOTED OTHERWISE, CONSTRUCTION MATERIAL AND EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF THE SITE.

COORDINATE WORK WITH EXISTING STRUCTURAL AND ARCHITECTURAL FEATURES AND PROVIDE OFFSETS AND FITTINGS AS REQUIRED. COORDINATE WORK WITH ALL OTHER TRADES. CEILING HEIGHTS ON ARCHITECTURAL PLANS ARE FINAL. 5. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING UNDERGROUND UTILITIES AND PIPING BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ALL DAMAGES

WHICH MIGHT OCCUR BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY UNDERGROUND UTILITIES.

INSTALL ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.

CONTRACTOR IS REQUIRED TO NOTIFY FACILITY OWNERS NOT LESS THAN 3 AND NOT MORE THAN 10 WORKING DAYS PRIOR TO EXCAVATION OR DEMOLITION WORK WHEN USING POWERED EQUIPMENT. 8. COORDINATE LOCATION OF ALL PIPING AND DEVICES BEFORE INSTALLATION WITH THE WORK OF OTHER TRADES. WHERE A CONFLICT IN AVAILABLE CLEARANCES OCCURS, OBTAIN CLARIFICATION FROM OTHER TRADES. WHERE A CONFLICT IN AVAILABLE CLEARANCES OCCURS, OBTAIN CLARIFICATION FROM THE ARCHITECT, AND PROVIDE WHATEVER ADDITIONAL PIPING, FITTINGS, ETC., ARE REQUIRED TO INSTALL PLUMBING SYSTEM WITHOUT ANY ADDITIONAL COST TO THE CONTRACT.

9. VERIFY MOUNTING HEIGHTS OF EQUIPMENT FIXTURES W/ARCHITECT DRAWING BEFORE ROUGH-IN. 10. BUILDING STORM WATER, DOMESTIC WATER, SANITÁRY, & GAS PIPING SHALL BE EXTENDED TO LIMIT DELINEATION OF CONTRACT LINE AS INDICATED ON DRAWINGS. 11. THE PLUMBING CONTRACTOR SHALL MAKE A COMPLETE WASTE, VENT, HOT & COLD WATER CONNECTION TO ALL OWNER FURNISHED EQUIPMENT. 12. INSTALL ALL PLUMBING EQUIPMENT AND MATERIALS IN STRICT ACCORDANCE WITH RESPECTIVE MANUFACTURER'S WRITTEN INSTRUCTIONS.

13. DIMENSIONS AND PIPE SIZES ARE IN INCHES UNLESS NOTED OTHERWISE. 14. RUN PIPING CONCEALED EXCEPT IN MECHANICAL ROOMS OR WHERE NOTED OTHERWISE.

15. RUN CONCEALED PIPING ON ROOM SIDE OF BUILDING INSULATION UNLESS NOTED OTHERWISE.

16. ALL EXPOSED PIPING SHALL BE CLEANED AND HAVE THE SURFACE PREPARED TO RECEIVE PAINTED FINISH. PRIME AND PAINT THE EXPOSED PIPING IN COLOR AS SELECTED BY THE ARCHITECT. 17. RUN 2" MINIMUM SIZE WASTE PIPING BELOW GROUND INSIDE BUILDING REGARDLESS OF SIZE NOTED ON FIXTURE SCHEDULE. SLOPE ALL SOIL, WASTE AND STORM WATER LINES PER CODE. 18. CONNECT WATER, WASTE, AND VENT PIPING TO FIXTURES IN ACCORDANCE WITH SIZES INDICATED ON FIXTURE SCHEDULE.

19. SEAL ALL FLOOR AND WALL PENETRATIONS IN FIRE RATED CEILINGS AND PARTITIONS TO MAINTAIN FIRE RATING. COORDINATE LOCATIONS WITH ARCHITECTURAL DRAWINGS.

20. COORDINATE EXACT LOCATION OF DOWNSPOUT NOZZLES WITH THE ROOF DRAIN TO DOWNSPOUT NOZZLE. 21. COORDINATE ACCESS PANELS AND DOORS WITH ARCHITECT FEATURES. 22. CONTRACTOR SHALL PROVIDE PIPE SLEEVES IN ALL FOUNDATION WALLS FOR PIPING PENETRATIONS.

23. ALL DOMESTIC WATER PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE, UNLESS OTHERWISE INDICATED.

24. MAKE ALL FINAL CONNECTIONS TO THE EQUIPMENT AS SHOWN ON THE DRAWINGS. PROVIDE SHUT-OFF VALVES IN ALL INDIVIDUAL WATER CONNECTIONS. IF APPLICABLE, PROVIDE SHUT-OFF VALVES IN ALL INDIVIDUAL GAS CONNECTIONS. 25. INSTALL VACUUM BREAKER ON ALL DRAIN VALVES, WALL HYDRANTS, AND ALL HOSE CONNECTIONS.

NOTED OTHERWISE.

26. RUN ALL PIPING ABOVE CEILING UNDER BUILDING INSULATION OR CONCEALED IN WALLS, UNLESS NOTED OTHERWISE. ALL WASTE LINES AS SHOWN SHALL BE BELOW FLOOR, UNLESS 27. FURNISH AND INSTALL ACCESS PANELS (FIRE-RATED) WHERE REQUIRED, WHERE SHOWN, OR REQUIRED FOR ACCESS TO ALL CONCEALED VALVES, TRAPS OR OTHER EQUIPMENT FURNISHED UNDER THIS CONTRACT WHERE NO OTHER MEANS IS PROVIDED. 28. INSTALL UNIONS ON PIPING TO PERMIT EASY DISCONNECTING.

