TORRID

CHAMPLAIN PLACE

477 PAUL ST. SPACE# H005A

DIEPPE, NB E1A 4X5

"NEW MALL C"

ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR	FIN.	FINISH (ED)	PVC.	POLYVINYL CHLORIDE
A.F.C.	ABOVE FINISHED CEILING	F.E.	FIRE EXTINGUISHER	P.M.	PROJECT MANAGER
AC.T.	ACOUSTICAL TILE	FP.	FIREPROOFING	R.A.	RETURN AIR
ADJ.	ADJACENT	F.D.	FLOOR DRAIN	R.C.P.	REFLECTED CEILING PLAN
ALT.	ALTERNATE	FLUOR.	FLUORESCENT	REF.	REFERENCE
APPROX.	APPROXIMATE	F.R.T.	FIRE RETARDANT TREATED	REG.	REGISTER
ARCH.	ARCHITECT (URAL)	FURR.	FURRED (ING)	REINF.	REINFORCE (D), (ING)
BLK.	BLOCK	GA.	GAUGE	REQ'D.	REQUIRED (REQ.)
BLKG.	BLOCKING	GALV.	GALVANIZED	REV.	REVISION (S), REVISED
BD.	BOARD	G.C.	GENERAL CONTRACTOR	R.O.	ROUGH OPENING
CLG.	CEILING	GYP. BD.	GYPSUM BOARD	SHT.	SHEET
CLG.HT.	CEILING HEIGHT	H.V.A.C.	HEATING/VENTILATION/ AIR CONDITIONING	SIM.	SIMILAR
CLR.	CLEAR (ANCE)			S.C.	SOLID CORE
CLO.	CLOSET	H.C.	HOLLOW CORE	S.S.	STAINLESS STEEL
COL.	COLUMN	H.M.	HOLLOW METAL	STD.	STANDARD
C.M.U.	CONCRETE MASONRY UNIT	HORIZ.	HORIZONTAL	STL.	STEEL
CONST.	CONSTRUCTION	H.W.	HOT WATER	STO.	STORAGE
COORD.	COORDINATE	IN.(")	INCH	S.D.	STORM DRAIN
CORR.	CORRIDOR	INT.	INTERIOR	STRUCT.	STRUCTURAL
CTR.	CENTER	JT.	JOINT	SUSP.	SUSPENDED
C.T.	CERAMIC TILE	MFR.	MANUFACTURE (R)	T.B.D.	TO BE DETERMINED
DET.	DETAIL	MECH.	MECHANIC (AL)	TEL.	TELEPHONE
DIAG.	DIAGONAL	MTL.	METAL	TS.	TUBE STEEL
DIA.	DIAMETER	MEZZ.	MEZZANINE	TYP.	TYPICAL
DIF.	DIFFUSER	MIN. (')	MINIMUM, MINUTE	U.N.O.	UNLESS NOTED OTHERWISE
DIM.	DIMENSION	MISC.	MISCELLANEOUS	VERT.	VERTICAL
DISP.	DISPENSER	N.I.C.	NOT IN CONTRACT	VEST.	VESTIBULE
DR.	DOOR	N.T.S.	NOT TO SCALE	V.C.T.	VINYL COMPOSITION TILE
DWG.	DRAWING	NO. or #	NUMBER	V.I.F.	VERIFY IN FIELD
ELEC.	ELECTRICAL	O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED	W.C.	WATER CLOSET
E.P.	ELECTRIC PANEL			WP.	WATERPROOF(ING)
ELEV.	ELEVATION	O.F.O.I.	OWNER FURNISHED OWNER INSTALLED	WS.	WEATHER STRIPPING
E.W.C.	ELECTRIC WATER COOLER	O.C.	ON CENTER (S)	W/	WITH
EXIST	EXISTING	OPP.	OPPOSITE	W/O	WITHOUT
EQUIP.	EQUIPMENT	P. L.	PLASTIC LAMINATE	WD.	WOOD
EXH.	EXHAUST	PLBG.	PLUMBING		
EXP. JT.	EXPANSION JOINT	PWD.	PLYWOOD		

GRAPHIC SYMBOLS

DETAIL NUMBER — SHEET WHERE DETAIL IS SHOWN: 3 / A100

SECTION CUT: 3 / A100

BUILDING CROSS SECTION: 4 / A100

ELEVATION: 4 / A100

ROOM NUMBER: ROOM

KEY NOTE: 2

PARTITION TYPE: 2

DOOR NUMBER: 4

ELEVATION BENCHMARK

REVISION NUMBER: 7

GENERAL NOTES

1. BEFORE PROCEEDING WITH AND SUBMITTING BID PROPOSALS FOR THE WORK IN THESE SPECIFICATIONS & DRAWINGS, EACH CONTRACTOR/ SUBCONTRACTOR SHALL EXAMINE THE SITE AND FAMILIARIZE THEMSELVES WITH ALL EXIST. CONDITIONS. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF A MISUNDERSTANDING AS TO THE AMOUNT OF WORK INVOLVED OR LACK OF KNOWLEDGE OF EXISTING CONDITIONS. IN CASE OF ANY INCONSISTENCIES OR DISCREPANCIES BETWEEN DRAWINGS, THE MOST STRINGENT NOTE OR CONDITION SHALL APPLY AND THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF SUCH DISCREPANCIES. NOT REPORTING ANY SUCH UNSUITABLE CONDITION WILL CONSTITUTE ACCEPTANCE OF ALL CONDITIONS BY CONTRACTOR AND/OR SUBCONTRACTOR.
2. PERSONALLY SUPERVISE & DIRECT ALL WORK. BE RESPONSIBLE FOR ALL CONSTRUCTION AND INSTALLATION METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND FOR COORDINATION OF ALL TRADES OF REQUIRED WORK.
3. APPROVAL OF SHOP DRAWINGS IS FOR THE GENERAL METHOD OF FABRICATION ONLY. DIMENSIONS & QUANTITIES MAY NOT BE CHECKED, AND APPROVAL OF SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE W/ THE REQUIREMENT OF THE DRAWINGS & SPECIFICATIONS UNLESS SPECIFICALLY INDICATED IN THE APPROVAL.
4. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS GOVERN. FIELD VERIFY ALL DIMENSIONS AND SITE CONDITIONS.
5. ALL DIMENSIONS ARE TO THE FACE OF GYPSUM BOARD FINISH, UNLESS OTHERWISE NOTED.
6. WHEREVER EXISTING CONDITIONS ARE TO BE CUT OR DISTURBED TO ALLOW INSTALLATION OF NEW WORK, THIS CONSTRUCTION SHALL BE PATCHED TO MATCH THE ORIGINAL CONSTRUCTION METHOD AND FINISH.
7. ALL PENETRATIONS THROUGH FIRE RESISTIVE FLOORS, WALLS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION METHODS THAT CONFORM TO U.L. STANDARDS FOR FIRESTOP SYSTEMS. THE GC SHALL SUBMIT SHOP DRAWING DETAILS WHICH SHOW COMPLETE CONFORMANCE TO THE U.L. LISTING TO THE ARCHITECT.
8. ALL MANUFACTURED ARTICLES, MATERIALS & EQUIPMENT SHALL BE CONDITIONED, USED, INSTALLED, CONNECTED, ERECTED, & CLEANED IN ACCORDANCE W/ THE MANUFACTURER'S WRITTEN SPECIFICATIONS OR INSTRUCTIONS.
9. CONTRACTOR'S CARTS, EQUIP. BOXES, ETC., MUST BE EQUIPPED WITH RUBBER WHEELS.

PROJECT DATA

1. **PROJECT NAME:** . . . . . TORRID # 3529
2. **PROJECT DESCRIPTION:** . . . . . CLOTHING SALES (RETAIL) – NEW TENANT BUILD OUT
3. **PROJECT LOCATION:** . . . . . CHAMPLAIN PLACE
   477 PAUL ST.
   DIEPPE, NB E1A 4X5
4. **TENANT:** . . . . . TORRID
   18305 E. SAN JOSE AVENUE
   CITY OF INDUSTRY, CALIFORNIA 91748
   PHONE # (310) 938-5552
   CONTACT: WESTON MARTIN (PROJECT MANAGER)
   EMAIL: wmartin@hottopic.com
5. **LANDLORD:** . . . . . CADILLAC FAIRVIEW
   477 PAUL STREET
   DIEPPE, NB E1A 4X5
   CONTACT: KEVIN IP
   EMAIL: Kevin.ip@cadillacfairview.com
6. **TENANT'S ARCHITECT:** . . . . . ARCVISION INC.
   1950 CRAIG RD. – SUITE 300
   ST. LOUIS, MO 63146
   PHONE # (800) 489-2233
   CONTACT: AUTUMN BRIGHTWELL
7. **BUILDING DEPARTMENT:** . . . . . CITY OF DIEPPE, DEVELOPMENT & CONSTRUCTION
   VILLE DE DIEPPE TOWN HALL
   333 ACADIE AVE. DIEPPE, NB, E1A 1G9
   PHONE # (506) 877-7900
   CONTACT: CHIEF BUILDING INSPECTOR
8. **GOVERNING CODES:** . . . . . ALL WORK SHALL BE IN CONFORMANCE WITH, BUT NOT LIMITED TO, THE REQUIREMENTS OF THE FOLLOWING AND ANY OTHER STATE AND LOCAL CODES HAVING JURISDICTION.

   PENNSYLVANIA UNIFORM CONSTRUCTION CODE (UCC)

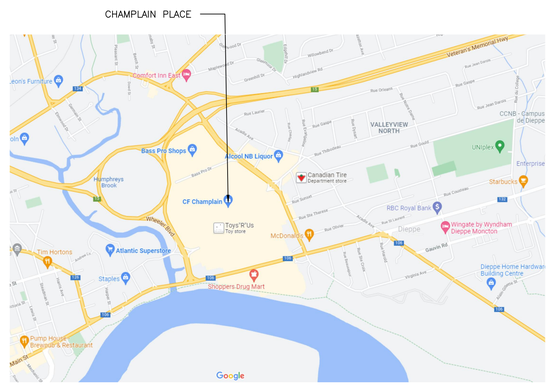
   BUILDING: 2015 NATIONAL BUILDING CODE
   PLUMBING: 2015 NATIONAL PLUMBING CODE
   MECHANICAL: 2015 NATIONAL MECHANICAL CODE
   FIRE: 2015 NATIONAL FIRE CODE
   ELECTRICAL: 2015 NATIONAL ELECTRICAL CODE
9. **CONSTRUCTION TYPE:** . . . . . II-B
10. **OCCUPANCY:** . . . . . M (MERCANTILE)
11. **GROSS LEASED PREMISES:** . . . . 2,960 SQ. FT.
12. **OCCUPANCY LOADS:** . . . . . **SALES FLOOR** 1,825 SQ. FT. DIVIDED BY 60 = 31
    FITTING ROOMS 376 SQ. FT. DIVIDED BY 60 = 7
    STOCK ROOM 759 SQ. FT. DIVIDED BY 300 = 3
    TOTAL OCCUPANTS = 41
    * TOTAL NUMBER OF EMPLOYEES AT ONE TIME = 4
13. **FIRE SUPPRESSION SYSTEM:** . . . . . **YES** ☒ **NO** ☐
14. **MISCELLANEOUS NOTES:** . . . . . TENANT'S GENERAL CONTRACTOR SHALL VISIT THE PREMISES AND VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION AND SHALL REPORT ALL DISCREPANCIES TO TENANT'S ARCHITECT. TENANT'S GENERAL CONTRACTOR SHALL CONFORM TO ALL REQUIREMENTS REGARDING CONSTRUCTION PROCEDURES, INSURANCE, ETC., AS SET FORTH BY THE LANDLORD.
15. **FIRE SPRINKLERS:** . . . . . AN AUTOMATIC FIRE SPRINKLER SYSTEM IS EXISTING WITHIN THIS SPACE. THE CONTRACTOR SHALL REWORK AND MODIFY FOR NEW ROOM LAYOUT & CEILING HEIGHTS IN CONFORMANCE WITH N.F.P.A. 13 STANDARDS & LOCAL CODES & REGULATIONS. ALL WORK SHALL BE DONE BY A QUALIFIED SPRINKLER CONTRACTOR WHO SHALL DESIGN & PREPARE SHOP DRAWINGS & SUBMIT THEM TO THE LANDLORD FOR APPROVAL PRIOR TO FABRICATION & INSTALLATION. SPRINKLER CONTRACTOR SHALL BE LANDLORD APPROVED. HEADS IN CEILING TILES TO BE CENTERED IN TILES WHEN IN A PUBLIC AREA.

NOTE:
FIRE SPRINKLER DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BE SUBMITTED BY THE LICENSED FIRE SPRINKLER CONTRACTOR TO THE GOVERNING MUNICIPALITY FOR APPROVAL PRIOR TO ANY WORK BEING PERFORMED.

G.C. NOTE:
ALL SUBCONTRACTORS SHALL RECEIVE A COMPLETE SET OF CONSTRUCTION DOCUMENTS AND SPECIFICATIONS AND SHALL BE RESPONSIBLE FOR THEIR COMPLETE SCOPE OF WORK REGARDLESS OF WHERE IN THE DOCUMENT SET THE DESCRIPTION OF WORK APPEARS.

SITE LOCATION PLAN

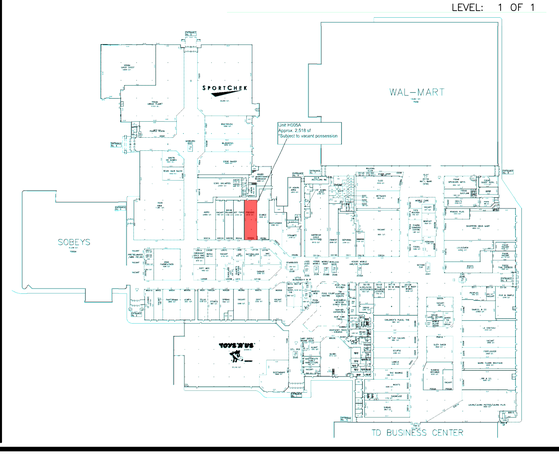
NORTH



SPACE LOCATION PLAN

NORTH

LEVEL: 1 OF 1



DETAILED SCOPE OF WORK

PROJECT SCOPE: NEW TORRID SPACE TENANT BUILD OUT IN AN EXISTING SHELL BUILDING FOR THE SALE OF RETAIL CLOTHING, SHOES, AND ACCESSORIES. REMOVE NON-LOAD BEARING INTERIOR WALLS & INSTALL NEW NON-LOAD BEARING WALLS. INSTALL TENANT FIXTURES & LIGHTING. REUSE HVAC WITH SOME NEW DUCTS AS PER MECH. SHEETS, WITHIN PREVIOUS TENANT USE/ LEASED PREMISES.

DRAWING INDEX

	SHEET	DESCRIPTION	REV	DATE
1	T0.0	TITLE SHEET		
2	T1.0	ARCHITECTURAL SPECIFICATIONS		
3	T2.0	ARCHITECTURAL SCHEDULES		
4	D1.0	DEMOLITION PLAN		
5	A1.0	FLOOR PLAN		
6	A2.0	REFLECTED CEILING PLAN		
7	A3.0	FIXTURE/ FLOOR FINISH PLAN		
8	A3.1	STANDARD DETAILS		
9	A4.0	SALES AREA ELEVATIONS		
10	A4.1	TYPICAL FITTING ROOM DETAILS		
11	A4.2	STOCKROOM ELEVATIONS		
12	A5.0	STOREFRONT PLAN & ELEVATION		
13	A7.0	SECTIONS & DETAILS		
14	M1.0	MECHANICAL PLAN		
15	M2.0	MECHANICAL DETAILS & CALCS.		
16	M3.0	MECHANICAL SPECS		
17	E1.0	ELECTRICAL POWER PLAN		
18	E2.0	ELECTRICAL LIGHTING PLAN		
19	E3.0	PANEL SCHEDULES AND RISER DIAGRAM		
20	E4.0	ELECTRICAL SPECIFICATIONS		

TORRID PRE/POST PUNCHLIST

1. FRONT & BACK DOORS TO HAVE A 7-PIN CYLINDER FOR TD PROVIDED CORES.
2. IF NOT ALREADY EXISTING, GC TO FURNISH & INSTALL A PEEP HOLE AT 5'-0" AFF IN BACK DOOR.
3. GC TO INSTALL A PRY PLATE ON BACKDOOR IF NOT EXISTING.
4. GC TO FURNISH AND INSTALL A NEW BATTERY FOR THE DETEX IN BACK DOOR.
5. GC TO INSTALL 2 INK TAG DETACHERS IN CASHWRAP.
6. CORK BOARDS TO BE INSTALLED IN BACK ROOM/HALLWAY BY GC AT STORE OPERATIONS DISCRETION.
7. ADA STICKERS & SIGNS TO BE INSTALLED BY GC ON CASHWRAP, FRONT WINDOW, & FITTING ROOM.
8. LOCKING COVER ON THERMOSTAT
9. GC TO SUPPLY 8 KEYS FOR FITTING ROOM DOORS (IF MULTIPLE FITTING ROOMS, EACH DOOR IS TO BE KEYED ALIKE)
10. GC TO CAULK AROUND FITTING ROOM BENCHES & BASE BOARDS W/CLR. SILICONE
11. IF REUSING AN ADA FITTING ROOM, GC TO ADD A FITTING ROOM HOOK AT 48" NEXT TO FITTING ROOM BENCH

REGISTRATION SEAL

ARCVISION MANAGEMENT CONSULTANTS

TORRID

CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

PROJECT NO: 210807
DRAWN BY: CLS
CHECKED BY: ACB
ISSUE DATE: 01/20/22

TITLE SHEET

T0.0

00700 GENERAL CONDITIONS:

AS INDICATED IN THE AID DOCUMENT #A201 "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION" 1987 EDITION.

00810 MODIFICATIONS TO GENERAL CONDITIONS:

ARTICLE 4

4.4.1 ADD THE FOLLOWING: UTILITIES SHALL INCLUDE A JOB TELEPHONE TO BE INSTALLED WITHIN FIVE (5) WORKING DAYS AFTER COMMENCEMENT OF THE WORK. COORDINATE WITH TENANT UTILITY MANAGER.

4.10.1 ADD THE FOLLOWING: CONTRACTOR SHALL SUPPLY PROJECT MANAGER WITH A COMPLETE LIST OF ALL SUB-CONTRACTORS INVOLVED WITH THE WORK, (NAME, ADDRESS AND TELEPHONE NUMBER) WITH SECOND APPLICATION FOR PAYMENT . SEND TWO COPIES TO THE HOME OFFICE, ATTENTION STORE PLANNING. HVAC AND H.W. HEATER INFORMATION MUST BE NOTED. REFER TO TENANT FORM.

01010 SUMMARY OF WORK:

WORK OF CONTRACT CAN BE SUMMARIZED BY REFERENCE TO THE CONTRACT, GENERAL CONDITIONS, SPECIFICATIONS, DRAWINGS, ADDENDA AND MODIFICATIONS TO THESE DOCUMENTS ISSUED SUBSEQUENT TO THE INITIAL PRINTING OF SAME.