29. CONCEAL ALL PIPING, VALVES AND FITTINGS ABOVE CEILINGS AND IN CHASES WHERE THEY OCCUR, UNLESS NOTED OTHERWISE. 30. THE CONTRACTOR SHALL RIGIDLY SUPPORT ALL EQUIPMENT. 31. ALL SANITARY AND STORM SEWER PIPING SHALL BE RUN AT 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED. ALL SANITARY SEWER PIPING 2" AND SMALLER SHALL BE RUN AT

1/4" PER FOOT SLOPE. 32. PROVIDE AND INSTALL ANGLE SHUTOFF VALVES AT EACH FIXTURE REQUIRING WATER. VALVES FOR WALL MOUNTED FIXTURES SHALL BE CHROME PLATED, THREADED, HEAVY DUTY TYPE AND HAVE LOOSE KEY STOPS. VALVES FOR COUNTERTOP FIXTURES SHALL BE 1/4 TURN BALL VALVES. PROVIDE SHUT-OFF VALVE IN ALL HOT WATER SUPPLY BRANCHES AND COMBINATION SHUT-OFF AND BALANCE VALVE IN ALL HOT WATER RETURN BRANCHES. LOCATE IN ACCESSIBLE CEILING SPACE OR IF INSIDE EQUIPMENT ENCLOSURES, PROVIDE ACCESS DOOR.

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![](_page_49_Figure_41.jpeg)

- IT CABINET (SUPPLIED AND

INSTALLED BY OWNER)

WATER SERVICE AND BACKFLOW PREVENTER P-001

SCALE: NTS

4

P-001

SCALE: NTS

![](_page_49_Figure_45.jpeg)

BASED ON 8-BAY DOUBLE SIDED PROTOTYPE DATED NOV 22 2023

Larson Architectural Group 3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562 MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 (914) 984-2500 CLIENT TH CARO SEAL 53330 TH J. COU his item has been digitally signed and sealed Keith J. Couch on date above using a digital signature. Printed copies of this document are no considered signed and sealed and must be verifi on any electronic copies. S Ш  $\mathbf{O}$ ORD,NO 01 Ž AND **SANF**( SN RD. EDULES · Ō #2266 SANF CHI Q RO Ś AKE END, C Š 0 Ш S BUF C **LUMBIN** S S Δ Project No.: 11432-187 Sheet No.:

![](_page_50_Figure_0.jpeg)

![](_page_50_Figure_2.jpeg)

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![](_page_51_Figure_1.jpeg)

![](_page_51_Figure_2.jpeg)

![](_page_51_Figure_3.jpeg)

SANITARY RISER

SCALE: NTS

P-101

![](_page_52_Figure_0.jpeg)