A RESPONSIBILITY SCHEDULE IS INDICATED ON THE PLANS. IT INCLUDES COORDINATION WITH OTHER WORK PERFORMED BY SEPARATE CONTRACTORS OF THE PROJECT.

CONTRACTOR RESPONSIBILITY:

GENERAL CONTRACTOR SHALL PROVIDE AND PAY FOR: LABOR, MATERIAL, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT, MACHINERY, WATER, HEAT AND UTILITIES REQUIRED FOR CONSTRUCTION AS WELL AS ANY OTHER FACILITIES AND SERVICE NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK.

GENERAL CONTRACTOR SHALL SECURE AND PAY FOR THE FOLLOWING ITEMS, NECESSARY FOR EXECUTION AND COMPLETION OF THE WORK, AND AS APPLICABLE AT THE TIME OF RECEIPT OF BIDS: PERMITS, FEES, LICENSES, BONDS AND INSURANCE'S REQUIRED BY LOCAL AUTHORITIES AND/OR LANDLORD.

REGULATORY AGENCIES:

ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES HAVING JURISDICTION, AND IN ACCORDANCE WITH THE "DESIGN CRITERIA FOR TENANT WORK" ISSUED BY THE LANDLORD.

REFERENCE STANDARDS:

COMPLY WITH THE APPLICABLE SPECIFICATIONS AND STANDARDS OF UL, ASTM, ANSI, AWI, NEMA, AIA AND ALL OTHER STANDARDS OF MANUFACTURERS ASSOCIATIONS.

QUALITY ASSURANCE:

THE CONTRACTOR ASSUMES OVERALL RESPONSIBILITY FOR THE WORK OF THIS PROJECT TO ASSURE THAT ALL ASSEMBLES, COMPONENTS AND PARTS INDICATED OR REQUIRED COMPLY WITH CONTRACT DOCUMENTS. ANY SUBSTITUTIONS MADE BY THE CONTRACTOR WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER WILL BE REJECTED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR ALSO ASSURES THAT ALL COMPONENTS, SPECIFIED OR REQUIRED TO SATISFACTORILY COMPLETE THE INSTALLATION ARE COMPATIBLE WITH EACH OTHER, WITH ADJOINING SUBSTRATES, MATERIALS AND WORK BY OTHER TRADES, AND WITH THE CONDITIONS OF INSTALLATION AND EXPECTED USE.

FIRE-RATED CONSTRUCTION:

WHEREVER A FIRE RESISTANCE CLASSIFICATION IS INDICATED OR REQUIRED FOR CONSTRUCTION, PROVIDE MATERIALS, ACCESSORIES AND APPLICATION PROCEDURES WHICH COMPLY WITH THE REQUIREMENTS OF UL "FIRE RESISTANCE INDEX" FOR THE UL DESIGN NUMBERS CORRESPONDING WITH THE CONSTRUCTION ASSEMBLIES INDICATED.

01030 SHORT / DAMAGED FREIGHT:

INDICATED BELOW ARE INSTRUCTIONS ON HOW TO HANDLE SHORT, OR DAMAGED FREIGHT:

1. BEFORE SIGNING THE FREIGHT BILL, NOTE SPECIFICALLY THE ITEM(S) DAMAGED OR MISSING i.e., ONE LIGHT FIXTURE, TWO PIECES OF SLATWALL, ETC.
2. AFTER DAMAGED OR MISSING ITEMS ARE NOTED ON FREIGHT BILL, HAVE CARRIER'S DRIVER ALSO SIGN IT. THIS WILL VERIFY THAT BOTH PARTIES AGREE TO THE EXTENT OF DAMAGE OR SHORT ITEMS.
3. THERE ARE TIMES WHEN DAMAGE IS DISCOVERED ONLY UPON UNPACKING THE FREIGHT. IN ORDER TO RECEIVE PAYMENT FROM FREIGHT COMPANY, WE MUST PROVE THAT THE FREIGHT WAS DELIVERED IN DAMAGED CONDITION. THEREFORE, ALL CARTONS MUST BE INSPECTED FOR SIGNS OF DAMAGE OR ABUSE AND THIS IS TO BE NOTED WITHIN 24 HRS.
4. PHONE THE TRAFFIC DEPARTMENT AT LAUREL, BLAIR BUCHANAN (856) 461-6600 EXT. 306, AND ADVISE EXTENT OF DAMAGE OR SHORTNESS AND TO RECEIVE DISPOSITION INSTRUCTIONS.
5. BE SURE TO CONTACT THE PROJECT MANAGER WITHIN 24 HRS. TO INFORM HIM/HER OF THE LOSS SO THAT, IF NECESSARY, THE ITEM(S) CAN BE REORDERED.

PROTECTION OF MATERIALS / FURNITURE ON SITE:

G.C. IS RESPONSIBLE FOR THE SECURITY, CARE AND DAMAGE PREVENTION OF ALL MATERIALS AFTER DELIVERY TO JOB SITE. G.C. WILL BE BACKCHARGED FOR DAMAGES AND MISSING ITEMS.

01500 EXISTING CONDITIONS:

GENERAL CONTRACTOR IS TO VISIT THE JOB SITE TO INSPECT THE EXISTING CONDITIONS AND TO VERIFY THE AMOUNT OF WORK THAT WILL BE NECESSARY FOR THE PROJECT TO BE COMPLETED ACCORDING TO THE CONSTRUCTION DOCUMENTS.

EXAMINE THE SUBSTRATES AND ADJOINING CONSTRUCTION, AND THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. DO NOT PROCEED WITH THE WORK UNTIL UNSATISFACTORY CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY COMPLETION OF THE WORK HAVE BEEN CORRECTED.

BEFORE PERFORMING ANY WORK OR ORDERING ANY MATERIAL, THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF ANY EXISTING OR NEW WORK AND SHALL BE RESPONSIBLE FOR THEIR ACCURACY. ANY DIFFERENCES FOUND SHALL BE SUBMITTED TO THE OWNER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.

01610 PRODUCT HANDLING:

DELIVER AND STORE MATERIALS IN SEALED CONTAINERS AND BUNDLES, FULLY IDENTIFIED WITH MANUFACTURER'S NAME, BRAND, TYPE AND GRADE. PROTECT MATERIALS FROM CORROSION AND DAMAGE. STORE IN A DRY VENTILATED SPACE, OFF THE GROUND. COORDINATE ALL DELIVERIES WITH THE MALL LANDLORD AND TENANT SUPPLIED MATERIAL VENDORS.

GENERAL CONTRACTOR WILL RECEIVE AND UNLOAD ALL FIXTURES FROM THE FIXTURE SUPPLIER, ACCORDING TO THE TERMS AND CONDITIONS IMPOSED BY THE MALL DEVELOPER, I.E. SPECIAL TIMES TO UNLOAD, ETC. FIXTURES TO BE SET BY GENERAL CONTRACTOR.

GENERAL CONTRACTOR WILL NOTIFY TENANT IMMEDIATELY OF ANY MISSING OR DAMAGED ITEMS THAT TENANT SUPPLIES AND GENERAL CONTRACTOR INSTALLS. HE WILL OBTAIN AND FILL ALL NECESSARY PAPERWORK REQUIRED IN ORDER TO FACILITATE TENANT IN HIS ABILITY TO PROPERLY FILE CLAIM FOR DAMAGES OR LOSSES. REFER TO TENANT SHORTAGE/DAMAGED GOODS POLICY INCLUDED IN BID INSTRUCTIONS FROM TENANT.

0710 CLEANING/ADJUSTING/MAINTENANCE/WARRANTIES:

EXECUTE PERIODIC CLEANING DURING PROCESS OF WORK, AND AT COMPLETION OF THE WORK, SO THAT ALL FINISHED SURFACES ARE FREE OF ANY FOREIGN MATERIAL. CONDUCT CLEANING AND DISPOSAL OPERATIONS TO COMPLY WITH CODES, ORDINANCES, REGULATIONS, ANTI-POLLUTION LAWS AND LANDLORD REQUIREMENTS. REMOVE GREASE, MASTIC, ADHESIVES, DIRT, STAINS, LABELS AND OTHER FOREIGN MATERIALS FROM SIGHT EXPOSED SURFACES. GENERAL CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS FROM JOBSITE, ON A DAILY BASIS.

PROTECTION:

PROTECT AND MAINTAIN ALL WORK THROUGHOUT CONSTRUCTION SO THAT IT WILL BE FREE OF DAMAGE AT THE TIME OF ACCEPTANCE BY THE TENANT.

COMPLETION:

STORE TO BE READY FOR OCCUPANCY - ALL SURFACES CLEAN.

01700 CLEANING/ADJUSTING/MAINTENANCE/WARRANTIES:

PART 1 - GENERAL

A. FINAL CLEANING
   1. GENERAL CONTRACTOR TO PROVIDE A PROFESSIONAL CLEANING SERVICE TO EXECUTE FINAL CLEANING PRIOR TO
B. ADJUSTING
   1. ADJUST OPERATING PRODUCTS AND EQUIPMENT TO ENSURE TURN-OVER.
C. OPERATION AND MAINTENANCE DATA
   1. SUBMIT DATA BOUND IN 8-1/2x11 INCH TEXT PAGES, THREE D PRODUCTS IN QUANTITIES SPECIFIED IN INDIVIDUAL SPECIFICATION SECTIONS.
   2. PREPARE BINDER COVER WITH PRINTED TITLE "OPERATION & MAINTENANCE INSTRUCTIONS", TITLE OF PROJECT. SIDE RING BINDER W/ DURABLE PLASTIC COVERS.

PART 2 - PREPARATION / EXECUTION:

A. FINAL CLEANING
   1. CLEAN INTERIOR AND EXTERIOR GLASS, SURFACES EXPOSED TO VIEW; REMOVE TEMPORARY LABELS, STAINS & FOREIGN SUBSTANCES, POLISH TRANSPARENT AND GLOSSY SURFACES, VACUUM CARPETED AND SOFT SURFACES.
   2. CLEAN EQUIPMENT AND FIXTURES TO A SANITARY CONDITION WITH CLEANING MATERIALS APPROPRIATE TO THE SURFACE AND MATERIAL BEING CLEANED.
   3. REMOVE WASTE & SURPLUS MATERIALS, RUBBISH & CONSTRUCTION FACILITIES FROM THE SITE.

02050 DEMOLITION:

ANY AND ALL DEMOLITION REQUIRED TO COMPLETE CONSTRUCTION FOR THIS PROJECT MUST BE CONSIDERED PART OF THIS CONTRACT AND SHOULD BE EXECUTED IN ACCORDANCE WITH THE LANDLORD'S REQUIREMENTS. REQUIREMENTS.
THE CONSTRUCTION DOCUMENTS INDICATED EXISTING CONDITIONS, WALLS, AREAS TO REMAIN BUT THE ARCHITECT DOES NOT CERTIFY THAT ALL DEMOLITION WORK IS INDICATED ON THE PLANS. ANY ITEMS INDICATED AS EXISTING, TO REMAIN, HAVE TO BE INSPECTED BY THE GENERAL CONTRACTOR TO DETERMINE IF ANY OF THESE ITEMS CAN BE REUSED. AT THE END OF CONSTRUCTION, THE EXISTING WALLS, AREAS, ETC., SHOULD BE LIKE-NEW CONSTRUCTION. ALL DEMOLISHED WORK SHALL BE REMOVED FROM THE PROJECT SITE AND LEGALLY DISPOSED OF. NO CONSTRUCTION MATERIALS ARE TO BE DISPOSED OF IN THE MALL TRASH RECEPTACLES OR DUMPSTERS WITHOUT LANDLORD'S PRIOR APPROVAL. REFER TO DEMOLITION PLAN NOTES.

1. SCOPE: FURNISH EQUIPMENT AND PERFORM LABOR REQUIRED TO EXECUTE THIS WORK AS INDICATED ON THE DRAWINGS AS SPECIFIED AND AS NECESSARY TO COMPLETE THE CONTRACT, INCLUDING, BUT NOT LIMITED TO, THESE MAJOR ITEMS.
   A. PROTECTION OF EXISTING WORK TO REMAIN.
   B. DEMOLISH EXISTING CONSTRUCTION WHERE INDICATED ON THE DRAWINGS AND WHERE REQUIRED BY JOB CONDITIONS.
   C. REMOVAL OF PARTITIONS, DOORS, FLOOR COVERINGS, AND CEILINGS.
   D. REMOVAL AND CAPPING OF MECHANICAL AND ELECTRICAL FIXTURES AND SERVICES.
   E. DEBRIS REMOVAL AND DISPOSAL.
   F. REMOVAL OR CORING OF PORTIONS OF THE EXISTING CONCRETE SLAB AS REQUIRED FOR SERVICE AND EQUIPMENT LINE INSTALLATION. PATCHING SHALL BE ACCEPTABLE TO THE POINT THAT THE FINISH WILL ACCEPT SCHEDULED FINISH MATERIAL WITH NO NOTICEABLE EFFECT OF AN ALTERATION HAVING BEEN MADE.
   G. REMOVAL OF ANY EXISTING STOREFRONT, INCLUDING OVERHEAD ROLL-UP GRILLE.
2. GENERAL REQUIREMENTS
   A. THE CONTRACTORS SHALL BE FULLY RESPONSIBLE FOR THE ADEQUACY AND INSTALLATION OF ALL TEMPORARY SHORING SYSTEMS USED DURING THE REMOVING OF ALL STRUCTURAL ELEMENTS.
   B. THE DRAWINGS DO NOT NECESSARILY INDICATE THE FULL EXTENT OF THE WORK REQUIRED TO BE PERFORMED. INSPECT THE EXISTING CONSTRUCTION CAREFULLY TO DETERMINE THE FULL EXTENT OF WORK TO BE PERFORMED AND THE PROBLEMS INVOLVED. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF FAILURE TO ESTIMATE THE FULL EXTENT OF THE WORK OR FOR ANY CONTINGENCY ALLOWANCES.
   C. ALL WORK SHALL BE PERFORMED BY SKILLED AND PROPERLY EQUIPPED PERSONNEL. DEMOLITION AND REMOVAL OF ITS ITEMS SCAFFOLD HIGH OR HIGHER SHALL BE LOWERED BY CONTROLLED METHODS, NOT BY THROWING OR DROPPING. PERFORM CUTTING AND STRIPPING SO THAT THE WORK TO REMAIN IS UNDAMAGED AND IN SUCH A MANNER THAT NEW WORK CAN BE PROPERLY BE CONNECTED WITH IT.
   D. UNFORESEEN CONDITIONS: INCLUDE IN THE BASE BID MISCELLANEOUS CUTTING AND PATCHING NECESSITATED AS A RESULT OF UNFORESEEN CONDITIONS AND THE REWORKING OF ABUTTING SURFACES AS REQUIRED TO MAKE NEW WORK JOIN AND MATCH EXISTING SURFACES TO REMAIN. NO EXTRA PAYMENTS BASED ON THE PLEA OF UNFORESEEN CONDITIONS WILL BE ALLOWED.
   E. G.C. TO COORDINATE WITH THE LANDLORD ALL WORK THAT MAY EFFECT NORMAL DAILY OPERATIONS OF THE LANDLORD PREMISES AND COMPLY WITH ALL RESTRICTIONS THE LANDLORD MAY HAVE ON DEMOLITION AND/ORCONSTRUCTION SCHEDULES. COOPERATE FULLY TO THE END THAT CERTAIN FACILITIES AND SERVICES ARE MAINTAINED IN OPERATION UNTIL IMMEDIATELY BEFORE THEIR REMOVAL IS REQUIRED TO PERMIT INSTALLATION OF NEW WORK.
   F. NOISE CONTROL: CARRY ON ALL WORK IN A MANNER WHICH WILL PRODUCE THE LEAST AMOUNT OF NOISE. INSTRUCT ALL WORKERS IN NOISE CONTROL PROCEDURES.
3. PROTECTION OF PERSONNEL: ERECT SIGNS, BARRICADES AND SUCH OTHER FORMS OF WARNING AS MAY BE REQUIRED TO PREVENT PERSONNEL FROM PUTTING THEMSELVES IN THE WAY OF INJURY.
4. MECHANICAL, ELECTRICAL, AND PLUMBING
   A. CAREFULLY REVIEW PLANS AND DETERMINE LINES TO BE REMOVED AND THOSETO BE KEPT ACTIVE OR TO BE REACTIVATED. PROTECT LINES TO REMAIN. PROVIDE FOR MINIMUM SERVICE INTERRUPTION OF LINES TO REMAIN.
   B. REMOVE LINES COMPLETELY WHENEVER POSSIBLE. CUT AND CAP OR PLUG TO PREVENT ESCAPE OF GAS, LIQUID, ETC.. BEHIND THE BACK OF THE FINISH MATERIAL.
   C. REPAIR, REPLACE, OR MAKE GOOD DAMAGE TO EXISTING CONSTRUCTION WHICH OCCURS AS A RESULT OF DEMOLITION OPERATIONS, AT NO ADDITIONAL COST TO OWNER, THE ARCHITECT OF RECORD, OR THE LANDLORD. THESE REPAIRS SHALL INCLUDE ANY ROOF PATCHING REQUIRED DUE TO DEMOLITION AND SHALL BE COORDINATED WITH LANDLORD AND LANDLORD'S ROOFING CONTRACTOR.

03010 CONCRETE:

WHEN THE CONCRETE FLOOR SLAB IS EXISTING, PREPARE THE SLAB TO RECEIVE FINISH AS INDICATED ON THE PLANS. WHEN ON A GROUND FLOOR LOCATION, THE CONCRETE SLAB FLOOR SHALL BE SEALED IN THE AREAS TO RECEIVE CARPETING. WHEN SLAB FLOOR IS TO BE EXECUTED AS PART OF THE CONTRACT, FOLLOW LANDLORD'S DIRECTIONS AND SPECIFICATIONS.

03015 FLOOR SLAB MODIFICATIONS:

GENERAL CONTRACTOR SHALL INSPECT THE EXISTING SLAB CONDITIONS TO DETERMINE THE AMOUNT OF CONCRETE FLOOR SLAB TO BE REMOVED AND REPLACED FOR INSTALLATION OF ELECTRICAL, MECHANICAL AND PLUMBING WORK AND STEEL COLUMNS FOR GRILLE SUPPORT. ALL CONCRETE TRENCHING AND REFILLING, AS WELL AS ANY AND ALL PENETRATIONS OF THE SLAB, SHALL BE EXECUTED IN ACCORDANCE WITH THE LANDLORD'S REQUIREMENTS.

05010 STRUCTURAL METALS:

THE DESIGN, FABRICATION AND INSTALLATION OF ALL MISCELLANEOUS METAL LINTELS, SUPPORTS AND FRAMING REQUIRED FOR ALL STORE FRONT WORK SHALL BE THE SOLE RESPONSIBILITY OF THE TENANT'S GENERAL CONTRACTOR.