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	CIRICAL GENERAL NUTES:
1.	ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA 70-2020, NATIONAL ELECTRICAL CODE, AND ALL APPLICABLE STATE AND LOCAL CODES AND AMENDMENTS.
2.	SERVICE PERFORMED ON VEHICLES AT THIS FACILITY COMPLIES WITH NEC ARTICLE 100 PART III AS A MINOR REPAIR GARAGE. CLASS I LIQUID OR GASEOUS FUELS ARE NOT STORED, HANDLED OR TRANSFERRED. THERE ARE NO PITS OR SUBFLOOR WORK AREAS. TABLE 511.3(C).
3.	BUILDING PERMIT AND INSPECTION FEES WILL BE PAID BY THE OWNER. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ANY/ALL LOCAL
4.	THE ELECTRICAL CONTRACTOR SHALL ENGAGE THE LOCAL ELECTRICAL, TELECOM AND CATV UTILITIES AND ARRANGE FOR THE SERVICE CONNECTIONS. PROVIDE THE FACILITIES FROM THE UTILITY CONNECTION POINT TO THE BUILDING, INCLUDING ALL APPURTENANCES, AS REQUIRED BY THE RESPECTIVE UTILITY.
5.	IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AND/OR NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.
6.	IT IS THE INTENT AND PURPOSE OF THESE DRAWINGS AND SPECIFICATIONS TO INCLUDE AND PROVIDE FOR ALL MATERIALS, APPLIANCES AND LABOR TO PROPERLY COMPLETE AND LEAVE IN PERFECT WORKING CONDITION THE ENTIRE SYSTEM HEREINAFTER SPECIFIED. ANY MATERIAL, LABOR OR APPLIANCE NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE DRAWINGS, BUT NECESSARY FOR A COMPLETE INSTALLATION MUST BE FURNISHED BY THIS CONTRACTOR.
7.	IT IS THE INTENT AND PURPOSE OF THESE DRAWINGS AND SPECIFICATIONS SHALL PROVIDE FOR THE FURNISHING AND INSTALLING OF THE ELECTRICAL SYSTEMS COMPLETE AS SPECIFIED AND SHOWN. ANY WORK SHOWN ON THE DRAWINGS AND NOT PARTICULARLY DESCRIBED IN THE SPECIFICATIONS OR VICE VERSA, OR ANY WORK CHANGES WHICH MAY BE EVIDENTLY NECESSARY TO COMPLETE THE INSTALLATION SHALL BE FURNISHED BY THIS CONTRACTOR.
8. 9	THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
9. 10.	THE ELECTRICAL CONTRACTOR SHALL BECOME FAMILIAR AND COMPLY WITH OWNERS BUILDING STANDARDS FOR CONSTRUCTION.
11.	THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON DETAILS SHEETS, PLANS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE FUNCTIONING SYSTEM.
12.	PRIOR TO SUBMISSION OF BID PROPOSAL, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE CAREFULLY THE EXISTING CONDITIONS AND THE DIFFICULTIES THAT WILL BE INCURRED DURING THE PERFORMANCE OF HIS WORK. CLAIMS FOR ADDITIONAL COMPENSATION ARISING DUE TO THE FAILURE OF THE CONTRACTOR TO FULLY UNDERSTAND THE SITE CONDITIONS WILL NOT BE PAID BY ANY PARTY.
13.	THE ELECTRICAL CONTRACTOR SHALL NOT ENDANGER THE STABILITY OF THE STRUCTURE OR ANY PART THEREOF BY CUTTING, DRILLING OR OTHERWISE MODIFYING, AND SHALL NOT IN ANY WAY CUT OR ALTER THE WORK OF ANY OTHER CONTRACTOR, EXCEPT WITH THE PRIOR WRITTEN CONSENT OF AND UNDER THE DIRECTION OF THE ARCHITECT AND/OR GENERAL CONTRACTOR.
14. 15.	ALL CONDUITS ARE SHOWN DIAGRAMMATICALLY, EXACT RUNS SHALL BE DETERMINED IN FIELD EXCEPT WHERE SPECIFICALLY DIMENSIONED ON CONDUIT LAYOUTS. CONTRACTOR SHALL FOLLOW MINIMUM SPACING REQUIREMENTS TO REDUCE ELECTROMAGNETIC INTERFERENCE. COORDINATE CONDUIT ROUTING WITH ALL OTHER TRADES.
16.	ALL EXPOSED CONDUIT SHALL BE RUN PARALLEL TO BUILDING WALLS AND BEAMS EXCEPT WHERE OTHERWISE SHOWN. CONTRACTOR SHALL INSTALL CONDUIT IN SUCH A MANNER TO AVOID ALL INTERFERENCES.
17.	DEFLECTION/EXPANSION FITTINGS SHALL BE PROVIDED WHERE RIGID METAL CONDUIT CROSSES STRUCTURAL EXPANSION JOINTS.
18.	SHALL BE SUPPORTED AT LEAST EVERY EIGHT (8) FEET.
19. 20.	ALL SPARE CONDUITS SHALL BE TERMINATED AS SHOWN ON THE DRAWINGS AND SHALL BE CAPPED 3" ABOVE FINISHED FLOOR.
21.	DRAWINGS OF THE RESPECTIVE EQUIPMENT. CONDUIT SHALL BE INSTALLED TO AGREE WITH EQUIPMENT FURNISHED. CONDUITS PASSING THROUGH BUILDING FLOORS OR WALLS BELOW GRADE ARE TO BE INSTALLED WITH WATERTIGHT THRU WALL CONDUIT SEAL FITTINGS.
22.	ONLY CONDUITS HAVING OUTSIDE DIAMETERS NO LARGER THAN ONE-THIRD OF THE THICKNESS OF SLAB MAY BE INSTALLED WITHIN THE CONCRETE SLABS.
23. 24	CONDUITS IN STRUCTURAL SLABS ARE TO BE SPACED SO AS TO PROVIDE NO LESS THAN THREE CONDUIT DIAMETERS, CENTER TO CENTER, WHEREVER POSSIBLE. LARGER SPACING IS PREFERRED.
2 <del>4</del> . 25.	ALL CONDUITS SHALL BE SUPPORTED FROM STRUCTURAL STEEL ONLY.
26. 27.	ELECTRICAL CONTRACTOR SHALL PROVIDE SLEEVES/ OPENINGS FOR ALL CONDUIT RISERS PENETRATING WALLS, ROOF & FLOOR SLABS. ALL ROOF AND MECH. ROOMS SLAB PENETRATIONS SHALL BE WATERPROOF. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED
28.	JUNCTION & PULL BOXES: DO NOT LOCATE EXPOSED IN FINISH SPACES UNLESS REQUIRED BY NEC. WHERE NECESSARY, REROUTE CONDUIT OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. PROVIDE PULL BOXES AS INDICATED AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE LOCATIONS WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE. FOR EMPTY CONDUITS, INSTALL PULL BOXES EVERY 100 FEET AND AS INDICATED. COORDINATE LOCATIONS WITH OTHER TRADES.
29. 30.	PROVIDE BARRIERS IN ALL PULL BOXES FOR CONDUIT SETS. ALL FINAL CONNECTIONS TO VIBRATING EQUIPMENT (MOTORS, GENERATORS ETC.) SHALL BE THROUGH A LIQUID TIGHT FLEXIBLE METAL CONDUIT.
31.	FLEXIBLE CONNECTIONS IN EXPOSED AREAS SHALL NOT EXCEED 18" MAXIMUM.
32. 33.	PAINT AND RUST PROOF ALL HARDWARE & CONDUITS ON ROOF AND IN EXPOSED AREAS. SUPPORT PANEL, JUNCTION & PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON CONDUIT.
34.	THE DRAWINGS INDICATE THE GENERAL ARRANGEMENTS AND LOCATION OF OUTLET BOXES, ETC. THE CONTRACTOR SHALL, WITHOUT EXTRA COST TO THE OWNER, MAKE ALL REASONABLE MODIFICATIONS IN THE WORK AS MAY BE REQUIRED TO PREVENT CONFLICT WITH EXISTING CONDITIONS, THE WORK OF OTHER TRADES AND FOR THE PROPER INSTALLATION OF THE WORK.
35.	LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR DOORS. INSTALL SWITCH ON LATCH SIDE, VERIFY FINAL DOOR HINGE LOCATION IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.
36.	VERIFY LOCATIONS OF OUTLETS AND EQUIPMENT IN FINISHED ROOMS WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILING AND THE LIKE, AND CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.
37. ze	FOR RECEPTACLE & OUTLETS MOUNTING HEIGHTS AND POSITION (HORIZONTAL, VERTICAL), COORDINATE WITH OWNER'S PROJECT MANAGER.
39.	CONDUCTORS SHALL BE COPPER RATED AT NOT LESS THAN 600 VOLTS. MINIMUM SIZE SHALL BE #12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL WIRE #8 AWG AND LARGER SHALL BE STRANDED. ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID, UNLESS OTHERWISE NOTED.
40.	BRANCH CIRCUIT CONDUCTORS SHALL BE TYPE THHN OR THWN AS REQUIRED AND RATED AT 75 DEGREES CELSIUS. UNLESS NOTED OTHERWISE.
41.	DO NOT PULL THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32 DEG F (O DEG C). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS REQUIRED BY CODE.
42. 43.	THE NUMBER OF WIRES SHOWN ON THE DRAWINGS IS NOT NECESSARILY THE CORRECT NUMBER REQUIRED. THE CONTRACTOR SHALL INSTALL AS MANY AS ARE NECESSARY FOR PROVIDING A COMPLETE ELECTRICAL SYSTEM IN EACH CASE. USE OF ISOLATED TYPE GROUNDING CONDUCTOR FOR IG TYPE RECEPTACLES, PLUG MOLDS & EQUIPMENT DOES NOT RELIEVE REQUIREMENT
A 4	FOR GROUNDING CONDULT SYSTEM, DEVICES AND EQUIPMENT AS REQUIRED BY ALL APPLICABLE CODES. PROVIDE AND INSTALL GROUNDING FITTING, EQUIPMENT GROUND WIRING ETC. AS REQUIRED.
44.	LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS. CONDUIT OVER 10 FEET IN WHICH WIRING IS NOT INSTALLED-FURNISH PULL STRING.
45.	ALL GROUND CONNECTIONS TO THE BUILDING STEEL AND GROUND RODS SHALL BE BY EXOTHERMIC WELDEDING OR CLAMPS UL LISTED FOR THE APPLICATION.
	CONTRACT OLOCE OUT, IN THE DESCENCE OF THE OWNER'S DROJECT MANAGED, DEMONSTRATING OPERATION OF OVETENS AND THAT ALL

# LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	TYPE	DESCRIPTION
<b>A'</b> LAMPS: MANUFACTURER: CATALOG NO.: INPUT POWER:	RECESSED 2' x 4' LED CENTER BASKET FIXTURE IC RATED FOR DIRECT CONTACT WITH INSULATION LED, 4,000K, 80CRI, 4,535 LUMENS MOBERN RDISE-24-LED-35-DMV-FR-40 35 WATTS	<b>'D'</b> LAMPS: MANUFACTURER: CATALOG NO.: INPUT POWER:	RECESSED 1' x 4' LED BACKLIT FLAT PANEL FIXTURE INCLUDE DRYWALL FRAME KIT LED, 4,000K, 80CRI, 4,400 LUMENS SATCO NUVO 65–573 40 WATTS
AE' LAMPS: MANUFACTURER: CATALOG NO.: INPUT POWER:	RECESSED 2' x 4' LED CENTER BASKET FIXTURE WITH EMERGENCY BATTERY SUPPLY LED, 4,000K, 80CRI, 4,535 LUMENS MOBERN RDISE-24-LED-35-DMV-FR-40-EM 35 WATTS	<b>'E'</b> LAMPS: MANUFACTURER: CATALOG NO.: INPUT POWER:	STEM MOUNTED LED HIGHBAY LIGHT WITH EMERGENCY BATTERY SUPPLY LED, 4,000K, 70CRI, 15,343 LUMENS LITHONIA CPHB 15000LM SEF GCL WD MVOLT GZ10 40K 70CRI E10WCP 105 WATTS
<b>B'</b> LAMPS: MANUFACTURER: CATALOG NO.: INPUT POWER:	SURFACE MOUNTED LED STRIP LIGHT, 24" LONG WITH WIRE GUARD AND EMERGENCY BATTERY SUPPLY LED, 4,000K, 82CRI, 3,355 LUMENS MOBERN 42 24-LED-24-DMV-FR-40-EM-A69/2FT 24 WATTS	<b>'E1'</b> LAMPS: MANUFACTURER: CATALOG NO.: INPUT POWER:	STEM MOUNTED LED HIGHBAY LIGHT LED, 4,000K, 70CRI, 15,343 LUMENS LITHONIA CPHB 15000LM SEF GCL WD MVOLT GZ10 40K 70CRI E10WCP 105 WATTS
B1' LAMPS: MANUFACTURER: CATALOG NO.: INPUT POWER:	SURFACE MOUNTED LED STRIP LIGHT, 24" LONG WITH WIRE GUARD LED, 4,000K, 82CRI, 3,355 LUMENS MOBERN 42 24-LED-24-DMV-FR-40-A69/2FT 24 WATTS	<b>'H'</b> LAMP: MANUFACTURER: CATALOG NO.: INPUT POWER:	ROUND SHADE PENDANT MOUNTED 1 LAMP FIXTURE, 16" DIAM WITH WIRE GUARD, NO SUBSTITUTION THIS FIXTURE A19 LED, 2,700K, 80CRI, 800 LUMENS TROY RLM LIGHTING RS16 M TTL WG W 9 WATTS
C' LAMPS: MANUFACTURER: CATALOG NO.: INPUT POWER:	LENSED PENDANT MOUNTED LED STRIP LIGHT, 48" LONG WITH WIRE GUARD AND EMERGENCY BATTERY SUPPLY LED 4,000K, 80CRI, 4,028 LUMENS LITHONIA ZL1D L48 3000LM FST MVOLT 40K 80CRI E10WLCP WH WGZ48 30 WATTS	'OS1' MANUFACTURER: CATALOG NO.:	OCCUPANT SENSOR LUMINAIRE MOUNTED NO SUBSTITUTION THIS FIXTURE ETLIN-DANIELS SENPIR-HB-01
<b>C1'</b> LAMPS: MANUFACTURER: CATALOG NO.: INPUT POWER:	LENSED PENDANT MOUNTED LED STRIP LIGHT, 48" LONG WITH WIRE GUARD LED 4,000K, 80CRI, 4,028 LUMENS LITHONIA ZL1D L48 3000LM FST MVOLT 40K 80CRI WH WGZ48 30 WATTS	' <b>OS2'</b> MANUFACTURER: CATALOG NO.:	OCCUPANT SENSOR CEILING MOUNTED NO SUBSTITUTION THIS FIXTURE ETLIN-DANIELS SENPIR-CM-01