06100 ROUGH CARPENTRY:

ALL WOOD FRAMEWORK, WOOD BLOCKING AND PLYWOOD CONSTRUCTION SHALL BE FIRE RETARDANT TREATED AS REQUIRED BY LOCAL CODES AND LANDLORD REQUIREMENTS.
PARTICLE BOARD SHALL BE UL CLASS 1 FIRE-RATED, SANDED AND PREPARED TO RECEIVE PLASTIC LAMINATE OR PAINTED METAL LAMINATE.
WOOD FRAMING MEMBERS SHALL BE NO. 1 LIGHT FRAMING DOUGLAS FIR OR NO. 2 OR BETTER YELLOW PINE OF THE DIMENSIONS INDICATED ON THE PLANS.
PLYWOOD SHALL BE GRADE B-D DOUGLAS FIR, SANDED AND PREPARED YO RECEIVE PLASTIC LAMINATE, METAL LAMINATE OR PAINT.
PLYWOOD BACKING PANELS FOR MOUNTING ELECTRICAL OR TELEPHONE EQUIPMENT SHOULD BE FIRE RETARDANT TREATED PLYWOOD WITH GRADE DESIGNATION, APA C-D NOT LESS THAN 3/4" THICK.
PROVIDE FASTENERS AND ANCHORAGE OF THE TYPE, SIZE, MATERIAL AND FINISH AS RECOMMENDED BY APPLICABLE STANDARDS, COMPLYING WITH APPLICABLE FEDERAL SPECIFICATIONS FOR NAILS, STAPLES, SCREWS, BOLTS, NUTS, WASHERS AND ANCHORING DEVICES. PROVIDE BLOCKING AS REQUIRED FOR INSTALLATION OF SHELVING, EQUIPMENT, ACCESSORIES, FIXTURES, AND FINISH HARDWARE OR OTHER HEAVY ITEMS ON WALLS.

06400 ARCHITECTURAL WOODWORK:

FINISHED WOODS SHALL BE OF THE TYPE SPECIFIED IN THE PLANS AND SHOULD COMPLY WITH PREMIUM GRADE WORK AS DESCRIBED IN "ARCHITECTURAL WOODWORK QUALITY STANDARDS" PUBLISHED BY THE ARCHITECTURAL WOODWORD INSTITUTE.

THE WOOD SHALL BE STRAIGHT AND FREE OF BLEMISHES AND OF SUFFICIENT LENGTH TO PERMIT A MINIMUM NUMBER OF JOINTS. CONDITION WOODWORK TO PREVAILING HUMIDITY CONDITIONS IN INSTALLATION AREAS PRIOR TO INSTALLING.

INSTALL WOODWORK PLUMB, LEVEL, TRUE AND STRAIGHT WITH NO DISTORTIONS. SHIM AS REQUIRED USING CONCEALED SHIMS. INSTALL TO A TOLERANCE OF 1/8" IN 8'-0" FOR PLUMB & LEVEL & W/ NO VARIATIONS IN FLUSHNESS OF ADJOINING SURFACES. ANCHOR WOODWORK TO ANCHORS, OR BLOCKING BUILT-IN, OR DIRECTLY ATTACHED TO SUBSTRATE. SECURE W/ CONCEALED FASTENERS.

ALL SURFACES SHALL BE SANDED TO A SMOOTH SURFACE, READY FOR STAINING OR FINISH PAINTING AS PER DETAILS AND SCHEDULES.

06410 HARDWARE:

HARDWARE SHALL BE OF THE TYPE, FINISH AND MANUFACTURER SHOWN. MANUFACTURER'S CATALOG NUMBERS USED HEREIN ARE INTENDED TO INDICATE THE QUALITY REQUIRED. ALTERNATE MANUFACTURERS AND PRODUCTS MAY BE SUBMITTED TO THE TENANT FOR SUBSTITUTION APPROVAL. NO OTHERS SHALL BE ACCEPTABLE.

FURNISH HARDWARE TEMPLATES IN A TIMELY MANNER TO THE VARIOUS AFFECTED TRADES FOR COORDINATION OF THEIR WORK.

07900 SEALANT:

PART 1 - GENERAL

A. EXPANSION JOINT MATERIAL, SEALANTS AND JOINT BACKING FOR JOINTS BETWEEN DISSIMILAR MATERIALS.
   1. SILICONE SEALANTS (TYPE S): ASTM C920, SINGLE COMPONENT, NON-SAGGING, NON-STAINING, NON-BLEEDING; FOR USE AS GENERAL CAULKING; COLOR TO MATCH ADJACENT SURFACES, MANUFACTURER BY GE SILICONES OR EQUAL.
   2. JOINT BACKING: ROUND, OPEN CELL POLYETHYLENE FOAM ROD.

PART 2 - PREPARATION / EXECUTION

A. REMOVE LOOSE MATERIALS AND FOREIGN MATTER WHICH MIGHT IMPAIR ADHESION OF SEALANT.
B. CLEAN AND PRIME JOINTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
C. PROTECT ELEMENTS SURROUNDING THE WORK OF THIS SECTION FROM DAMAGE OR DISFIGURATION.
D. INSTALL SEALANT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
E. INSTALL JOINT BACKING.
F. APPLY SEALANT WITHIN RECOMMENDED APPLICATION TEMPERATURE RANGES. CONSULT MANUFACTURER WHEN SEALANT CANNOT BE APPLIED WITHIN THESE TEMPERATURE RANGES.

08210 WOOD DOORS:

ALL INTERIOR WOOD DOORS SHALL BE SOLID CORE (COORDINATE WITH DOOR SCHEDULE) FLUSH CONSTRUCTION, OF THE DIMENSIONS SHOWN, AND SHALL MEET OR EXCEED THE ANSI/NWSA INDUSTRY STANDARD I.S./SERIES & AWI QUALITY STANDARD FOR ARCHITECTURAL FLUSH DOORS.

DOORSKIN FOR PAINTED AND VINYL COVERED SURFACES SHALL BE OF PAINT GRADE. OVERALL THICKNESS OF DOORSKIN SHALL BE 1/8" AND SHOULD BE BELT SANDED FOR PAINT FINISH. FINAL SANDING BY FIELD FINISHER. WHEN REQUIRED BY CODE, FIRE DOORS SHOULD HAVE THE REQUIRED FIRE RATING.

WOOD FRAMES:
EXAMINE DOOR FRAMES AND VERIFY THAT THE FRAMES ARE THE CORRECT TYPE AND HAVE BEEN INSTALLED AS REQUIRED FOR PROPER HANGING OF CORRESPONDING DOORS. ALIGN AND FIT THE DOORS IN THE FRAMES WITH THE FOLLOWING UNIFORM CLEARANCES AND BEVELS. TRIM STILES AND RAILS ONLY TO THE EXTENT PERMITTED BY LABELING AGENCY.

FOR NON-RATED DOORS, PROVIDE CLEARANCES OF 1/8" AT JAMBS AND HEADS, AND 1/8" FROM THE BOTTOM OF THE DOOR TO THE TOP OF THE FINISH OR COVERING.
FOR FIRE-RATED DOORS, PROVIDE CLEARANCES AND CORRESPONDING FIRE-RATED FRAMES IN ACCORDANCE WITH REQUIREMENTS OF NFPA NO. 80

EXISTING DOORS:
WHEN EXISTING DOOR IS TO REMAIN IN SERVICE, DOOR AND FRAME MUST BE RAISED 3/8" FROM EXISTING FLOOR TO PROVIDE FOR DOOR CLEARANCE IF OVER NEW CARPET.

A. KEYING
   1. GENERAL CONTRACTOR TO COORDINATE KEYING AND MASTER KEYING WITH CONSTRUCTION MANAGER.
   2. GENERAL CONTRACTOR TO INSTALL CONSTRUCTION CORES DURING CONSTRUCTION AND REPLACE WITH PERMANENT AT END OF JOB PRIOR TO TURN-OVER.
B. PROVIDE COMMERCIAL GRADE HARDWARE, COMPLYING WITH PROJECT SPECIFICATIONS, IN SETS ACCORDING TO THE SCHEDULE HEREIN AND ON DOOR SCHEDULE DRAWING. REFER TO DOOR SCHEDULE HARDWARE.

PART 2 - PREPARATION / EXECUTION

A. COORDINATE THE WORK WITH OTHER DIRECTLY AFFECTED SECTIONS INVOLVING FABRICATION OF WALL INT. REINFORCEMENT FOR DOOR HARDWARE & RECESSED ITEMS.
B. VERIFY THAT DOORS AND FRAMES ARE READY TO RECEIVE WORK AND DIMENSIONS ARE AS INDICATED.
C. INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
D. USE TEMPLATES PROVIDED BY HARDWARE ITEM MANUFACTURER.
E. WHEREVER CUTTING AND FITTING IS REQUIRED TO INSTALL HARDWARE ONTO OR INTO SURFACES WHICH ARE LATER TO BE PAINTED OR OTHERWISE FINISHED, INSTALL EACH ITEM COMPLETELY, THEN REMOVE AND STORE DURING APPLICATION OF FINISHES. REINSTALL UPON COMPLETION OF FINISHING OPERATIONS. SPACE FASTENERS AND ANCHORAGES AS INDICATED OR IN ACCORDANCE WITH FACTORY STANDARDS.
F. ADJUST HARDWARE FOR SMOOTH OPERATION.

08710 DOOR HARDWARE:

PART 1 - GENERAL

A. FURNISH & INSTALL FINISH HARDWARE FOR INTERIOR & EXTERIOR DOORS WHEN CALLED FOR ON PLAN
B. SEE DOOR SCHEDULE FOR SPECIFIC ITEMS, MANUFACTURERS AND MODEL NUMBERS. TEMPLATES SHALL BE FURNISHED FOR USE IN FIELD.
C. FOLLOW DHI (DOOR AND HARDWARE INSTITUTE) STANDARDS & GUIDELINES AND AWI (AMERICAN WOODWORKING INSTITUTE) STANDARDS FOR HARDWARE INSTALLED ON WOOD DOORS.
D. FURNISH OWNER WITH MAINTENANCE DATA, MAINTENANCE PROCEDURES, MANUFACTURERS WARRANTIES AND SPECIAL TOOLS.
E. FINISHES: PER HARDWARE SCHEDULE

09250 GYPSUM DRYWALL SYSTEMS:

PROVIDE ALL GYPSUM DRYWALL MATERIALS THROUGHOUT THE WORK PRODUCED BY ONE MANUFACTURER. PROVIDE METAL STUDS AND FRAMING MEMBERS OF TYPES, GAUGES, SIZES AND CORROSIVE RESISTIVE TREATMENTS AS SHOWN.

STUDS AND FRAMING: ROLL FORMED CHANNEL STUDS AND RUNNERS: ASTM C-645, FABRICATED OF

GALVANIZED STEEL PER ASTM WITH FLANGES NOT LESS THAN 1 1/4" OF THE SIZES AND GAUGES SHOWN.

METAL FURRING CHANNELS: HAT SHAPED, 7/8" HIGH, 25 GAUGE GALVANIZED.
BACKER PLATES: 20 GAUGE GALVANIZED.
HANGER WIRE: GALVANIZED, SOFT TEMPER STEEL WIRE, SIZED IN ACCORDANCE WITH ASTM C-754.

HANGER ANCHORAGE: PROVIDE CONCRETE INSERTS, CLIPS, BOLTS, SCREWS AND OTHER DEVICES APPLICABLE TO THE INDICATED METHOD OF STRUCTURAL ANCHORAGE FOR CEILING HANGERS.

FURRING ANCHORAGE'S: 16 GAUGE GALVANIZED WIRE TIES, MANUFACTURER'S STANDARD WIRE-TYPE CLIPS, BOLTS, NAILS OR SCREWS, IN ACCORDANCE WITH ASTM C-754.

METAL TO METAL WITHIN THE DRYWALL SYSTEM: 3/8" TYPE "S" OR S-12, PAN HEAD.
ADHESIVES: AS RECOMMENDED BY THE GYPSUM BOARD MANUFACTURER.

TRIM ACCESSORIES:

PROVIDE TRIM ACCESSORIES OF THE SIZES REQUIRED FOR THE DRYWALL APPLICATIONS SHOWN SPECIFIED, FABRICATED FROM GALVANIZED STEEL, & OF THE FOLLOWING TYPE: PROVIDE DRYWALL MOULDING OF THE TYPE AND SIZE INDICATED. PROVIDE METAL CORNER BEAD AT EXTERNAL CORNERS WITH SMOOTH RIGID NOSE AND PERFORATED AND KNURLED FLANGES. CONCEAL FLANGES WITH AT LEAST 2 COATS OF JOINT COMPOUND FEATHERED OUT APPROXIMATELY 9" ON BOTH SIDES OF THE EXPOSED METAL.

WHERE DRYWALL ABUTS OR INTERSECTS DISSIMILAR CONSTRUCTION, PROVIDE SQUARE EDGE SEMI-FINISHING CASING BEAD (NO JOINT COMPOUND TREATMENT NECESSARY).

TAPE AND JOINT MATERIAL SHALL BE APPLIED TO THE JOINTS. THE JOINT COMPOUND SHALL BE SMOOTHED OUT APPROXIMATLEY 4" WIDE. THIS IS TO BE IN THE NORMAL THREE-COAT PROCESS, ALLOWING 24 HOURS DRYING TIME BETWEEN COATS. ALL NAILS, SCREWS, HEADS OR DIMPLES SHALL ALSO RECEIVE A THREE-COAT FINISH USING THE SAME MATERIAL AND MANNER NAILS, SCREWS, HEADS OR DIMPLES SHALL ALSO RECEIVE A THREE-COAT FINISH USING THE SAME MATERIAL AND MANNER AS THAT FOR AS THAT FOR THE JOINTS. SAND SMOOTH ALL JOINTS AND SURFACES AND HAVE THEM READY TO RECEIVE THE WALL FINISH. VERIFY SAND SMOOTH ALL JOINTS AND SURFACES AND HAVE THEM READY TO RECEIVE THE WALL FINISH. VERIFY THAT THE EXISTING WALL THAT THE EXISTING WALL SURFACES, IF ANY, ARE SMOOTH AND SUITABLE, AS A SUBSTRATE FOR THE FINISHES SCHEDULED.

GYPSUM BOARD:

5/8" THICK UNLESS NOTED OTHERWISE.
ASTM C36, TAPERED EDGES. PROVIDE "TYPE X" (FIRE RETARDANT) WHERE SHOWN AND AT DEMISING WALLS.

WATER RESISTANT GYPSUM BOARD (GREENBOARD) ASTM C-630 TYPE "W". PROVIDE FOR WET WALLS IN TOILETS. USE "DURLOCK" BEHIND ALL CERAMIC TILE AND MARBLE ON WALLS.

PART 1 - GENERAL

A. FURNISH AND INSTALL ALL GYPSUM DRYWALL AND SYSTEMS COMPLETE WITH PARTITION FRAMING, CEILING SUSPENSION SYSTEMS AND RELATED ACCESSORIES, PARTS, MATERIALS, ETC. AS SHOWN ON DRAWINGS AND AS SPECIFIED. INSTALL ALL MATERIALS PER MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.
B. GYPSUM DRYWALL: ALL GYPSUM BOARD TO BE 5/8" TYPE "X" AS NOTED ON SHEET A1.0 (CONSTRUCTION PLAN). RESTROOMS TO RECEIVE MOISTURE RESISTANT GYPSUM BOARD.
C. FASTENERS: DRYWALL SCREWS OF PROPER SIZE AND TYPE PER MANUFACTURERS RECOMMENDATIONS.
D. PROVIDE MATERIALS, JOINT COMPOUNDS, TRIM, EDGES, BEADS, ETC. FROM A SINGLE SOURCE SUPPLIER. ALL TRIM SHALL CONSIST OF A TAPERED, GROOVED, AND PREPUNCHED FIN FOR SCREW ATTACHMENT AND TO ACCEPT BONDING AGENT. ALL BUTT JOINTS ARE TO BE NEAT WITH TIGHT JOINTS, AND ALL CORNERS ARE TO BE MITERED. ALL EDGES, BEADS AND TRIM TO BE PRE-FINISH ALUMINUM.

ACCESS PANELS:

1. G.C. SHALL PROVIDE AND INSTALL ACCESS PANELS AS REQUIRED BY LANDLORD AND SITE CONDITIONS (COORDINATE SIZE REQUIREMENTS, NUMBER OF PANELS REQUIRED AND LOCATIONS WITH LANDLORD AND ALL MECHANICAL TRADES).
2. ACCESS PANELS SHALL BE FLUSH TYPE (NO EXPOSED FLANGES) STYLE "DW" AS MANUFACTURED BY: MILCOR, 1101 EAST KIBBY, LIMA, OHIO, 45804. PHONE NUMBER: 419-227-6899 (SIZE AS REQUIRED)
3. PANELS TO BE FACTORY PRIMED (WHITE) READY TO RECEIVE FINAL FINISH (PAINT) BY G.C.

09300 PORCELAIN TILE:

SECTION 1-PRODUCTS

1.1 CERAMIC TILE SHALL CONFORM TO REQUIREMENTS OF ANSI A137.1-1988
TYPE: CERAMIC TILE, REFER TO MATERIALS SCHEDULE.
SIZE: CERAMIC TILE SHALL BE MANUFACTURED TO SPECIFIC SIZE AFTER FIRING AND SHALL BE NOMINAL SIZE, REFER TO MATERIALS SCHEDULE.
THICKNESS: CERAMIC TILE SHALL BE MANUFACTURED TO SPECIFIC THICKNESS AFTER FIRING AND SHALL BE NOMINAL, REFER TO MATERIALS SCHEDULE.
COLOR: REFER TO MATERIALS SCHEDULE.

1.2 SETTING MATERIALS: USE APPROPRIATE INSTALLATION MORTARS ACCORDING TO ANSI A118. SERIES OR A136.1992 TYPE 1.

1.3 GROUTING MATERIALS: SELECT GROUT PER ANSI A118.3, A118.5, A118.6 OR A118.8- 1992. POLYBLEND NON-SANDED GROUT. MANUF. : BONSAL CO. COLOR: HONEY.

1.4 WATERPROOFING/ANTI-FRACTURE MEMBRANE: SELECT PER ANSI A118.10-1993 AS REQUIRED.

1.5 GROUT SEALER: BONSAL OR EQUAL.

SECTION 2-INSTALLATION

2.1 ACCEPTABILITY OF SURFACES
A. BEFORE TILING, VERIFY THAT ALL SURFACES TO BE TILED ARE STRUCTURALLY SOUND TRUE TO PLANE, AND FALL WITHIN MAXIMUM VARIATIONS SHOWN BELOW:
WALLS FLOORS 1/8" IN 8' 1/8" IN 10'
REPORT ALL UNACCEPTABLE SURFACES TO THE ARCHITECT IN WRITING, AND DO NOT TILE SUCH SURFACES UNTIL THEY ARE LEVELED ENOUGH TO MEET ABOVE REQUIREMENTS.
B. BEFORE TILING, ALL SURFACES MUST BE FREE OF CURING COMPOUNDS, OIL, GREASE, WAX, DIRT, DUST, FORM RELEASES OR OTHER SUBSTANCES THAT WOULD INTERFERE WITH PROPER BOND OF SETTING MATERIALS. IF TILE IS INSTALLED BY THE THIN-SET METHOD, CONCRETE SLABS SHALL BE STEEL TROWEL OR LIGHT BROOM FINISH.