	WIRE AND CONDUIT CHART						
ALL WIRIN	G AND CABLE SHALL BE INSTALLED PER CHART, UNLESS NO						
CONDUCTOR S WITH CODE MAXIN	ZES SHOWN IN THESE PLANS ARE THE MINIMUM SIZE RE CONDUCTOR SIZES SHALL BE INCREASED AS REQUIRED IUM OF 5% VOLTAGE DROP AT THE END OF ALL BRANCH						
IF THERE IS	A AMPACITY AND POLE NOT LISTED THE CONTRACTOR I CONTACT ENGINEER DURING BIDDING FOR INFORMATIC						
	<b>RACEWAY APPLICATION</b>						
ALL WIRI	NG <u>MUST</u> BE INSTALLED PER SPECIFICATION SECTION 26 05						
CIRCUIT	WIRE AND CONDUIT						
1P 20A	2-#12 THHN CU, 1-#12 THHN CU GND 3/4" CONDUIT						
1P 30A	2-#10 THHN CU, 1-#10 THHN CU GND 3/4" CONDUIT						
2P 20A	3-#12 THHN CU, 1-#12 THHN CU GND 3/4" CONDUIT						
2P 30A	3-#10 THHN CU, 1-#10 THHN CU GND 3/4" CONDUIT						
2P 40A	3-#8 THHN CU, 1-#10 THHN CU GND 3/4" CONDUIT						
2P 50A	3-#8 THHN CU, 1-#10 THHN CU GND 3/4" CONDUIT						
3P 20A	4-#12 THHN CU, 1-#12 THHN CU GND 3/4" CONDUIT						
3P 30A	4-#10 THHN CU, 1-#10 THHN CU GND 3/4" CONDUIT						
3P 40A	4-#8 THHN CU, 1-#10 THHN CU GND 1" CONDUIT						
3P 50A	4-#8 THHN CU, 1-#10 THHN CU GND 1" CONDUIT						
3P 60A	4—#6 THHN CU, 1—#10 THHN CU GND 1" CONDUIT						
3P 80A	4-#3 THHN CU, 1-#8 THHN CU GND 1"1/4" CONDUIT						
3P 100A	4-#3 THHN CU, 1-#8 THHN CU GND 1" 1/2" CONDUIT						
3P 200A	4-3/0 THHN CU, 1-#6 THHN CU GND 2-1/2" CONDUIT						
3P 225A	4-4/0 THHN CU, 1-#4 THHN CU GND 2-1/2" CONDUIT						

# ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	GFI	GROUND FAULT CIRCUIT INTERRUPTER
AL	ALUMINUM	kCMIL	1000 CIRCULAR MILS
AWG	AMERICAN WIRE GAUGE	LED	LIGHT EMITTING DIODE
EC	ELECTRICAL CONTRACTOR	МСВ	MAIN CIRCUIT BREAKER
EF	EXHAUST FAN	MLO	MAIN LUGS ONLY
EH	ELECTRIC HEATER	RMC	RIGID METALLIC CONDUIT
EM	EMERGENCY	RTU	ROOFTOP UNIT
EMT	ELECTRIC METALLIC TUBING	UH	UNIT HEATER
EWC	ELECTRIC WATER COOLER	VA	VOLT-AMPERES
EWH	ELECTRIC WATER HEATER	WP	WEATHERPROOF

C-3950

![](_page_54_Figure_7.jpeg)

![](_page_55_Figure_0.jpeg)

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![](_page_56_Figure_0.jpeg)

![](_page_57_Figure_0.jpeg)

		WITH EMERGENCY BATTERY PACK	Α.	REFER TO SHEET E-001 FOR LIGHTING FIXTURE SCHEDULE.
		STEM MOUNT AT 14'-0" AFF, UON	Β.	EXTERIOR FIXTURES TO BE CENTERED VERTICALLY ON THE EIFS BAND AT
	E1	LED HIGHBAY LIGHT STEM MOUNT AT 14'-0" AFF. UON	C.	UPPER LEVEL 'B' AND 'B1' FIXTURES TO BE MOUNTED TIGHT TO UNDERSIDE
			D.	PROVIDE STRUT CHANNEL FASTENED TO TIRE RACKING SYSTEM TO SUPPOR SENSORS AT THE LOCATIONS INDICATED ON THE PLAN.
	SLA SLA	EXTERIOR WALL PACK LIGHT	E.	PROVIDE PENDANT MOUNTED 4" OCTAGONAL BOXES FOR UPPER LEVEL OCC FIXTURES.
	4-A EB	SELF CONTAINED EMERGENCY LIGHTING BATTERY UNIT WITH DUAL LED LIGHTING HEADS	F.	DO NOT SUSPEND ANY LIGHTS FROM OH DOOR TRACKS.
N	A EL	REMOTE EMERGENCY LIGHTING UNIT WITH DUAL LED LIGHTING HEADS	G.	THERE SHALL BE NO EXPOSED WIRING/ CONDUIT BETWEEN EXTERIOR SIGN
N	X	COMBINATION EXIT SIGN EMERGENCY LIGHTING UNIT WITH DUAL LED LIGHTING HEADS		
Т	•н	PENDANT LIGHTING FIXTURE, 7'—0" AFF TO BOTTOM OF SHADE		
	$\Box_{0S}$	OCCUDANCY SENSOR		

![](_page_58_Figure_0.jpeg)

	LED HIGHBAY LIGHT WITH EMERGENCY BATTERY PACK STEM MOUNT AT 14'—0" AFF, UON
E1	LED HIGHBAY LIGHT STEM MOUNT AT 14'—0" AFF, UON
SLA SLA	EXTERIOR WALL PACK LIGHT
A EB	SELF CONTAINED EMERGENCY LIGHTING BATTER UNIT WITH DUAL LED LIGHTING HEADS
4 EL	REMOTE EMERGENCY LIGHTING UNIT WITH DUAL LED LIGHTING HEADS
×	COMBINATION EXIT SIGN EMERGENCY LIGHTING UNIT WITH DUAL LED LIGHTING HEADS
ЮH	PENDANT LIGHTING FIXTURE, 7'—0" AFF TO BOTTOM OF SHADE