2.2 SETTING METHODS: COMPLY WITH APPROPRIATE ANSI A108 SPECIFICATION CURRENT AND TILE COUNCIL OF AMERICA HANDBOOK FOR APPROPRIATE METHOD OF INSTALLATION FOR EACH SPECIFICATION. FOR ADHESIVE MORTAR APPLICATION USE FOLLOWING: WITH FLAT SIDE OF TROWEL, KEY MORTAR INTO SUBSTRATE. USING THE APPROPRIATE SIZE TROWEL, COMB MORTAR IN ONE DIRECTION WITH NOTCHED SIDE OF TROWEL. SET TILE WITH A SLIDING MOTION, PERPENDICULAR TO THE MORTAR % COVERAGE AS POSSIBLE OF MORTAR TO TILE. RIDGES. OBTAIN AS NEAR AS 100 MORTAR MUST BE SUFFICIENTLY DISTRIBUTED TO GIVE FULL SUPPORT UNDER ALL CORNERS AND EDGES OF THE TILE. PERIODICALLY, REMOVE SHEETS OR INDIVIDUAL TILES TO ASSURE PROPER BOND COVERAGE CONSISTENT WITH INDUSTRY SPECIFICATIONS.

2.3 MAX. GROUT JOINT = 1/8".

2.4 EXPANSION JOINTS: INSTALL ARCHITECTURALLY DESIGNED EXPANSION JOINTS AS PER CURRENT TCA DETAIL EJ171. PREFABRICATED EXPANSION JOINT STRIPS CAN ALSO BE USED WHEN SUITABLE.

2.5 GROUTING METHODS: FOLLOW EXACTLY GROUT MANUFACTURES INSTRUCTIONS AND COMPLY WITH APPROPRIATE ANSI A108 SPECIFICATION DEPENDING ON TYPE OF GROUT SELECTED. GROUTING IS NOT COMPLETE UNTIL ALL GROUT HAZE AND RESIDUES ARE REMOVED FROM THE SURFACE OF THE TILE.

2.6 GROUT SEALER: COMPLY WITH MANUFACTURES INSTRUCTIONS AND APPROPRIATE ANSI SPECIFICATIONS FOR PRODUCT SELECTED.

2.7 CLEANING AND PROTECTION
A. LEAVE FINISHED INSTALLATION FREE OF CRACKED, CHIPPED, BROKEN, UNBONDED OR OTHERWISE DEFECTIVE TILE WORK.
B. PROTECT ALL FLOOR TILE INSTALLATIONS WITH CLEAN CONSTRUCTION PAPER OR OTHER HEAVY COVERING DURING CONSTRUCTION PERIOD TO PREVENT STAINING OR DAMAGE. NO FOOT OR WHEEL TRAFFIC PERMITTED ON FLOOR FOR AT LEAST THREE (3) DAYS AFTER GROUTING.

09900 PAINTING:

PROVIDE PAINTING AS SHOWN OR SPECIFIED. THE TERM "PAINT" INCLUDES ALL OPAQUE OR NATURAL, PRIME, INTERMEDIATE OR FINISH COATS OF FIELD APPLIED COATINGS. APPLY PAINT IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. USE APPLICATORS AND TECHNIQUES BEST SUITED FOR SUBSTRATE AND TYPE OF MATERIAL BEING APPLIED. PROVIDE TOP-OF-THE-LINE PAINT PRODUCTS MANUFACTURED BY ONE OF THE FOLLOWING MANUFACTURERS: ALL DESCRIPTIONS BASED ON SHERWIN-WILLIAMS:

BENJAMIN MOORE, PPG INDUSTRIES,
SHERWIN-WILLIAMS, PRATT & LAMBERT, GLIDDEN,
NAPCO, BUTE

PROVIDE SUITABLE COVERING TO PROTECT WORK, THE WORK OF OTHERS AND ADJACENT SURFACES AND OBJECTS. REMOVE OR PROTECT SUCH ITEMS AS HARDWARE, ACCESSORIES, PLATES, LIGHT FIXTURES AND SIMILAR ITEMS PLACED PRIOR TO PAINTING. REPOSITION OR REMOVE PROTECTION UPON COMPLETION OF EACH SPACE.

PREPARE SURFACES TO RECEIVE PAINT: THOROUGHLY CLEAN OFF GRIME, GREASE, DIRT, CHALK, DUST, LOOSE MATERIAL AND OTHER SUBSTANCES THAT MAY INTERFERE WITH PROPER ADHESION OF PAINT. PAINT DRY SURFACE ONLY. SAND LIGHTLY BETWEEN EACH SUCCEEDING COAT OF PAINT.

FILL DENTS, CRACKS, HOLLOW PLACES, OPEN JOINTS AND OTHER IRREGULARITIES WITH AN APPROVED FILLER SUITABLE FOR THE PURPOSE. AFTER SETTING, SAND TO A SMOOTH, HARD FINISH.

CLEAN OFF ALL PAINT SPLATTER OCCURRING ON ADJACENT WORK. REPAIR OR REPLACE WITH NEW APPROVED MATERIAL ALL SURFACES DEFACED AS A RESULT OF THE WORK OF THIS SECTION AND LEAVE WORK IN A CLEAN, ACCEPTABLE CONDITION.

DRYWALL:
PRIME GYPSUM BOARD SURFACES WITH A LATEX PRIMER AND APPLY TWO (2) COATS OF ACRYLIC LATEX, "REGAL WALL SATIN" (FLAT).

WOODWORK:
PRIME WOODWORK SURFACES AND TRIMS WITH A WOOD PRIMER, AND APPLY TWO (2) COATS OF "REGAL AQUAGLO" SATIN FINISH ENAMEL. WHEN TRANSPARENT FINISHES ARE CALLED FOR, USE MULTIPLE COATS TO PRODUCE GLASS-SMOOTH SURFACE FILM OF EVEN LUSTER. PROVIDE SATIN FINISH FOR FINAL COAT.

METAL WORK:
PRIME METAL SURFACES (AC REGISTERS AND DIFFUSER ACCESS PANELS) WITH AN ADEQUATE PRIMER AND APPLY TWO (2) COATS OF FLAT LATEX TO MATCH CEILING COLOR. PAINT INTERIOR SURFACES O.D. DUCTS WHERE VISIBLE THROUGH REGISTERS OR GRILLES WITH A FLAT, NON SPECULAR BLACK PAINT. OMIT PRIMER ON SURFACES THAT HAVE BEEN SHOP-PRIMED.

METAL DOORS:
PRIME DOOR SURFACES AND TRIM WITH ENAMEL PRIMER AND APPLY TWO (2) COATS OF SATIN FINISH ENAMEL AS SCHEDULED.

10430 ILLUMINATED SIGNS AND CEILING ELEMENTS:

SUPPLIED AND INSTALLED BY TENANT'S SIGN CONTRACTOR. GENERAL CONTRACTOR SHALL COORDINATE INSTALLATION TO ASSURE PROPER COMPLIANCE WITH CONSTRUCTION DOCUMENTS AND LANDLORD CRITERIA.

10440 INTERIOR SIGNAGE:

SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR AS PER MANUFACTURER'S INSTRUCTIONS. REFER TO DRAWINGS FOR TYPE AND LOCATION.

DIVISION 011000 - EQUIPMENT:

011001 - EQUIPMENT

PART 1 - GENERAL

A. CONTRACTOR SHALL COORDINATE ALL EQUIPMENT WORK AND PLACEMENT WITH THE WORK OF ALL OTHER TRADES AND MAKE ADJUSTMENTS AS REQUIRED TO ACCOMMODATE LOCATIONS OF EQUIPMENT.
B. ALL EQUIPMENT WORK SHALL COMPLY WITH ALL GOVERNING BUILDING CODES AND LOCAL CODES.
C. EQUIPMENT SHALL BE FURNISHED, UNLOADED, UNPACKED OR UNCRATED AND PLACED ACCORDING TO THE CONSTRUCTION DOCUMENTS.

PART 2 - PREPARATION / EXECUTION

A. ALL EQUIPMENT PROVIDED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR IS TO BE INCLUDED IN GENERAL BID.
B. GENERAL CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY OF ANY DAMAGE TO THE EQUIPMENT PRIOR TO INSTALLATION.
C. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL HOOKUP OF ALL EQUIPMENT SUCH AS ALL MECHANICAL WORK, PLUMBING, & ELECTRICAL FOR THE EQUIPMENT LIST.
D. ALL EQUIPMENT MANUALS, INSTRUCTION BOOKLETS & WARRANTY INFORMATION SHALL BE NEATLY BOUND & TURNED OVER TO THE OWNER BEFORE FINAL APPROVAL OF THE BUILDING.

END OF DIVISION

REGISTRATION SEAL

ARCVISION
MANAGEMENT CONSULTANTS

TORRID

CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

PROJECT NO: 210807
DRAWN BY: CLS
CHECKED BY: ACB
ISSUE DATE: 01/13/22

ARCHITECTURAL SPECIFICATIONS

T1.0

FINISH SCHEDULE

PAINT

ALL WALLS: EGGSHELL FLAME SPREAD CLASS 1/A
FITTING DOORS/TRIM/CUSTOM MIRROR FRAMES: HIGH-GLOSS ALKYD FLAME SPREAD CLASS 1/A
NON-FITTING DOORS/FRAMES: SEMI-GLOSS FLAME SPREAD CLASS 1/A
ALL CEILING/DECK: FLAT LATEX FLAME SPREAD CLASS 1/A

INSTALLATION: GYPSUM BOARD TO RECEIVE LATEX PAINT TO BE PRIMED WITH (1) COAT OF VINYL PLASTIC SEALER PRIOR TO RECEIVING (2) COATS OF PAINT. WOOD TRIM TO RECEIVE ALKYD OR ENAMEL PAINT TO BE PRIMED W/ ONE COAT OF ENAMEL UNDERCOATER PRIOR TO RECEIVING (2) COATS OF PAINT. PAINT ALL WIRES, RETURN AIR GRILLE, & SUPPLY AIR GRILLE TO MATCH ADJACENT CEILING AREAS. G.C. TO DO "TOUCH-UP" PAINTING AT DAY OF STORE OPENING.

P-1	SHERWIN WILLIAMS #7005 "PURE WHITE"
P-2	BENJAMIN MOORE #1614 "DELRAY GRAY"
P-3	BENJAMIN MOORE #CC-544 "OVERCOAT" – OUTLET ONLY
P-4	GLIDDEN #30YR 38/337 "PEACHY PINK"

FLOORING

***** IN THE EVENT THAT G.C. IS DIRECTED TO OVERLAY EXISTING FLOOR, NEW FLOORING SHALL HAVE A SMOOTH TROWEL FINISH*****

CS-1	SURTECH – #CS-672 W/ #575 CONCRETE SEALER APPLICATION. – GRIND FLOOR W/ 80 GRIT DIAMOND PAD – FILL JOINTS AND CRACKS W/ URETHANE BASED CAULK – PATCH AREAS OF DAMAGED SLAB W/ "CGM BUILDING PRODUCTS" – LEV-L-ASTIC COMPOUND – SAND SMOOTH ANY AREAS THAT WERE PATCHED AND REMOVE DUST – APPLY TWO (2) COATS PRIMER AND THREE (3) COATS SEALANT
CPT-1	CARPET TILE, 20"X20". FURNISHED BY TENANT, INSTALLED BY G.C. WITH GRID-SET GREEN GLUE 2000.
PT-1	CONCEPT SURFACE – ICON "DOVE GREY" – 12"X24" SATIN FINISH. INSTALL IN RUNNING BOND PATTERN. GROUT JOINTS TO BE 1/16" MAX.
VF-1	ARMSTRONG CONNECTION, TILE VINYL FLOORING, CORLON #88712 "LIMESTONE", OR APPROVED EQUAL. SEE DETAIL ON SHEET A3.1. HEAT WELDED SEAMS & 6" COVED SELF BASE – USE MFR'S RECOMMENDED ADHESIVE. FLAME SPREAD CLASS 1/A
VF-2	MATS INC. – PLANK COLLECTION, ASH #W7550 GRAY ASH, 6"X36" PLANK. FURNISHED BY TENANT, INSTALLED BY G.C. FLOOR MOISTURE READING MUST BE COMPLETED PRIOR TO INSTALLATION. SEE MANUFACTURER'S SPECIFICATION SHEETS FOR RECOMMENDED MOISTURE LIMITS.

BASE

B-1	HARDWOOD BASE – 6" HIGH. PAINT "P-2" AT SALES ARE U.O.N. AND PAINT "P-1" AT FITTING ROOMS AND ALCOVE. SEE DETAIL ON A3.1.
B-2	JOHNSONITE – #40 "BLACK", 4" HIGH RUBBER COVED BASE. PROVIDE 90 DEGREE CORNERS WHERE REQ'D. SEE DETAIL ON A3.1. FLAME SPREAD CLASS 1/A

CEILING

ACT-1	ARMSTRONG – 24"X48"X3/4" WHITE "CORTEGA" SECOND LOOK II ITEM #2767 TEGULAR ANGLED TILE. – WHITE PRELUDE 15/16" EXPOSED TEE GRID – SALES AREA PAINTED "P-2". – FLAME SPREAD INDEX OF 25 OR LESS, SMOKE DEVELOPED INDEX OF 50 OR LESS.

WALLCOVERING

WC-1	"DENOVO WALL" POPOLO "STEEL BEAM" #DN2-POP-06. FURNISHED BY TENANT, INSTALLED BY G.C.
WC-2	"DENOVO WALL" POPOLO "VANILLA ICE" #DN2-POP-01. FURNISHED BY TENANT, INSTALLED BY G.C.
WC-3	FRP WAINSCOT – WHITE W/SMOOTH FINISH – INCLUDE ALL REQ'D. TRIM/CAPS. FLAME SPREAD CLASS 3/C

METAL

MTL	BRAKE METAL PANEL. MINIMUM 18 GA. REQUIRED. POWDER COATED WHITE, RAL #9003, GLOSS FINISH.

TRIM

HT-1	1x3 HARDWOOD PERIMETER TRIM. PAINT "P-1". SEE ELEVATIONS ON SHEET A4.0 AND DETAIL ON 13/A7.0

TOILET ACCESSORIES

NOTE: IF ITEMS ARE EXISTING, REPLACE DAMAGED OR MISSING ITEMS AS SHOWN HERE.

AC-1	TOILET – SEE SHEET P1. – FURNISH NEW TOILET SEAT – F.C.I.C.
AC-2	LAVATORY – SEE SHEET P1. – F.C.I.C.
AC-3	18" GRAB BAR – BOBRICK #B-6106 X 18 – SURFACE MOUNTED. PROVIDE SOLID BLOCKING IN WALL – F.C.I.C.
AC-4	36" GRAB BAR – BOBRICK #B-6106 X 36 – SURFACE MOUNTED. PROVIDE SOLID BLOCKING IN WALL – REAR BAR TO EXTEND 12" BEYOND CENTER OF THE WATER CLOSET TOWARD THE SIDE WALL AT LEAST 24" TOWARD THE OPEN SIDE OF THE WATER CLOSET AND MOUNTED NO MORE THAN 9" BEHIND THE WATER CLOSET SEAT. – F.C.I.C.
AC-5	42" GRAB BAR – BOBRICK #B-6106 X 42 – SURFACE MOUNTED. PROVIDE SOLID BLOCKING IN WALL – F.C.I.C.
AC-6	TOILET PAPER DISPENSER – CENTERED @ 19" A.F.F., MIN. – SURFACE MOUNTED. – F.T.I.C. GEORGIA-PACIFIC: SOFPUL CENTERPULL DISPENSER – MFG. PART #56501 COLOR: SMOKE GEORGIA-PACIFIC: SOFPUL CENTERPULL ADA NOZZLE – MFG. PART #56505
AC-7	WALL MOUNTED 24"X36" MIRROR – WITH BOTTOM OF REFLECTIVE SURFACE AT +40" A.F.F. BOBRICK #B-240-2436 – CLEAR CAULK AROUND MIRROR FOR TURNOVER. – F.C.I.C.
AC-8	AUTOMATED ROLL TOWEL DISPENSER – GEORGIA-PACIFIC: SOFPUL AUTOMATED DISPENSER – MFG. PART #59010 COLOR: BLACK – F.T.I.C.
AC-9	WATER HEATER MOUNTED ABOVE MOP SINK – SEE SHEET P1. – F.C.I.C.
AC-10	SHELVING SYSTEM – PROVIDED & INSTALLED BY MOBILE MEDIA
AC-11	SIGN WITH RAISED BRAILLE LETTERS – MOUNTED AT +60 A.F.F. – F.C.I.C.
AC-12	MOP SINK – SEE SHEET P1. – F.C.I.C.
AC-13	DRINKING FOUNTAIN – SEE SHEET P1. – F.C.I.C.
AC-14	SOAP DISPENSER – BRIGHTON PROFESSIONAL (800mL) – MFG. ITEM #26463 COLOR: BLACK – F.T.I.C.
AC-15	TOILET SEAT COVER DISPENSER – BRIGHTON PROFESSIONAL – MFG. ITEM #BPR24778 – COLOR: WHITE – F.T.I.C.

ABBREVIATIONS

FURNISHED BY TENANT, INSTALLED BY CONTRACTOR – (F.T.I.C.)

FURNISHED BY CONTRACTOR, INSTALLED BY CONTRACTOR – (F.C.I.C.)

FURNISHED BY LANDLORD, INSTALLED BY CONTRACTOR – (F.L.I.C.)

FURNISHED BY LANDLORD, INSTALLED BY LANDLORD – (F.L.I.L.)

DOOR NOTES

- EXIT DOORS SHALL BE OPERABLE FROM WITHIN WITHOUT USE OF ANY SPECIAL KNOWLEDGE OR EFFORT WHEN THE SPACE IS OCCUPIED.
- MAXIMUM PULL FORCES FOR INTERIOR AND EXTERIOR DOOR SHALL NOT EXCEED: 5 LBS. FOR INTERIOR DOORS / 5 LBS. FOR EXTERIOR DOORS / 15 LBS. FORCE FOR FIRE RATED DOORS.
- G.C. TO USE HARDWARE MOUNTING KIT FOR TORRID
- LEVER HANDLED HARDWARE SHOULD NOT REQUIRE TIGHT GRASPING, ETC. PULL FORCES SHALL NOT EXCEED: 5 LBS. FOR INT. DOORS / 5 LBS. FOR EXT. DOORS / 15 LBS. FORCE FOR FIRE RATED DOORS.
- ROOM IDENTIFICATION SIGNAGE, WHEN PROVIDED, SHALL COMPLY W/LOCAL AUTHORITY
- BOTTOM 10" AT ALL DOORS, EXCEPT AUTOMATIC DOORS, SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE.
- G.C. TO SUBMIT SHOP DRAWINGS FOR DOOR HARDWARE TO PROJECT MANAGER FOR APPROVAL PRIOR TO ORDERING.
- HAND ACTIVATED DOOR OPENING HARDWARE TO BE MOUNTED AT 38" A.F.F. AND OPERATED WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE.
- ALIGNMENT OF DOOR HEADS SHALL BE AT A CONSTANT LEVEL AND NOT FOLLOW POTENTIAL VARIATIONS IN THE FLOOR PLANS.
- UNDER CUT DOOR 3/4" MINIMUM.

VENDOR SCHEDULE

COMPANY	CONTACT	PHONE NUMBER	EMAIL ADDRESS
APEX SIGN GROUP	DAN MURPHY	(610) 715-3369	dan.murphy@apexsigngroup.com
BOSTON BARRICADE	JOY WILD	(772) 257-7313	jwild@bostonrs.com
CASTLE DESIGN	GARY HUNTER	(818) 848-1303	gary@castledesignfab.com
MIDWEST LIGHTING	ANO GULASARIAN	(323) 957-6031	ano@midwestlighting.com
MOBILE MEDIA	LINDA LUONGO	(800) 784-8080	tlteam@mobilemediastorage.com
ONSITE MEDIA SOLUTION	DANIEL VIGNOLA	(435) 214-4956	hottopic@onsitemedia.com
QUAD GROUP		(262) 289-2671	torridsupport@qg.com
SENSORMATIC	TINA M. BARANOUSKI	(630) 345-3045	tina.baranouski@jci.com
SHOPPER TRAK		(312) 529-5411	orders@shoppertrak.com
REEVE	FRANK MACHUCA	(562) 949-2535	hottopic@reeveco.com
WORLDLINK	DAREN HARVEY	(949) 861-2830 EXT. 226	construction@worldlinkintegration.com
POLLOCK ORORA	MONICA FRANKS	(972) 337-3645	hottopic@pollock.com
RADIANT FREIGHT	NATHANIEL BROWN		hottopic@radiantdelivers.com
KASTON	JOHN STEGER	(866) 943-5334	john@kastongroup.com
MATS INC.	MARY CRANE	(781) 573-0265	mcrane@matsinc.com
CIS INTERNET	TOM BUSHMAN/ NANCY BENNETT	(626) 839-4681 EXT. 2879	pm@cisvpn.com
VISUAL CREATIONS	KRISTEN DUFFY	(401) 588-5151 EXT. 257	customerservice@rosedisplays.com
NCR	RYAN TUCKER	(770) 212-6056	ryan.tucker@ncr.com
WEST TECH	NICK LEE	(818) 357-9842	nick@westechtrading.com
SITE CREW INC.			ht@sitecrewinc.com
STAPLES	YVONNE CARSTEN	(303) 664-2331	yvonne.carsten@staples.com
BUNZL RETAIL SERVICES	JOSH BALLEW	(612) 217-6312	jballew@ddsjit.com
GRENEKER	SUSAN ARICA	(323) 263-9000 EXT. 3308	torrid@greneker.com
KOROSEAL	JESSICA COOPER	(866) 628-2280 EXT. 1	na@koroseal.com
FLOR STORE	MELISSA JONGEBLOED	(312) 350-5853	frororders@flor.com

DOOR SCHEDULE

KEY DESCRIPTION

1 STOREFRONT DOORS:

DOORS:
EXISTING TO REMAIN – REPAIR TO "LIKE NEW" CONDITION. REPLACE, IF REQUIRED FOR NEW DOOR PULLS.
HARDWARE:
G.C. TO PROVIDE NEW "BEST" 7 PIN CYLINDER CORE
G.C. TO PROVIDE NEW DOOR PULLS (FINISH: POLISHED CHROME) – REUSE EXISTING MOUNT LOCATIONS IF POSSIBLE.
G.C. TO SUBMIT SHOP DRAWINGS FOR DOOR HARDWARE TO TORRID P.M. FOR APPROVAL PRIOR TO ORDERING.
SIGNAGE:
PROVIDE – SIGN ABOVE DOOR IN 1" HIGH LETTERS ON A CONTRASTING BACKGROUND STATING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" WHEN REQUIRED BY CODE

2 ACCESSIBLE FITTING ROOM DOOR:

☒ NEW ☐ EXISTING – PROVIDE AS NOTED BELOW IF EXISTING IS UNSUITABLE.
DOOR:
3'-0" x 5'-0" x 1 3/4" DOOR SUPPLIED BY TENANT & INSTALLED BY G.C. – PAINT
FRAME:
1" x 3" WOOD CASING & JAMB. PROVIDE 3 WOOD JAMB ANCHORS PER JAMB – PAINT "P-1" – F.C.I.C.
HINGES:
BOOMER (2) LB4311C-450 FULL MORTISE HINGE – SINGLE ACTION SPRING TYPE, #626. USE #12 X 1 1/4" WD. SCREWS @ DOOR AND #12 (24) X 1/2" MACHINE SCREW @ FRAME, SUPPLIED BY TENANT.
LOCKS / LATCHES:
SCHLAGE – RHODES ND80PD – STOREROOM TYPE, #626.
DOOR STOP:
HINGE MOUNTED DOOR STOP – F.T.I.C.
NOTES:
- (8) KEYS TO BE FURNISHED PER DOOR, ALL DOORS KEYED ALIKE, SUPPLIED BY TENANT.
- ROUGH OPENING TO BE 38" WIDE. TORRID G.C. TO PROVIDE DOOR FRAME, DOOR TRIM, BORE AND MORTISE DOOR AND INSTALL BOTTOM OF DOOR @ 12" A.F.F.

3 FITTING ROOM DOOR:

☒ NEW ☐ EXISTING – PROVIDE AS NOTED BELOW IF EXISTING IS UNSUITABLE.
DOOR:
3'-0" x 5'-0" x 1 3/4" DOOR SUPPLIED BY TENANT & INSTALLED BY G.C. – PAINT
FRAME:
1" x 3" WOOD CASING & JAMB. PROVIDE 3 WOOD JAMB ANCHORS PER JAMB – PAINT "P-1" – F.C.I.C.
HINGES:
BOOMER (2) LB4311C-450 FULL MORTISE HINGE – SINGLE ACTION SPRING TYPE, #626. USE #12 X 1 1/4" WD. SCREWS @ DOOR AND #12 (24) X 1/2" MACHINE SCREW @ FRAME, SUPPLIED BY TENANT.
LOCKS / LATCHES:
SCHLAGE – RHODES ND80PD – STOREROOM TYPE, #626.
DOOR STOP:
HINGE MOUNTED DOOR STOP – F.T.I.C.
NOTES:
- (8) KEYS TO BE FURNISHED PER DOOR, ALL DOORS KEYED ALIKE, SUPPLIED BY TENANT.
- ROUGH OPENING TO BE 38" WIDE. TORRID G.C. TO PROVIDE DOOR FRAME, DOOR TRIM, BORE AND MORTISE DOOR AND INSTALL BOTTOM OF DOOR @ 12" A.F.F.

4 FITTING ALCOVE TO STOCKROOM / REMOTE STORAGE DOOR:

☐ NEW ☒ EXISTING – PROVIDE AS NOTED BELOW IF EXISTING IS UNSUITABLE.
DOOR:
3'-0" x 7'-0" x 1-3/4" HOLLOW METAL DOOR. PAINT "P-1"
FRAME:
3'-0" X 7'-0" HM DRYWALL FRAME – PAINT "P-1"
HINGES:
1-1/2 PAIR 4" x 4" (3/BOX) – #US26
LOCKS / LATCHES:
FALCON, B101-D PASSAGE LEVER – #626
CLOSER:
NORTON NO. 1603 ALUMINUM DOOR CLOSURE. W/ 90° HOLD OPEN
FLOOR STOP:
IVES FS13, OR EQUAL – #US26
NOTES:
- PROVIDE DOOR BUMPER "QUALITY" NO. 302. (VERIFY W/ PLAN WHEN DOOR SWINGS TO WALL)
- PROVIDE 30" x 34" STAINLESS STEEL ARMOR PLATE. SEE INTERIOR ELEVATIONS

5 STOCKROOM TO TOILET ROOM DOOR:

☐ NEW ☒ EXISTING – PROVIDE AS NOTED BELOW IF EXISTING IS UNSUITABLE.
DOOR:
3'-0" x 7'-0" x 1 3/4" HOLLOW METAL DOOR. PAINT "P-1"
FRAME:
3'-0" X 7'-0" HM DRYWALL FRAME – PAINT "P-1"
HINGES:
1-1/2 PAIR 4" x 4" (3/BOX) – #US26
LOCKS / LATCHES:
FALCON B301-D LEVER TYPE PRIVACY SET – #626
SIGNAGE:
PROVIDE INTERNATIONAL SYMBOL OF ACCESSIBILITY AS REQUIRED BY CODE
CLOSER:
NORTON NO. 1603 ALUMINUM DOOR CLOSURE. W/ 90° HOLD OPEN
NOTES:
- PROVIDE DOOR BUMPER "QUALITY" NO. 302. (VERIFY W/ PLAN WHEN DOOR SWINGS TO WALL)
- PROVIDE 30" x 34" STAINLESS STEEL ARMOR PLATE AT STOCKROOM/ HALLWAY SIDE ONLY.

6 REAR SERVICE DOOR:

☐ NEW ☐ NOT USED ☒ EXISTING – PROVIDE AS NOTED BELOW IF EXISTING IS UNSUITABLE.
DOOR:
3'-0" x 7'-0" METAL DOOR AND FRAME, V.I.F. INSTALL DOOR SWEEP ON EXTERIOR SIDE OF DOOR, IF NOT EXISTING. EXISTING THRESHOLD AND WEATHERSTRIPPING TO BE REPAIRED OR REPLACED, AS NEEDED.
LOCKS / LATCHES:
ALARM LOCK #700 OR DETEX PANIC/ ALARM HARDWARE W/ 7-PIN MORTISE CYLINDER & SATIN CHROME STRIKE. (ALWAYS PROVIDE THIS UNLESS SUITABLE EXISTS) G.C. TO INSTALL PRY PLATE AT EXTERIOR, NO HANDLE ALLOWED.
SIGNAGE:
LABEL MALL SIDE WITH TENANT'S NAME AND SPACE NO. PER LANDLORD'S REQUIREMENTS
CLOSER:
NORTON NO. 1603 ALUMINUM DOOR CLOSURE. W/ 90° HOLD OPEN
VIEWER:
BLACK OR NICKEL DOOR VIEWER @ 5'-0" A.F.F. – FIRE RATED, AS REQUIRED.
NOTES:
- TENANT'S G.C. SHALL MAINTAIN TIGHT FITTING SMOKE AND DRAFT CONTROL ASSEMBLY HAVING A FIRE RATING OF NOT LESS THAN 90 MIN. WHEN TESTED. INSTALL GASKET MATERIAL AS TO PROVIDE A SEAL WHERE DOOR MEETS THE STOP ON ALL SIDES.
- PAINT MALL SIDE OF DOOR AND FRAME TO MATCH ADJACENT MALL'S FINISH OR AS DIRECTED BY THE MALL'S ON-SITE REPRESENTATIVE.

RESPONSIBILITY SCHEDULE

ITEM	FURNISHED LANDLORD	FURNISHED TENANT	FURNISHED CONTRACTOR	INSTALLED LANDLORD	INSTALLED TENANT	INSTALLED CONTRACTOR	EXIST. NO CHANGE	EXIST. SPCL. ACTION	REMARKS
									RESPONSIBILITY SCHEDULE IS GENERAL IN NATURE AND DOES NOT REFLECT EVERY COMPONENT OR RESPONSIBILITY. U.O.N. RESPONSIBILITY IS G.C. FURNISHED AND INSTALLED.
SIGNAGE									
STOREFRONT ILLUMINATED SIGN		●			●				"TORRID" LOGO LETTER SIGN
AWNING			●			●		●	G.C. TO REPLACE OR REPAIR AS REQUIRED.
BLADE SIGN & BRACKETS		●			●				PER LANDLORD'S CRITERIA
REAR DOOR SIGNAGE			●			●			PER LANDLORD'S CRITERIA
VINYL WINDOW GRAPHICS		●				●			AT 36" A.F.F. AT STOREFRONT
BARRICADE GRAPHICS		●				●			PER LANDLORD'S CRITERIA
CODE-RELATED SIGNAGE AT ANY DOOR			●			●			PER INSPECTOR'S REQUIREMENTS
SIGN PERMIT & APPL.		●			●				WHEN REQUIRED
EXISTING SIGNAGE REMOVAL			●			●			WHEN REQUIRED
TOILET ROOM	L	T	C	L	T	C	N	S	
WATER CLOSET			●			●			SEE SHEET P1
LAVATORY			●			●			SEE SHEET P1
MOP SINK			●			●			SEE SHEET P1
DRINKING FOUNTAIN			●			●			SEE SHEET P1
TOILET PAPER DISPENSER		●				●			
PAPER TOWEL DISPENSER		●				●			
GRAB BARS			●			●			G.C. TO REPLACE OR REPAIR AS REQUIRED.
MIRROR(S)			●			●			G.C. TO REPLACE OR REPAIR AS REQUIRED.
MARLITE PANELS/J-MOLDING			●			●			REPLACE AS REQUIRED – SEE FINISH SCHED.
BACKING FOR ALL ITEMS LISTED ABOVE AS REQ.			●			●			
TRASH CAN		●			●				
SOAP DISPENSER		●				●			
SHELVING / HANGING		●			●				INCL. SHELVES, STANDARDS AND BRACKETS
TOILET SEAT COVER DISPENSER		●				●			
WATER HEATER		●				●			SEE SHEET P1
WATERPROOFING			●			●			PER LANDLORD'S CRITERIA
M.E.P.	L	T	C	L	T	C	N	S	

SEE MECHANICAL, PLUMBING, AND ELECTRICAL SHEETS FOR ENGINEERING SCHEDULES AND SPECIFICATIONS

ITEM	L	T	C	L	T	C	N	S	REMARKS
MISCELLANEOUS									
PICK-UP PERMIT/ PAY PERMIT FEES			●			●			
CONSTRUCTION SITE PHONE AND FAX			●			●		●	PROVIDE INFORMATION TO TORRID AND ARCHITECT.
CONSTRUCTION SITE DIGITAL CAMERA			●					●	PROVIDE WEEKLY E-MAIL PHOTOS TO TORRID
OBTAIN C/O APPROVALS IN WRITING A.W.A.								●	
SPRINKLER SYS. PLANS/ PLANS/ PERMIT/ FEES			●			●			CHANGE ORDERS NOT PROCESSED WITHOUT A.W.A. #'S.
MODIFY SPRINKLER SYS.			●			●			VERIFY MALL'S REQUIRED CONTRACTOR
MALL DEPOSIT/ INSURANCE WAIVERS			●						
JANITORIAL SERVICE/ FINAL CLEANING			●						TWO CLEANINGS: FIRST AT PUNCHLIST, SECOND CLEANING DAY PRIOR TO OPENING.
TRASH REMOVAL/ DUMPSER RENTAL			●						PROVIDE EXTRA 30 YD DUMPSTER THE DAY PRIOR TO TURNOVER FOR TENANT DEBRIS.
FIRE EXTINGUISHERS			●			●			AS REQUIRED BY CODE AND LOCAL AUTHORITIES
INSPECTIONS			●			●			AS REQUIRED BY LOCAL AUTHORITIES
"COMING SOON" GRAPHIC		●			●				COORDINATE WITH TENANT AND LANDLORD
HAZ-MAT ABATEMENT			●			●			AS REQUIRED
FLOOR PREPARATION			●			●			
ROOF PENETRATIONS			●			●			VERIFY MALL'S REQUIRED CONTRACTOR
DEMOLITION/ PERMIT AND FEES AS REQUIRED			●						
OBTAIN INSPECTIONS/ PROVIDE STATUS REPORT			●						
PROVIDE AS-BUILT COPY OF JOB SITE PLANS.			●						PROVIDE (2) COPIES
RECEIVE/ UNLOAD ALL TENANT SUPPLIED ITEMS			●						
SUB-CONTRACTOR LIST AND WARRANTIES			●						PROVIDE TO OWNER AT TURNOVER
TEMPORARY BARRICADE			●			●			COORDINATE WITH LANDLORD AND MALL.
G.C. PROJECT MGR. SITE VISITS DURING CONST.			●						
COMPLIANCE TO TENANT TURNOVER REQUIREMENTS			●						AS REQUIRED: MINIMUM (1) AT FIELD REPORT.
AUDIO SYSTEM		●			●				COORD. CLOSELY WITH TENANTS VENDOR FOR INSTALLATION SCOPE.
CONDUITS & PULL STRING POWER AUDIO SYS./DATA/ALARMS/ETC.			●			●			G.C TO PROVIDE CONDUIT W/ PULL STRING COORDINATE W/ APPLICABLE VENDORS.
P.O.S. SYS. (DATA AND TELEPHONE EQUIPMENT)		●			●				G.C. TO ASSIST BY INSTALLING SHELVING AT CASHWRAP.
DE-BRANDING OF EXISTING TORRID STORE			●			●			WHEN STORE IS A RELOCATION, GC TO DEBRAND EXISTING STORE. CONFIRM REQUIREMENTS W/ TORRID P.M.