		PA	NELB	OAR	D		Ρ-	- SI	EC	TIC	<b>DN</b> 1			SC	HEDL	JLE				
VOLTAGE: 208Y/120V PHASE	: 3	WIRE: 4			MAINS:	400A M	СВ		REMA	ARKS	;:									
BUS SIZE: 400A BUS N	IATL: CU	FAULT D	DUTY: NOT	'E (6)	MOUNTI	NG: SUR	FACE													
			LOAD	N KVA			BRK	(R	$\overline{1}$	B	RKR			LOAD	IN KVA					Tμ
2 NO. SERVES	LTG	RCPT	MTR	A/C	HTG	MISC	TRIP	Ρ	קקי	Ρ	TRIP	MISC	HTG	A/C	MTR	RCPT	LTG	SERVES	NO	"  9
								H	╞┼┼	-									2	,
3 RTU-1				15.1			60	3 –	╎┿┼╴	3	20				2.4			TIRE BALANCING MACHINE NO 1	4	
5									╎┼┿	-									6	
7 DRINKING FOUNTAIN		0.5					20	1 –	╞┼┼╴	-									8	
1 9 IT RACK						0.1	20	1 —	╎┿┼╴	3	20				2.4			TIRE BALANCING MACHINE NO 2	10	)
11 LIGHTS ELECTRICAL ROOM	0.1						20	1 –	╎┼┿										12	2
13 WATER COOLER		0.5					20	1 –	╞┼┼╴	- 1	20					0.4		COMPRESSOR OUTLET	14	ł
1 15 LIGHTING CONTROL CIRCUIT						0.7	20	1 —	╎┿┼╴	- 1	20					0.2		FLAT REPAIR RECEPT	16	3
17 24 HR / EMERGENCY LIGHTING	1.0						20	1 —	╎╎┿	- 1	20					1.4		MINI FRIDGE / MICROWAVE	18	3
19 LIGHTS BREAKROOM	0.1						20	1 –	╞┼┼	- 1	20					0.4		WORK BENCH RECEPTACLE	20	ו כ
21 SPARE							20	1 -	╎┿╎╴	- 1	20							SPARE	22	2
23 ELECTRICAL ROOM HEATER					0.8		20	1 –	╞┼┿	1	20							SPARE	24	1
25 SPARE							20	1 –	<b>∳</b> ┼┼	1	20					0.4		WHEEL ALIGNMENT COMP RECEPT	26	3
27 GAS FIRED UNIT HEATER 1			0.5				20	1 –	╎┿╎╴	1	20					0.2		MTEB RECEPTACLE	28	3
29 RECEPTACLES BAYS 1,2		0.4					20	1 -	╎┼┿	- 1	20					0.4		RECEPTACLES BAYS 5,6	30	)
31 RECEPTACLES BAYS 3,4		0.4					20	1 -	<b>∳</b> ╎╎-	- 1	20					0.4		RECEPTACLES BAYS 7,8	32	2
33 WAITING AREA RECEPTACLES		0.5					20	1 -	╎┥╎	- 1	20				1.4			EXTERIOR TIRE INFLATOR	34	1 2,
35 SHOWROOM RECEPTACLES		0.9					20	1 -	╎╎┿	- 1	20							SPARE	36	3
37 SPARE							20	1 -	<b>∳</b> ╎┼-	- 1	20							SPARE	38	3
39 GAS FIRED UNIT HEATER 2			0.5				20	1 -	╎┥╎		00	0.0							40	J
1 41 BURGLAR ALARM						0.1	20	1 -	╎╎┿	<sup>2</sup>	20	2.0						ELECTRIC WATER HEATER	42	2
		•						SECT	ION '	1 TO	TALS:	2.9	0.8	15.1	7.2	7.0	1.2	CONNECTED KVA 34.2		
								SECTI	ION 2	2 TO	TALS:	0.7	0.0	0.0	60.1	2.4	5.7			
							PANE	ELBOA	RD F	- то	TALS:	3.6	0.8	15.1	67.3	9.4	6.9	CONNECTED KVA 103.1		
							·					3.6	0.8	15.1	59.2	9.7	8.6	DEMAND KVA 97.0		
											L						•	DEMAND AMPS 269.3		

PANELBOARD P - SECTION 2 SCHEDULE **VOLTAGE:** 208Y/120V PHASE: 3 WIRE: 4 MAINS: MLO REMARKS: BUS MATL: CU FAULT DUTY: NOTE (6) MOUNTING: SURFACE BUS SIZE: 400A BRKR LOAD IN KVA BRKR LOAD IN KVA LTG RCPT MTR A/C HTG MISC TRIP P P TRIP MISC HTG A/C MTR R SERVES No 43 45 VEHICLE LIFT – BAY 1 3.3 3.3 20 2 20 \_\_\_\_\_ ┝┽┼┿┥ 49 VEHICLE LIFT - BAY 3 | 20 | 2 | | | | | 3.3 3.3 2 20 20 2  $\left| \frac{31}{53} \right|$  VEHICLE LIFT – BAY 5 3.3 3.3 2 20 3.3 3.3 VEHICLE LIFT – BAY 7 2 20 20 1 1 20 59 SERVICE MANAGER DESK RECEPTACLES 0.4 0.2 61 MANAGER DESK TECH COMPUTER 63 SPARE 20 I ├<del>↓ ∳ ↓ /</del> 1 | 20 65 SPARE 20 ' 20 67 SPARE 20 | 1 | 🔶 | 1 | 20 | 69 RTU / ROOF RECEPTACLES 0.4 20 20 71 SPARE 20 73 SPARE 20 | 20 75 IRRIGATION CONTROL 0.1 20 2 20 77 SPARE 20 **├┼┼┿**┤ 1 20 2,7 79 EXTERIOR TIRE INFLATOR 1.4 20 3 81 MAVIS SITE PYLON SIGN ++++ 1 20 0.5 20 83 FIRE ALARM CIRCUIT 0.1 20 1 1 20 3 100 0.5 0.0 0.0 32.3 SECTION 2 TOTALS: 0.7 0.0 0.0 60.1