RESPONSIBILITY SCHEDULE

ITEM	FURNISHED LANDLORD	FURNISHED TENANT	FURNISHED CONTRACTOR	INSTALLED LANDLORD	INSTALLED TENANT	INSTALLED CONTRACTOR	EXIST. NO CHANGE	EXIST. SPCL. ACTION	REMARKS
									RESPONSIBILITY SCHEDULE IS GENERAL IN NATURE AND DOES NOT REFLECT EVERY COMPONENT OR RESPONSIBILITY. U.O.N. RESPONSIBILITY IS G.C. FURNISHED AND INSTALLED.
STOREFRONT									
NEUTRAL PIERS							●		VERIFY DETAILS WITH LANDLORD
CONTINUOUS REVEALS			●			●			3/4" METAL REVEAL
STOREFRONT FRAMING			●			●			SEE SHEET A5.0
PR. ENTRY DRS/ HARDWARE			●			●			SEE DOOR SCHEDULE
WINDOW FILM			●			●			G.C. TO COORD. W/ OWNERS VENDOR
FLOORING / BASE	L	T	C	L	T	C	N	S	
FLOOR CORING/CONC. INFILL/PATCH EXIST.			●			●			G.C. TO COORD. W/ OWNERS VENDOR
CONCRETE SEALER			●			●			SEE FINISH SCHEDULE
SHT. VINYL @ TOILET RM.			●			●			SEE FINISH SCHEDULE
FLOOR TRANSITIONS			●			●			
RUBBER BASE			●			●			NON-PUBLIC AREAS ONLY, SEE FINISH SCHEDULE
WOOD BASE			●			●			G.C. TO SCRIBE TO FLOOR, SEE FINISH SCHEDULE
CARPET TILE		●				●			SEE FINISH SCHEDULE
SALES FLOOR FLOORING		●				●			SEE FINISH SCHEDULE
WALLS	L	T	C	L	T	C	N	S	
DEMISING PART. STUDS							●		MAINTAIN AND REPAIR AS REQUIRED
DEMISING PART. DRYWALL			●			●		●	PATCH, REPAIR, & REPLACE AS REQUIRED
NEW WALLS FRAMING/ BLOCKING/GYP. BD.			●			●			
TOILET ROOM FRAMING/ BLOCKING/GYP. BD.			●			●		●	PATCH, REPAIR, & REPLACE AS REQUIRED
FURRING AROUND COLUMNS AT DEMISE			●			●		●	PATCH, REPAIR, & REPLACE AS REQUIRED
INTERIOR COLUMN FURRING			●			●			
BLOCKING FOR DOORS			●			●			
WALL PREP. AND PAINT			●			●			
CORNER GUARDS			●			●			G.C. TO CUT DOWN IN FIELD AS NEEDED
CEILINGS	L	T	C	L	T	C	N	S	
GYP. BD. CEILINGS OR SOFFITS			●			●			
PAINT AT EXPOSED DECK AT PUBLIC AREAS			●			●			
THREADED ROD/ UNISTRUT/ AIRCRAFT CABLE			●			●			AS REQUIRED
DEMO/PREP OF EXPOSED DECK READY TO PAINT			●			●			
SUSPENDED ACT CEILING			●			●			WHEN REQUIRED
DOORS	L	T	C	L	T	C	N	S	
FITTING ROOM FRAME /TRIM			●			●			SEE DOOR SCHEDULE
ALCOVE & STOCK ROOM DOOR/FRAME/HARDWARE			●			●			SEE DOOR SCHEDULE
TOILET ROOM DOOR/ FRAME/HARDWARE			●			●			SEE DOOR SCHEDULE
REAR DOOR AND FRAME			●			●	●		G.C. TO REPLACE OR REPAIR AS REQUIRED.
REAR DOOR PANIC BAR/ 7 PIN RIM CYLINDER			●			●		●	G.C. TO REPLACE OR REPAIR AS REQUIRED.
KEY ALL DOORS ALIKE @ TURNOVER		●				●			
ACCESS PANELS AS REQ'D FOR MOTORS/VAV/ETC.			●			●			AS REQUIRED
FITTING ROOMS & ALCOVE	L	T	C	L	T	C	N	S	
HOOKS		●				●			
MIRRORS		●				●			
ADA MIRROR(S) & 3-WAY			●			●			
CAULKS/SILICONES/ MASTICS/ADHESIVES			●			●			EACH TRADE TO PROVIDE, AS REQUIRED
BENCHES		●				●			
METAL MESH/ FRAMES		●				●			
DOORS/ HARDWARE		●				●			
SALES AREA & FIXTURES	L	T	C	L	T	C	N	S	
FREESTANDING FLOOR FIXTURES		●				●			G.C. TO ASSEMBLE AS REQUIRED
WALL STANDARDS		●				●			POWDER COATED SCREWS INCLUDED
CASH WRAP/ COUNTERS		●				●			G.C. TO ASSEMBLE AS REQUIRED
WALL & DISPLAY FIXTURES		●				●			
MISC. SALES WOOD TRIM			●			●			G.C. TO ASSEMBLE AS REQUIRED
MIRRORS			●			●			
LOOSE HARDWARE AND SHELVING		●				●			G.C. TO CLEAN AND INSTALL
RECEIVING HARDWARE/ FIXTURES INTO STORE			●			●			
UNPACK/ DISPOSE OF FIXTURE WRAPPINGS			●			●			OFFLOAD FROM TRUCK
STOCKROOM	L	T	C	L	T	C	N	S	
CORNER GUARDS			●			●			REQUIREMENTS TO BE DETERMINED IN FIELD
BULLETIN BOARDS AND MISC. ITEMS		●				●			
STRUCTURAL SUPPORT FOR XFMR. IF REQ'D.			●			●			
TABLE/FILE CABINET		●				●			
LOCKER/ MICRO./ FRIG.		●			●				
MOBILE SHELVING SYSTEM		●			●				
SHELVING / HANGING		●				●			VENDOR TO INCL. SHELVES/ STANDARDS/ BRACKETS
BACKING FOR ALL ITEMS LISTED ABOVE			●			●			AS REQUIRED FOR SECURE ATTACHMENT

***G.C. NOTE:**
G.C. TO REVIEW BILL OF LADING UPON RECEIPT OF ALL SHIPMENTS. ANY DAMAGES OR SHORTAGES ARE TO BE INDICATED AT RECEIPT, OR WITHIN 24 HOURS. FAILURE TO DO SO WILL REQUIRE G.C. TO CONTACT VENDORS LISTED ABOVE AND PURCHASE SAID ITEMS AT G.C. COST.

THE 'RESPONSIBILITY SCHEDULE' IS INTENDED TO BE USED AS A GUIDE ONLY AND IS NOT ALL-INCLUSIVE. ALL PERSONS BIDDING WORK OR CONTRACTED FOR WORK ARE TO REVIEW THESE DOCUMENTS, THE LANDLORD'S CRITERIA AND THE EXECUTED LEASE AGREEMENT IN THEIR ENTIRETY. ALL ITEMS MARKED AS FURNISHED OR INSTALLED BY LANDLORD ARE 'AS-IS'. LANDLORD IS NOT PERFORMING ADDITIONAL WORK.

REGISTRATION SEAL

ARCVISION MANAGEMENT CONSULTANTS

TORRID

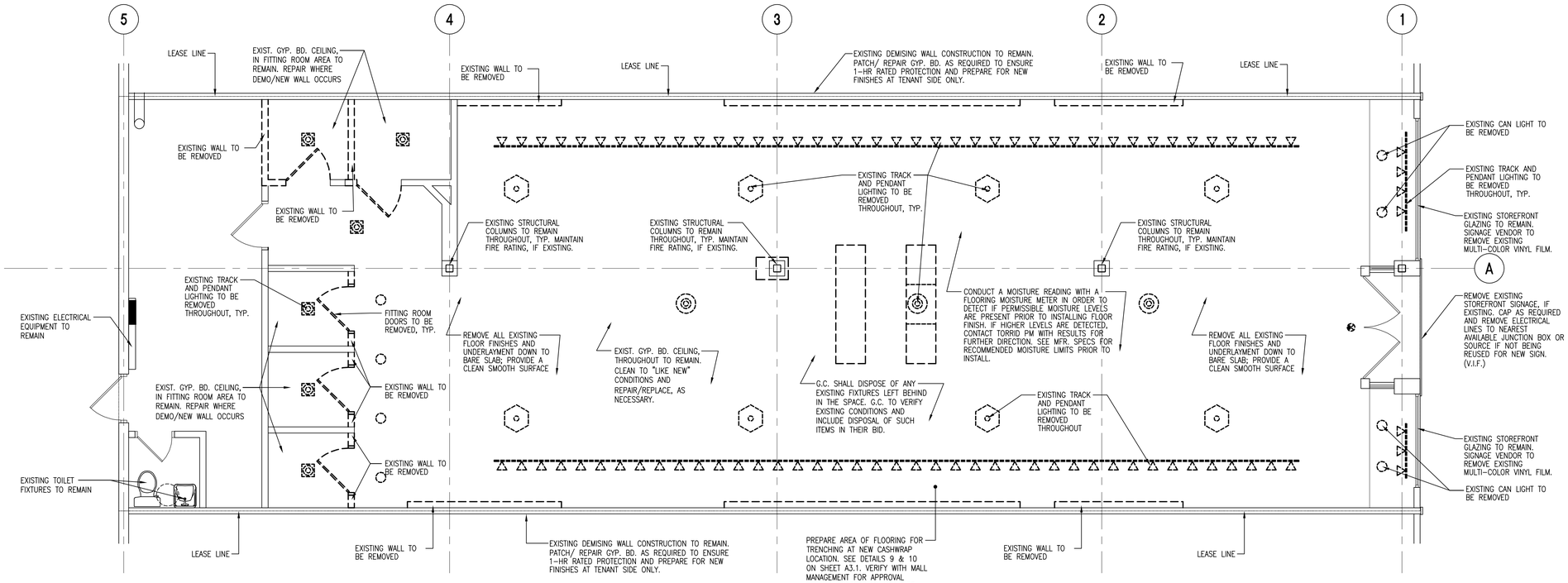
CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

PROJECT NO: 210807
DRAWN BY: CLS
CHECKED BY: ACB
ISSUE DATE: 01/20/22

ARCHITECTURAL SCHEDULES

T2.0



1 DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

NOTES:

1. G.C. TO VERIFY ALL DIMENSIONS WITHIN (1) WEEK OF START OF PROJECT &/OR BEFORE ANY NEW CONSTRUCTION BEGINS. ANY DISCREPANCIES TO BE RESOLVED WITH TORRID PROJECT MANAGER PRIOR TO START OF FRAMING OR ROUGH-IN.
2. G.C. TO INSTALL TENANT PROVIDED GRAPHICS 48 HOURS AFTER START DATE, BARRICADE CONSTRUCTION OR RECEIPT OF GRAPHICS.
3. CONTRACTOR TO VERIFY, PRIOR TO BIDDING, COMPLETE SCOPE OF DEMOLITION. ALL REQUIRED DEMOLITION TO BE INCLUDED IN THE BASE BID. DEMOLITION PLAN IS ONLY AN ESTIMATE OF SCOPE OF WORK.
4. ALL DEMOLITION WORK IS BY G.C. UNLESS NOTED OTHERWISE.
5. G.C. SHALL CONTACT THE MALL OPERATIONS MANAGER & CONFIRM THE REQUIREMENTS FOR THE STOREFRONT BARRICADE & PROVIDE ACCORDINGLY
6. G.C. TO VERIFY IF THERE ARE ANY OBSTACLES WITHIN FIRST WEEK. IF THERE ARE ANY OBSTACLES IN OBTAINING PROPER HEIGHTS FOR FIXTURES OR FINISHES CONTACT TORRID PROJECT MANAGER IMMEDIATELY.
7. WHERE COMMUNICATION, COMPUTER, SECURITY, OR TELEPHONE LINES ARE (RE)LOCATED, COORDINATE WITH TORRID PM FOR ROUTING AND TIMING OF NEW LINES TO SERVICE REGISTERS AND SECURITY/ SOUND. ABANDONED TELEPHONE AND COMMUNICATION LINES ARE TO BE IDENTIFIED, MARKED AND CAPPED AS REQUIRED TO NEAREST AVAILABLE JUNCTION BOX OR SOURCE AND/ OR REMOVED BY G.C. V.I.F.
8. FIELD VERIFY FOR ANY RECESSED STANDARDS. IF EXISTING, CONTACT TORRID PM IMMEDIATELY.
9. CONSTRUCTION SITE TO BE A NON-SMOKING ENVIRONMENT AT ALL TIMES.
10. SUPERINTENDENT TO HAVE A WALK THROUGH WITH ELECTRICAL CONTRACTOR AND DEMOLITION CONTRACTOR PRIOR TO DEMOLITION TO IDENTIFY CIRCUITS AND WIRING THAT CAN BE RETAINED FOR THE NEW LAYOUT.

DEMOLITION NOTES:

1. EXISTING DEMISING WALLS – REMOVE ALL EXISTING FIXTURES ON WALLS – REPAIR, REPLACE OR INSTALL NEW 5/8" TYPE "X" GYPSUM BOARD.
2. REMOVE ANY EXISTING FIXTURES AND MATERIALS IN SPACE. REMOVE EXISTING CEILING AND GRID, AS NECESSARY.
3. CONTRACTOR TO VERIFY CONDITION OF ANY EXISTING DOORS TO REMAIN. VERIFY CONDITION OF HARDWARE. REPLACE IF NECESSARY. PROVIDE HARDWARE AS SPEC'D ON DRAWINGS.
4. SEE MECH. & ELECTRICAL DRAWINGS FOR FURTHER DEMOLITION WORK.
5. G.C. TO VERIFY AND REMOVE ADDITIONAL ITEMS PER PLANS AS REQ'D.
6. GENERAL CONTRACTOR TO MAINTAIN THE INTEGRITY OF ALL FIRE-RATED CONSTRUCTION. G.C. TO REPLACE OR RELOCATE, IN ACCORDANCE W/ LOCAL CODES, ALL FIRE SUPPRESSION & FIRE ALARM EQUIPMENT DISTURBED BY DEMOLITION OR CONSTRUCTION.
7. REMOVE ALL DEMOLITION MATERIALS INCLUDING RUBBISH AND DEBRIS PRIOR TO NEW CONSTRUCTION.
8. G.C. TO REMOVE ALL FLOORING & SUB-FLOORING MATERIAL DOWN TO THE SLAB – PROVIDE SMOOTH LEVEL SLAB FOR SCHEDULED FINISHES AND REMOVE ALL ADHESIVES, SOLVENTS OR OTHER COMPOUNDS – CHEMICAL PREPARATION OF THE SLAB IS NOT ACCEPTABLE – REFER TO MANUFACTURER'S INSTALLATION DIRECTIONS FOR FURTHER REQUIREMENTS.
9. FIRE RATING OF EXISTING FIREPROOFING TO BE MAINTAINED AT FLOOR/CEILING AREAS, INCLUDING PATCHING OF DISTURBED AREAS, AND EXISTING STRUCTURAL ASSEMBLIES.

REGISTRATION SEAL

ARCVISION MANAGEMENT CONSULTANTS

TORRID

CHAMPLAIN PLACE
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DIEPPE, NEW BRUNSWICK E1A 4X5
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REV	DATE	DESCRIPTION	NAME

PROJECT NO: 210807
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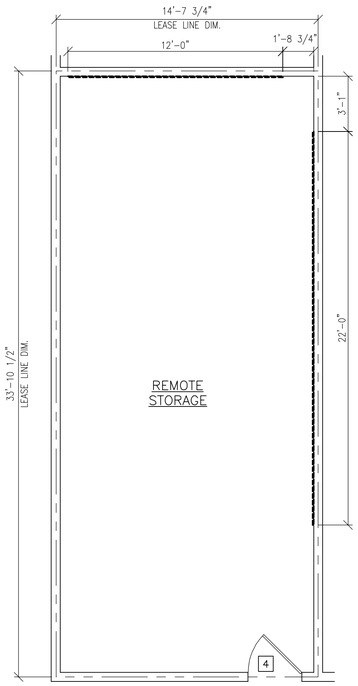
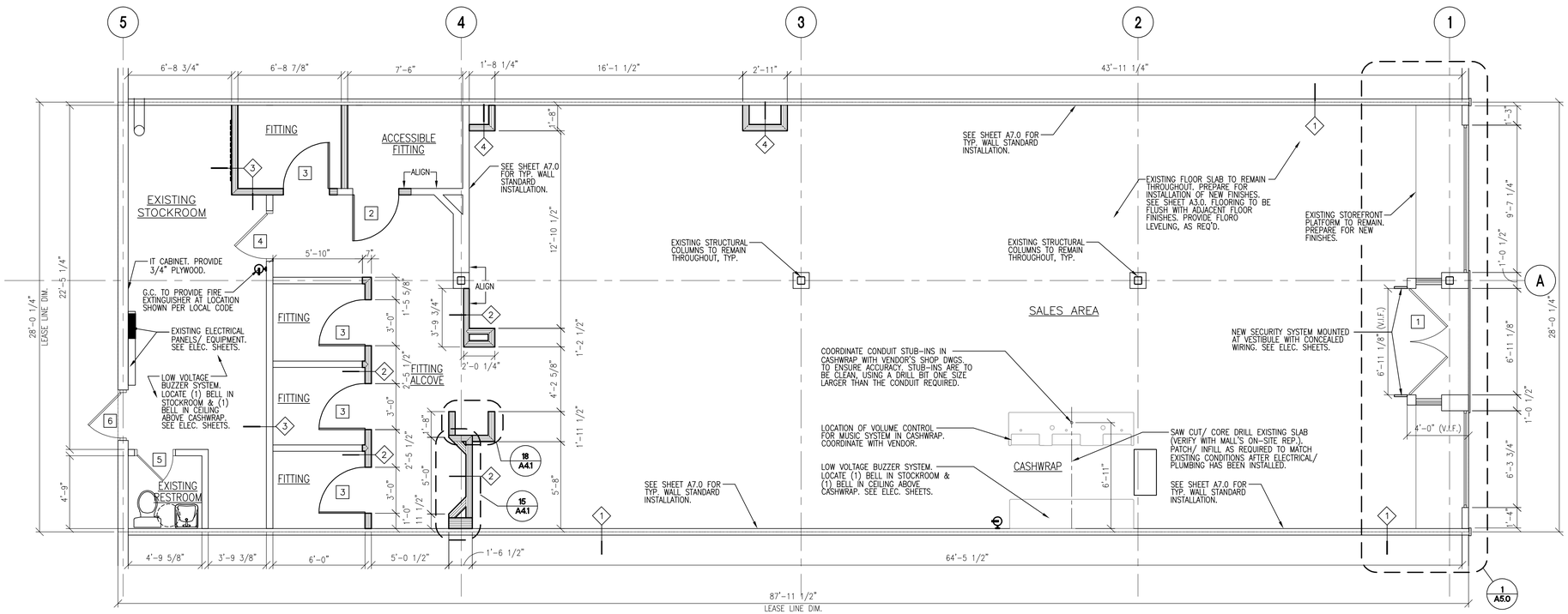
DEMOLITION PLAN

D1.0



2 STORAGE FLOOR PLAN
SCALE: 1/4" = 1'-0"



1 FLOOR PLAN
SCALE: 1/4" = 1'-0"

SQUARE FOOTAGES

SALES:	1,825 SQ.FT.
FITTING ROOMS:	376 SQ.FT.
STOCKROOM:	234 SQ.FT.
RESTROOMS:	29 SQ.FT.
REMOTE STORAGE:	496 SQ.FT.
TOTAL BUILDING:	2,960 SQ.FT.

GENERAL NOTES:

1. CONTRACTOR TO INCLUDE IN BASE BID TO PATCH, FLOAT OR REPLACE GYP. BD. ON DEMISING WALLS WHERE DAMAGED, UNSIGHTLY, OR MISSING FOR AN "AS NEW" FINISHED SURFACE.
2. WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS. CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING BIDS.