# PANELBOARD NOTES:

1. PROVIDE WITH HANDLE LOCK-ON DEVICE.

2. PROVIDE CIRCUIT BREAKER WITH PADLOCKING HANDLE LOCK.

3. DENOTES CIRCUIT CONTROLLED VIA 8-POLE CONTACTOR.

4. EXTERIOR WALL PACK LIGHTS ARE TO BE DUSK-DAWN OPERATION VIA SEPARATE TORK PHOTOCELL FROM DURATION TIMER.

5. AIR COMPRESSORS DO NOT OPERATE CONCURRENTLY.

6. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE LOCAL ELECTRICAL UTILITY AND OBTAIN AN AVAILABLE FAULT CURRENT LETTER AND THEN ORDER PANELBOARDS WITH THE APPROPRIATE FAULT DUTY. PROVIDE A COPY OF THE LETTER TO THE AHJ AND THE EEOR WITH THE PANELBOARD SHOP DRAWINGS. SHOP DRAWINGS WILL NOT BE REVIEWED WITHOUT THE UTILITY LETTER.

7. PROVIDE GFCI FOR PERSONNEL PROTECTION TYPE CIRCUIT BREAKER.

![](_page_59_Figure_10.jpeg)

				Ρ	ANEL	BOA	RD			С			SCHE	DUL	E					
	VOLTAGE:         208Y/120V         PHASE:           BUS SIZE:         125A         BUS MA	3 TL: CU	WIRE: 4 FAULT D	UTY: NOT	E (6)	MAINS: MOUNTIN	MLO <b>IG:</b> SURF	ACE	RE	MARK	(S:									
NOTE	No. SERVES	I TG	RCPT	LOAD MTR	N KVA	НТС	MISC	BRK	R <b>Geo</b> lo	E	3RKR TRIP	MISC	HTG	LOAD I A/C	N KVA MTR	RCPT	I TG	SERVES	No.	NOTE
	1 WORK BAY LIGHTING	0.8						20 -	<b>∳</b>	1	20			.,, c	0.8		210	WALL MOUNTED FANS	2	
	3 LIFT AREA LIGHTING	0.2						20 -		1	20				0.8			WALL MOUNTED FANS	4	
	5 UPPER LEVEL TIRE RACK LIGHTING	0.7						20 -		1	20						0.3	SHOWROOM LIGHTING	6	
	7 LOWER LEVEL TIRE RACK LIGHTING	0.6						20 -		1	20						0.4	WAITING AREA LIGHTING	8	
	9 SPARE							20 -		1	20						0.1	TOILET/LOCKERS LIGHTING	10	
	11 OVERHEAD DOOR BAY 1			1.1				20 -	11.	1	20				1.1			OVERHEAD DOOR BAY 2	12	
	13 OVERHEAD DOOR BAY 3			1.1				20 -		1	20				1.1			OVERHEAD DOOR BAY 4	14	
	15 OVERHEAD DOOR BAY 5			1.1				20 -	1	1	20				1.1			OVERHEAD DOOR BAY 6	16	
	17 OVERHEAD DOOR BAY 7			1.1				20 -	1	1	20				1.1			OVERHEAD DOOR BAY 8	18	
2	19 ELECTRIC HAND DRYER RESTROOM			0.7				20 -	<b>♦</b>	1	20				0.7			ELECTRIC HAND DRYER EMPLOYEE	20	2
2	21 ELECTRIC HAND DRYER RESTROOM			0.7				20 -	1.	1	20				0.7			ELECTRIC HAND DRYER SHOP	22	2
	23 EXTERIOR RECEPTACLE		0.2					20 -	1	1	20				0.1			EXHAUST FAN EF-1	24	
	25 SPARE							20 -		1	20				1.5			CONVEYOR POWER	26	
	27 SPARE							20 -		1	20							SPARE	28	
	29 SPARE							20 -	1	1	20							SPARE	30	
	31 SPARE							20 -		1	20							SPARE	32	
	33 HOT WATER RECIRC PUMP			0.2				20 -	1	1	20							SPARE	34	
	35 COMPRESSED AIR DRYER						0.5	20 -	1	1	20				1.1			EXHAUST FAN EF-2	36	
	37							-	<b>● </b>  -										38	
5	39 AIR COMPRESSOR			8.1				30 -	3	3	30				8.1			AIR COMPRESSOR	40	5
		1	1	1	I	1	1		1 11 1	_		0.5	0.0	0.0	32.3	0.2	3.1	CONNECTED KVA 36.1		L
										T	UTALS:	0.5	0.0	0.0	24.2	0.2	3.9	DEMAND KVA 28.8		
										L					1	I	1	DEMAND AMPERES 79.9		

			·	
CPT	LTG	SERVES	No.	NOTE
		VEHICLE LIFT - BAY 2	44 46	
		VEHICLE LIFT – BAY 4	48 50	
		VEHICLE LIFT – BAY 6	52 54	
		VEHICLE LIFT - BAY 8	56 58	
).4		SALES COUNTER RECEPTACLES	60	
).4		SALES COUNTER RECEPTACLES	62	
).4		SALES COUNTER RECEPTACLES	64	
		SPARE	66	
	0.5	SITE LIGHTS	68	3
	0.5	SITE LIGHTS	70	3
		SPARE	72	
		SPARE	74	
		SPARE	76	
	0.3	MAVIS SIGN ON BUILDING FRONT	78	3
	0.3	MAVIS SIGN ON BUILDING SIDE	80	3
	0.3	MAVIS SIGN ON BUILDING SIDE	82	3
	0.2	EXTERIOR WALL PACK LIGHTS	84	4
).2	3.1	PANELBOARD C		
2.4	5.7	CONNECTED KVA 68.9		

NOTE: MAVIS DISCOUNT TIRE HAS A NATIONAL ELECTRICAL EQUIPMENT AGREEMENT WITH CONSOLIDATED ELECTRICAL DISTRIBUTORS, INC. (CED). THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING THE PANELBOARDS AND SWITCHGEAR EQUIPMENT. QUESTIONS CONCERNING QUOTES, PRICING, AND TECHNICAL SPECIFICATIONS SHALL BE DIRECTED TO RYAN DENNEY, CED NATIONAL ACCOUNTS, VIA EMAIL ryan.denney@ced.com OR BY TELEPHONE (817) 252-4014.