FOR FINISH SCHEDULE SEE SHEET T2.0

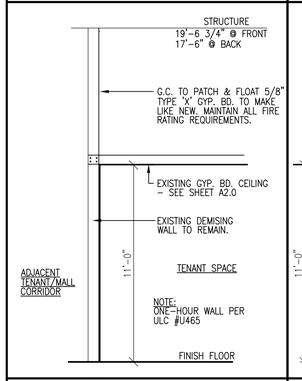
FOR DOOR DESCRIPTION(S)
SEE DOOR SCHEDULE, SHEET T2.0

NOTE:
1. **G.C. TO VERIFY ALL DIMENSIONS WITHIN (1) WEEK OF START OF PROJECT &/OR BEFORE ANY NEW CONSTRUCTION BEGINS. ANY DISCREPANCIES TO BE RESOLVED WITH TORRID P.M. PRIOR TO START OF FRAMING OR ROUGH-IN.**
2. **G.C. TO VERIFY FINAL FIXTURE LAYOUT AS WELL AS FINAL STANDARD LAYOUT WITH TORRID P.M. PRIOR TO INSTALLATION.**

WALL PARTITION LEGEND

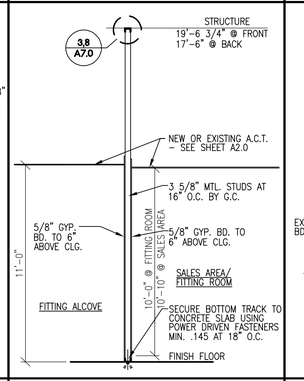
ITEM	DESCRIPTION		
	LEASE LINE		NEW FULL HEIGHT PARTITION, MTL. STUDS & FINISH TO CEILING OR DECK
	EXISTING DEMISING PARTITION		NEW PARTITION, MTL. STUDS AND GYP. BD. STOPS SHORT OF CEILING OR DECK
	NEW DEMISING PARTITION - PER MALL CRITERIA BY LANDLORD'S G.C.		NEW ONE-HOUR PARTITION
	EXISTING PARTITION TO REMAIN	◇	PARTITION TYPE - SEE SHEET A1.0
	EXISTING MASONRY DEMISING PARTITION	X	DOOR TYPE - SEE SHEET T2.0

PARTITION TYPE



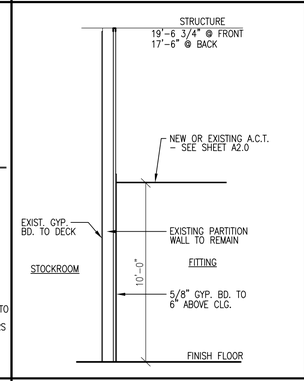
1 EXISTING ONE-HOUR RATED DEMISING WALL PARTITION N.T.S.

PARTITION TYPE



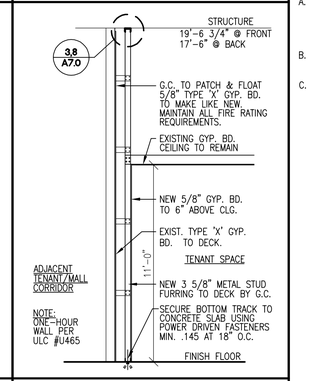
2 WALL PARTITION N.T.S.

PARTITION TYPE



3 WALL PARTITION N.T.S.

PARTITION TYPE



4 WALL PARTITION N.T.S.

STUD GA. LIMITING HT. SCHEDULE

A. TABLE BELOW IS BASED ON THE STEEL STUD MANUFACTURERS ASSOCIATION 2015 IBC TECHNICAL INFORMATION CATALOG (INTERIOR WALL LIMITING HEIGHTS – NON-COMPOSITE – FULL BRACED), REQUIREMENT FOR 5 PSF LATERAL PRESSURE AND 1/240 ALLOWABLE DEFLECTION FOR FLEXIBLE FINISHES, WITH 1 LAYER OF GYP. BD. PER SIDE OF STUD.

B. SCHEDULED HEIGHTS MAY BE INCREASED BY 50% WHERE THE STUDS ARE DIAGONALLY BRACED AT THE MAXIMUM HEIGHT POINT TO THE STRUCTURE ABOVE @ 4'-0" O.C.

C. CAUTION! WHEN USING STUDS MANUFACTURED BY A COMPANY, GENERAL CONTRACTOR TO VERIFY MANUFACTURERS STUD STRENGTH AND LIMITING HEIGHT. ADJUST GAUGE AND MAXIMUM HEIGHT RECOMMENDED BY MANUFACTURER'S CURRENT PRINTED SPECIFICATION.

Stud Width	Stud Type	Stud Gauge	Stud Spacing	Maximum Height
1-5/8"	162S125-30	20 GA. DRYWALL	16"	8'-5"
	162S125-33	20 GA. STRUCTURAL	16"	8'-8"
2-1/2"	250S125-30	20 GA. DRYWALL	16"	11'-7"
	250S125-33	20 GA. STRUCTURAL	16"	12'-0"
	250S125-43	18 GA.	16"	13'-0"
3-5/8"	362S125-30	20 GA. DRYWALL	16"	15'-6"
	362S125-33	20 GA. STRUCTURAL	16"	16'-0"
	362S125-43	18 GA.	16"	17'-5"
	362S125-54	16 GA.	16"	18'-7"
	362S125-68	14 GA.	16"	19'-11"
6"	600S125-30	20 GA. DRYWALL	16"	22'-11"
	600S125-33	20 GA. STRUCTURAL	16"	23'-9"
	600S125-43	18 GA.	16"	26'-1"
	600S125-54	16 GA.	16"	27'-11"
	600S125-68	14 GA.	16"	30'-0"

NESTED STUD COLUMNS: SEE PLAN FOR SIZES AND GAUGE.
NESTED STUD BEAMS: SEE PLANS FOR SIZES AND GAUGE.

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REV	DATE	DESCRIPTION	NAME

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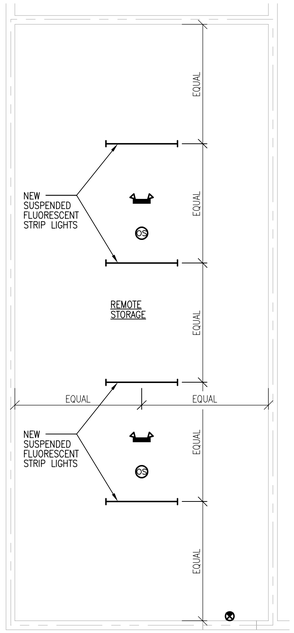
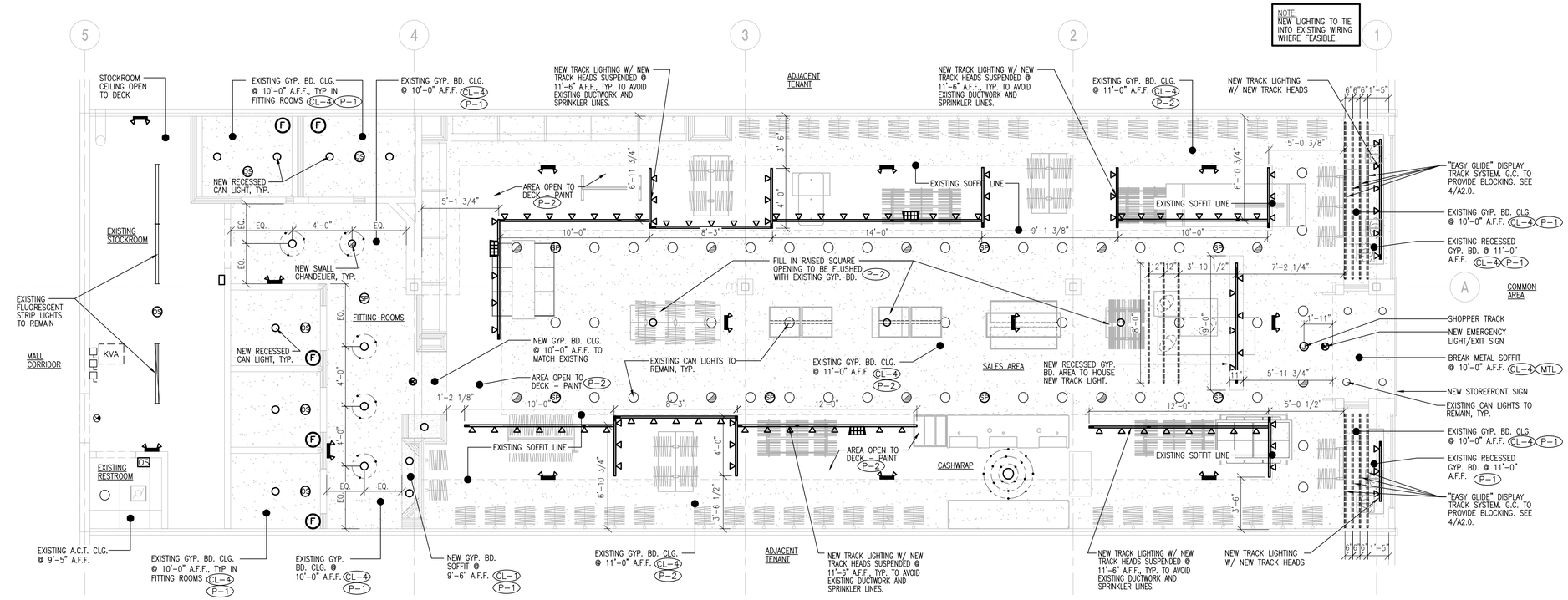
FLOOR PLAN

A1.0



2 STORAGE R.C.P.

SCALE: 1/4" = 1'-0"



1 PREFLECTED CEILING PLAN

SCALE: 1/4" = 1'-0"

CEILING TYPE SCHEDULE

SYMBOL	DESCRIPTION
CL-1	5/8" GYP. BD. OVER 3 5/8" X 18 GA. MTL. STUDS (362S162-43) @ 16" O.C. PREPARE FOR PAINT OR OTHER FINISHES, AS NOTED. HEIGHT PER PLAN.
CL-2	ACOUSTICAL CEILING SYSTEM. ENSURE GRID AND TILES ARE COMPATIBLE PRIOR TO ORDERING. ALL PIPES/ CONDUIT/ DUCTWORK, ETC. TO BE ABOVE CEILING, IF POSSIBLE. ANY COMPONENTS THAT ARE BELOW CEILING ARE TO BE GANGED, PARALLEL & PERPENDICULAR TO LEASE LINES.
CL-3	TO REMAIN OPEN TO DECK ABOVE. ALL CONDUITS SHALL BE GANGED, PARALLEL & PERPENDICULAR TO LEASE LINES. ALL PIPES, DUCTS & FIXTURES SHALL BE SUPPORTED FROM HANGRODS, NOT WIRE. REMOVE ANY UNUSED ITEMS. VERIFY HEIGHT IN FIELD.
CL-4	EXISTING GYP. BD. SOFFIT/ CEILING. PATCH/ REPAIR/ REPLACE AS REQUIRED FOR NEW FINISHES.
CL-5	EXISTING ACOUSTICAL CEILING SYSTEM. PATCH/ REPAIR/ REPLACE AS REQUIRED TO MATCH EXISTING. PROVIDE NEW A.C.T. WHERE REQUIRED. V.I.F. TYPE BEFORE ORDERING.

EMERGENCY LIGHTING NOTE:

1. G.C. TO COORDINATE LOCATION OF STOCKROOM EMERGENCY LIGHTING LOCATED ADJACENT TO SHELVING UNITS AND CLEAR SHELVING. VERIFY W/ TORRID P.M.

LIGHTING NOTE:

1. FINAL LOCATIONS OF ALL TRACK LIGHTING IN SALES AREA TO BE APPROVED BY TORRID P.M. G.C. TO COORDINATE LOCATIONS WITH FINAL STORE FIXTURE LAYOUT.

FIRE PROTECTION NOTES:

1. FIRE SPINKLER/ ALARM DESIGN, IF REQUIRED, SHALL BE CONDUCTED BY A STATE CERTIFIED DESIGNER.
2. FIRE SPRINKLER/ ALARM CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO LANDLORD AND ALL APPLICABLE CODE OFFICIALS, AS REQUIRED, FOR APPROVAL/ PERMITS.
3. FIRE SPRINKLER/ ALARM CONTRACTOR SHALL USE CEILING PLANS FOR LAYOUT TO COORDINATE SPRINKLER HEAD LOCATIONS AND ALTERATIONS OF EXISTING SYSTEM TO AVOID CONFLICTS WITH EXISTING CONDITIONS OR MECHANICAL AND ELECTRICAL SYSTEMS.
4. IT IS THE INTENT THAT SPRINKLER MAIN AND BRANCH LINES WILL NOT BE RELOCATED. HEADS WILL NEED TO BE (RE)LOCATED AS REQ'D. BY CHANGES IN THE CEILING DESIGN FROM CURRENT LAYOUT PER NFPA STANDARDS.
5. REPLACE HEADS WITH FULLY RECESSED HEADS WITH WHITE CAPS IN AN EXISTING A.C.T. OR GYP. BD. CEILING, WHERE NOT EXISTING.

REFLECTED CEILING PLAN NOTES:

1. THE REFLECTED CEILING PLAN SHALL GOVERN ALL CEILING PENETRATION LOCATIONS. MECHANICAL DUCTWORK & ALL ELECTRICAL CONDUITS SHALL BE RUN TO AVOID CONFLICT WITH THE REFLECTED CEILING PLAN. G.C. SHALL NOTIFY TENANT UPON THE START OF PROJECT OF EXISTING DUCTWORK, CONDUIT OR OTHER EXISTING SYSTEMS WILL CONFLICT WITH THE PROPOSED REFLECTED CEILING PLAN. NO MODIFICATIONS TO THE REFLECTED CEILING PLAN WILL BE ACCEPTED DUE TO INSTALLATION OF CONTRACTOR PROVIDED SYSTEMS OR EQUIPMENT.
2. PROVIDE CEILING ACCESS PANELS IN GYP. BD. CEILINGS, AS REQUIRED BY ENGINEERS & FOR ANY EXISTING LANDLORD EQUIPMENT. PAINT TO MATCH ADJACENT CEILING FINISHES.
3. PROVIDE ADEQUATE CLEARANCES FOR DUCTS & RELATED APPURTENANT ITEMS NECESSARY TO MAINTAIN THE SPECIFIED HEIGHTS FOR CEILING SYSTEMS AND LIGHT FIXTURES ABOVE THE FINISHED FLOOR.
4. TRACK LIGHTS/ BIAX FIXTURES TO BE ALIGNED IN GRID PATTERN AND LENGTH OF TRACK TO BE OFFSET 2" PARALLEL TO GRID. AIM PER TENANT'S DIRECTION.
5. G.C. TO COORDINATE EXACT LOCATION OF SPEAKERS WITH VENDOR.
6. CEILING COMPONENTS IN SALES AREA INCLUDING A.C.T. GRID, MECH. DIFFUSERS AND CEILING GRATES TO BE PAINTED "P-2". COORDINATE WITH TENANT.

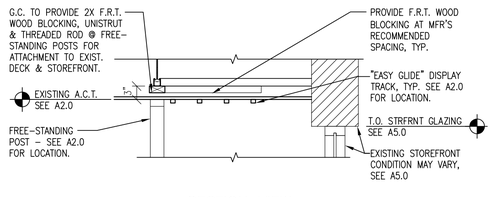
CONTRACTOR'S NOTE:

1. WRITTEN DIMENSIONS HOLD PREFERENCE OVER SCALED DIMENSIONS. DO NOT SCALE DRAWINGS. CONTRACTORS MUST VISIT JOB SITE TO VERIFY ALL EXISTING CONDITIONS & DIMENSIONS BEFORE SUBMITTING BIDS. REPORT ANY DISCREPANCIES OF ANY CONDITIONS WHICH MAY INTERFERE WITH THE PROPER EXECUTION OF, TO TENANT REPRESENTATIVE. REPORT DISCREPANCIES DURING BIDDING PROCESS AND BEFORE START OF CONSTRUCTION. EXTRAS WILL NOT BE ALLOWED FOR JOB OR CODE COMPLIANCE CONDITIONS AFTER COMMENCEMENT OF CONSTRUCTION.

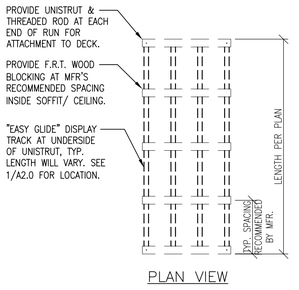
LIGHT FIXTURE SCHEDULE

QTY	SYMBOL	TYPE	MANUFACTURER	CATALOG NO.	DESCRIPTION	MOUNT	REF NOTES
--		C	JUNO	T259L-G2-30K-80CRI-PDIM-WH	TRAC-MASTER LED WALL WASH/ FLOOD	TRACK	1
--	▽	D	JUNO	T689-WH	TRAC-MASTER SPOTLIGHT W/ LED PAR30 LAMP	TRACK	1
--	▭	EA	JUNO	R2WH	SINGLE CIRCUIT 24" TRACK WHITE FINISH	SUSPEND @ 12'-0" A.F.F./ SURFACE	1
--	▭	EB	JUNO	R4WH	SINGLE CIRCUIT 48" TRACK WHITE FINISH	SUSPEND @ 12'-0" A.F.F./ SURFACE	1
--	▭	EC	JUNO	R6WH	SINGLE CIRCUIT 72" TRACK WHITE FINISH	SUSPEND @ 12'-0" A.F.F./ SURFACE	1
--	▭	ED	JUNO	R8WH	SINGLE CIRCUIT 96" TRACK WHITE FINISH	SUSPEND @ 12'-0" A.F.F./ SURFACE	1
--	▬	EE	JUNO	R38WH	LIVE END POWER FEED WHITE FINISH	--	--
--	▬	EF	JUNO	R23WH	CENTER "MINI-CONNECTOR" FEED	--	--
--	▬	EG	JUNO	RCLF11WH	CURRENT LIMITING POWER FEED WHITE FINISH	--	--
--	○	F	JUNO	TC22LED-04-14LM-30K-90CRI-ZT10/27CWH/LB27	6" VERTICAL LED DOWNLIGHT	RECESSED	1
--	⁘	H	TROY LIGHTING	KF17414 LED4E12B-1127K CANDELABRA	CEILING PENDANT – POLISHED STAINLESS STEEL FINISH	SUSPEND B.O. FIXT. @ 7'-9" A.F.F.	1
--	⁘	I	TROY LIGHTING	KF17414-20-1 LED4E12B-1127K CANDELABRA	CEILING PENDANT – POLISHED STAINLESS STEEL FINISH	SUSPEND B.O. FIXT. @ 8'-6" A.F.F.	1
--	⟷	J	LITHONIA	ZL1N-L48-5000LM-FST-MVOLT-30K-80CRI-WH	4' LED STRIPLIGHT – WHITE FINISH	SUSPEND @ 13'-0" A.F.F/ SURFACE	1
--	⦻	W	MAXILUME	ELX-603-R-W	EMERGENCY EXIT SIGN WITH 90 MIN BATTERY BACKUP	DIRECTLY BELOW CLG. OR B.O. FIXT. @ 12'-0" A.F.F.	1
--	⟷	Y	LITHONIA	ELM6L-UVOLT-LTP-SDRT	EMERGENCY WALL PACK WITH 90 MIN BATTERY BACKUP	CLG. OR B.O. FIXT. @ 12'-0" A.F.F.	1,4,5
--	⟷	YY	MAXILUME	ELM-LED-803-W	EMERGENCY WALL PACK WITH 90 MIN BATTERY BACKUP	WALL @ 8'-0" A.F.F.	1,4,5
--	⦻	X	MAXILUME	ELX-703-R-W	EMERGENCY EXIT SIGN WITH 90 MIN BATTERY BACKUP	DIRECTLY BELOW CLG. OR B.O. FIXT. @ 12'-0" A.F.F.	1
--	Ⓕ	FR	MATTHEWS	TRD-KC-CR-OSC	FAN OSCILLATING POLISH CHROME --	--	9

1. FIXTURES AND LAMPS SUPPLIED BY TENANT AND INSTALLED BY ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
2. EQUIP NEW FLUORESCENT LIGHT FIXTURES WITH ELECTRONIC BALLASTS.
3. FIXTURES SHOWN WITH CROSS-HATCH ARE TO BE NIGHT LIGHTS.
4. FIXTURES USED FOR EXIT, EMERGENCY, OR NIGHT LIGHTING TO BE ON LOCKOUT CIRCUIT.
5. ALL FIXTURES USED FOR EXIT, OR EMERGENCY LIGHTS TO HAVE 90 MINUTE BATTERY BACK UP.
6. LIGHTING VENDOR IS RESPONSIBLE FOR VERIFYING CORRECT NUMBER OF FIXTURES/LAMPS REQUIRED.
7. ALL FIXTURES EXISTING TO REMAIN ARE TO BE CLEANED TO "LIKE-NEW" & RELAMPED BY E.C. REBALLAST FIXTURES ONLY AS REQUIRED.
8. WHEN REQUIRED, LIGHTING CONTROLS ARE SUPPLIED BY TENANT'S VENDOR AND INSTALLED BY E.C.
9. FAN IS TO BE CEILING MOUNTED AND ORIENTED SO THAT AIR FLOW IS DIRECTED TOWARD FITTING ROOM BENCH. PROVIDE BLOCKING IN CEILING FOR ADEQUATE SUPPORT OF FAN. REFER TO CUT SHEET ON TORRID PROCORE SITE AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION.