CREATE A DIRECTORY IN EACH PANELBOARD TO INDICATE INSTALLED CIRCUIT LOADS. INCORPORATE OWNER'S FINAL ROOM DESIGNATIONS. OBTAIN APPROVAL FROM THE OWNER'S PROJECT MANAGER BEFORE INSTALLING. USE A COMPUTER OR TYPEWRITER TO CREATE DIRECTORY; HANDWRITTEN DIRECTORIES ARE NOT ACCEPTABLE.

![](_page_59_Figure_17.jpeg)

A. DURATION TIMER OUTPUT RELAY CLOSES AND SENDS

CONTACTOR IS ENERGIZED AND TURNS ON.

REMAINS CLOSED AND SENDS 120V TO THE PHOTOCELL. B. IF PHOTOCELL IS OPEN (DAYLIGHT PRESENT) CONTACTOR

C. IF PHOTOCELL IS CLOSED (NO DAYLIGHT PRESENT) CONTACTOR IS ENERGIZED AND REMAINS ON. D. AT CONCLUSION OF SET TIME INTERVAL, THE OUTPUT RELAY OPENS AND SWITCHES OFF PHOTOCELL/CONTACTOR.

![](_page_59_Figure_25.jpeg)

TEL / SIGNAL SYSTEM DETAIL

E-104 NOT TO SCALE

$\langle 1 \rangle$	320 AMPERE METER & SOCKET, PER UTILITY REQUIREMENTS. SUITABLE FOR EXTERIOR APPLICATIONS. SERVICE SIZE: 400A, 120V/208Y, 3ø, 4W
$\langle 2 \rangle$	MAIN CIRCUIT BREAKER, 400 AMPERE, 3 POLE, SERVICE RATED
$\langle 3 \rangle$	100A, 3 POLE SUB-FEED CIRCUIT BREAKER
4	GENERAL PURPOSE CONTACTOR, 3 POLE, 240V, 100 AMPERE ELECTRICALLY HELD. 120V COIL.
$\langle 5 \rangle$	9 POLE RELAY FOR CONTROL OF EXTERIOR LIGHTING AND SIGN CIRCUITS, CONTROLLED BY PHOTOCELL AND DURATION TIMER
$\langle 5a \rangle$	DURATION TIMER, EATON TRLO7. SET FOR FIVE HOUR DELAY OFF PER MANUFACTURER'S INSTRUCTIONS. SEE DIAGRAM ON THIS SHEET
$\langle 6 \rangle$	INCOMING UNDERGROUND SECONDARY ELECTRIC SERVICE 208Y/120V 3Ø 4W. FROM UTILITY COMPANY TRANSFORMER

Larson Architectural Group 3000 WESTINGHOUSE DRIVE SUITE 400 CRANBERRY TWP, PA 16606 (724) 591-8562 MAVIS TIRE SUPPLY, LLC 358 SAW MILL RIVER ROAD MILLWOOD, NY 10546 (914) 984-2500 CLIENT CARO HARO FESSIO SEAL 056085 S MGINEER. CARRERA is item has been digitally signed and sealer is Carrera Diaz on date above using a digit signature. Printed copies of this do considered signed and sealed and on any electronic copies. AVI TIRES AT DISCOUNT P  $\mathbf{O}$ ORD,N( S Ш EDULI **SANF**( C Z CH RD **N** I O #2266 ш AN Ś Δ S ND **BRAKE** RO 4 Ц AΜ 8 O U AR S 4 Ш D TIR R AVIS 1605 ш RISI

Project No.: 11432-187

Sheet No.:

![](_page_59_Picture_31.jpeg)

![](_page_60_Figure_0.jpeg)

![](_page_61_Figure_0.jpeg)

SCALE: 1/8" = 1'-0"

C-3950

![](_page_61_Picture_4.jpeg)

X	HORN / STROBE COMBINATION NOTIFICATION DEVICE, WALL MOUNTED
8	STROBE NOTIFICATION DEVICE, CEILING MOUNTED
ğ	HORN / STROBE COMBINATION NOTIFICATION DEVICE, CEILING MOUNTED
F	MANUAL PULL STATION INITIATION DEVICE
$\langle \mathbf{s} \rangle$	DUCT SMOKE DETECTOR INITIATION DEVICE
	DUCT SMOKE DETECTOR REMOTE ALARM / TEST SWITCH
$\langle \mathbf{S} \rangle$	PHOTOELECTRIC SMOKE DETECTOR INITIATION DEVICE
$\langle \mathbf{I} \rangle$	HEAT DETECTOR INITIATION DEVICE
$\mathbf{O}$	CARBON MONOXIDE DETECTOR INITIATION DEVICE
M	SERIALIZED INTERFACE MODULE
FACP	FIRE ALARM CONTROL PANEL
DOC	FIRE ALARM DOCUMENT BOX
FCOM	FIRE ALARM COMMUNICATOR
ANN	GRAPHIC ANNUNCIATOR

SYMBOL LEGEND

STROBE NOTIFICATION DEVICE, WALL MOUNTED

SYMBOL

DESCRIPTION