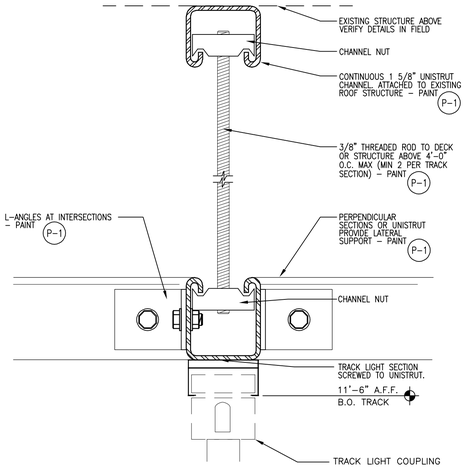
SECTION VIEW



PLAN VIEW

4 DISPLAY TRACK DETAIL

SCALE: 3/4"-1'-0"



3 SUSPENDED TRACK LIGHT DETAIL

SCALE: 1" = 1'-0"

REGISTRATION SEAL

ARCHVISION MANAGEMENT CONSULTANTS

TORRID

CHAMPLAIN PLACE

477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5

SPACE# H005A STORE# 3529

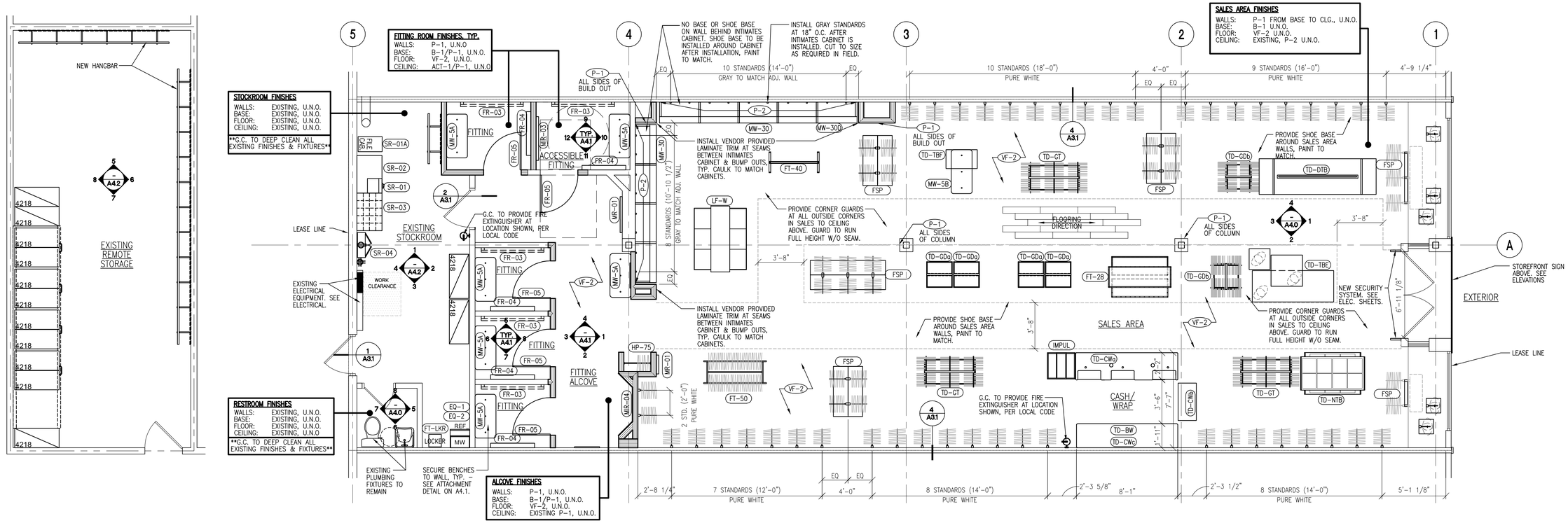
REV	DATE	DESCRIPTION	NAME

PROJECT NO: 210807
DRAWN BY: CLS
CHECKED BY: ACB

ISSUE DATE: 01/20/22

REFLECTED CEILING PLAN

A2.0



2 STORAGE FIXTURE PLAN

SCALE: 1/4" = 1'-0"

1 FIXTURE/ FLOOR FINISH PLAN

SCALE: 1/4" = 1'-0"

FOR FINISH SCHEDULE SEE SHEET T2.0

CONTRACTOR'S NOTE:

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2. FIXTURE PLAN, FLOOR PLAN, INTERIOR ELEVATION SHEET, REFLECTED CEILING PLAN, DEMOLITION PLAN ARE OF THE SPECIFIC STORE. DETAIL SHEETS ARE GENERAL AND MAY OR MAY NOT BE STORE SPECIFIC.

FIXTURE SCHEDULE

QUANTITY	SYMBOL	DESCRIPTION	SUPPLIED BY	INSTALLED BY
11	FSP	FREE-STANDING POST, 2-SIDED	TENANT	G.C.
1	FT-28	JEWELRY TABLE	TENANT	G.C.
1	FT-40	ROLLING RACK	TENANT	G.C.
1	FT-50	CLEARANCE RACK	TENANT	G.C.
1	HP-75	GO-BACK BAR	TENANT	G.C.
6	MW-5A	(TRD-MW-5A-04) FR SOFA	TENANT	G.C.
1	MW-5B	(TRD-MW-5A-03) SHOE SOFA	TENANT	G.C.
–	MW-21	PERIMETER WALL FRAME	TENANT	G.C.
2	MW-30	INTIMATES BACK WALL CABINET	TENANT	G.C.
1	MW-30D	(TRD-MW30-01-D) INTIMATES BACK WALL SINGLE CABINET	TENANT	G.C.
1	LF-W	PANTY TABLE	TENANT	G.C.
1	TD-BW	BACK WRAP	TENANT	G.C.
1	TD-CWa	CASH WRAP	TENANT	G.C.
1	TD-CWb	(TD-CWSIDE) CASH WRAP – ADA SIDE	TENANT	G.C.
9	TD-CWc	(TD-CWMIR) BACK WRAP MIRRORS	TENANT	G.C.
1	TD-DTB	DENIM TABLE	TENANT	G.C.
4	TD-GDa	(TD-GDBL) H RACK – ACCESSORY	TENANT	G.C.
2	TD-GDb	(TD-GDBL) DOUBLE GONDOLA	TENANT	G.C.
3	TD-GT	(TD-GTPL) TRIPLE GONDOLA	TENANT	G.C.
1	TD-NTB	NESTING TABLE	TENANT	G.C.
1	TD-TBE	(TD-TBETR) ENTRY TABLE	TENANT	G.C.
1	TD-TBF	(TD-TBFTWR) SHOE TABLE	TENANT	G.C.
2	MIR-01	MIRROR – CUSTOM FRAMED	G.C.	G.C.
–	MIR-02	MIRROR – CUSTOM FRAMED	G.C.	G.C.
1	MIR-03	FITTING ROOM MIRROR – CUSTOM FRAMED – NON BACKLIT	G.C.	G.C.

QUANTITY	SYMBOL	DESCRIPTION	SUPPLIED BY	INSTALLED BY
1	MIR-04	3-WAY MIRROR	G.C.	G.C.
1	IMPUL	(IMPULFR-00) IMPULSE FIXTURE	TENANT	G.C.
1	EQ-01	DANBY 0.7 CU FT COUNTERTOP MICROWAVE OVEN – DMW07A42DB	TENANT	G.C.
1	EQ-02	DANBY 3.2 CU FT COMPACT REFRIGERATOR – DCR032C1WDB	TENANT	G.C.
5	FR-03	(FR-WG) FITTING ROOM GRID	TENANT	G.C.
5	FR-04	(FR-MIR) FITTING ROOM MIRROR – CUSTOM FRAMED – BACKLIT	TENANT	G.C.
5	FR-05	(FR-DOOR) FITTING ROOM DOOR	TENANT	G.C.
1	SR-01	SAFE	TENANT	TENANT'S VENDOR
1	SR-01A	FILE CABINET	TENANT	G.C.
1	SR-02	MANAGER'S DESK	TENANT	TENANT'S VENDOR
1	SR-03	TUBE STORAGE	TENANT	TENANT'S VENDOR
1	SR-04	IT CABINET @ 7'-6" A.F.F.	TENANT	G.C.
1	FT-LKR	LOCKER	TENANT	VENDOR
44	--	SURFACE MOUNTED STANDARDS – SALES AREA, POWDER COATED PURE WHITE	TENANT	G.C.
18	--	SURFACE MOUNTED STANDARDS – SALES AREA, POWDER COATED GRAY	TENANT	G.C.
1	--	CUP	TENANT	G.C.
--	--	BULLETIN BOARD	TENANT	G.C.
--	--	DETAGGER	TENANT	G.C.
8	--	MOBILE SHELVING UNITS	TENANT	TENANT'S VENDOR
5	--	FIXED SHELVING UNITS	TENANT	G.C. TO RELOCATE
--	--	HANGING ROD – SIZE PER PLAN	TENANT	TENANT'S VENDOR
--	--	HANGING ROD – HANGER MANAGEMENT	TENANT	TENANT'S VENDOR

NOTE: STANDARDS FOR HANGING RODS FURNISHED BY VENDOR. WOOD MOUNTING STRIPS, HANGROD, FASTENERS AND INSTALLATION BY VENDOR.

G.C. MISC. & TURNOVER NOTES:

1. G.C. TO REVIEW BILL OF LADING UPON RECEIPT OF ALL SHIPMENTS. ANY DAMAGES OR SHORTAGES ARE TO BE INDICATED AT RECEIPT, OR WITHIN 24 HOURS. FAILURE TO DO SO WILL REQUIRE G.C. TO CONTACT VENDORS LISTED AND PURCHASE SAID ITEMS AT G.C. COST.
2. ALL OVERAGES OF TENANT SUPPLIED ITEMS ARE TO BE STORED IN STOCKROOM.
3. G.C. TO PROVIDE FIRE EXTINGUISHERS AS REQUIRED BY CODE. G.C. TO ALSO PROVIDE THE FIRST SERVICE TAG WITH DATE PRIOR TO TURNOVER.
4. G.C. TO REPORT ANY MISSING PIECES OF VENDOR SUPPLIED SHELVING WITHIN 48 HOURS OF RECEIVING ORDER, FAILURE TO DO SO WILL RESULT IN G.C. HAVING TO REPLACE AT OWN EXPENSE.
5. VENDOR TO BOLT THE SAFE TO THE FLOOR, UNDERNEATH THE MANAGER'S DESK. COORDINATE WITH TORRID PROJECT MANAGER.
6. MEET PHONE COMPANY FOR PHONE LINES AND JACK INSTALLATION:
   A. CALL IN ADVANCE TO FIND OUT EXPECTED TIME OF ARRIVAL.
   B. INSTRUCT PHONE TECH TO INSTALL (1) JACK AT #1 CASH REGISTER LOCATION.
   C. EVERY JACK SHOULD BE CLEARLY LABELED WITH PHONE NUMBER.
   D. CALL NANCY @ (626) 839-4681 TO VERIFY INSTALLATION IS COMPLETE.
7. CONDUCT FINAL WALK THROUGH WITH DM:
   A. BE SURE THEY HAVE ALL KEYS TO THE STORE.
   B. WRITE DOWN ANY EXTRA REQUESTS FROM DM ON STORE INSPECTION SHEET.
   C. VERIFY THE LIST IS COMPLETED BEFORE YOU LEAVE THE JOB SITE.
   D. DM MUST SIGN OFF ON THIS PORTION OF G.C.'S DUTIES FOR COMPLETION OF PUNCH LIST.
8. TRUCK ARRIVAL: TRUCK WILL ARRIVE ON FRIDAY AT 7:00 AM.
9. BE PRESENT TO CORRECT ANY PROBLEMS THAT MAY ARISE DURING CONNECTIVITY TEST TO CAT5 WIRING CONDUCTED BY TORRID P.M.
10. COVER AND PROTECT CARPET TILES AFTER INSTALLATION.
11. PROVIDE SECOND DUMPSTER AT TURNOVER FOR TENANT REFUSE.
12. PLACE PLASTIC PIECES FOR DISPLAY TRACK IN CASHWRAP DRAWER AT TURNOVER.
13. ALL SHELVES TO BE INSTALLED IN CASHWRAP FOR TURNOVER.
14. SENSOR DETAGGERS TO BE INSTALLED ON CASHWRAP, NOT BACKWRAP (CONFIRM PLACEMENT WITH TORRID P.M.)
15. ALL HARDWARE BOXES TO BE STAGED FOR TURNOVER UNDER CORRECTLY PLACED TABLES; MUST BE DUST FREE AND STACKED BY LIKENESS.
16. OWNER SUPPLIED FITTING ROOM HOOKS TO BE INSTALLED PER ELEVATIONS.
17. MANAGER'S DESK AND MARKETING UNIT TO BE SUPPLIED AND INSTALLED BY TENANT PER LAYOUT. NO CHANGES ALLOWED WITHOUT APPROVAL.
18. ROLLER RACKING TO BE SUPPLIED AND INSTALLED BY TENANT PER THE SUPPLIED INSTRUCTIONS. NO CHANGES ALLOWED WITHOUT APPROVAL.
19. ALL 5 PALLETS OF OFFICE SUPPLIES RECEIVED FROM DDS TO BE STAGED BACK TO BACK STARTING AT THE CENTER FLOOR-TO-CEILING POST WITH BOX NUMBERS FACING FORWARD. MUST CONFIRM ALL BOXES RECEIVED AND WITHOUT DAMAGE BEFORE THE DRIVER LEAVES THE SITE.
20. FIXTURE ASSEMBLY REQUIRED UPON DELIVERY OF THE FOLLOWING:
   A. ALL SALES FLOOR TABLES
   B. ALL GONDOLAS AND ACCESSORY FIXTURES
   C. ALL FLOOR-TO-CEILING POSTS
   D. ALL INTIMATE CABINETS
21. INSTALL BULLETIN BOARDS AND OTHER MISC. OWNER SUPPLIED ITEMS PER PM/DM DIRECTION.
22. SUPPLY FITTING ROOM DOOR FRAMES. FITTING ROOM DOORS TO BE MORTISED BY G.C.
23. UNBOX ALL SHELVES AND SPREAD EVENLY AROUND PERIMETER OF SALES FOR TURNOVER. BROWN SHELVES BY DENIM TABLE. ALL PALLETS AND BOXES ARE TO BE DISCARDED.
24. LEAVE ALL HARDWARE IN BOXES AND PLACE ON EACH SIDE OF THE CENTER POST FIXTURE AND STACKED BY LIKENESS.
25. PROVIDE A FORKLIFT WITH EXTENSION AND PALLET JACK–REQUIRED TO UNLOAD TWO DELIVERIES OF FIXTURES.

REGISTRATION SEAL

ARCVISION MANAGEMENT CONSULTANTS

TORRID

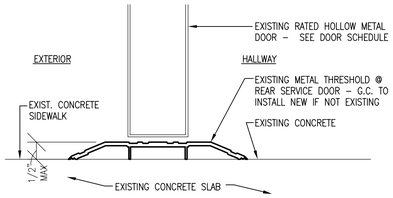
CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

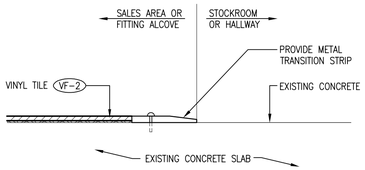
PROJECT NO: 210807
DRAWN BY: CLS
CHECKED BY: ACB
ISSUE DATE: 01/20/22

FIXTURE/ FLOOR FINISH PLAN

A3.0



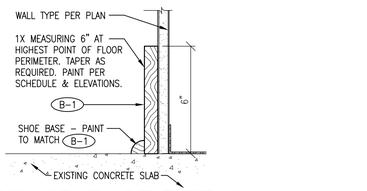
1 EXTERIOR/CONC. DTL.
SCALE: 6" = 1'-0"



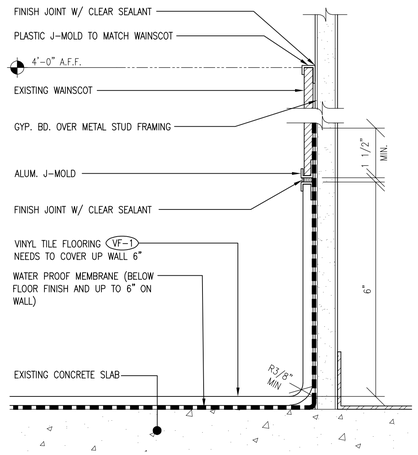
2 VINYL TILE/ CONC. DTL.
SCALE: 6" = 1'-0"

DETAIL NOT CURRENTLY USED

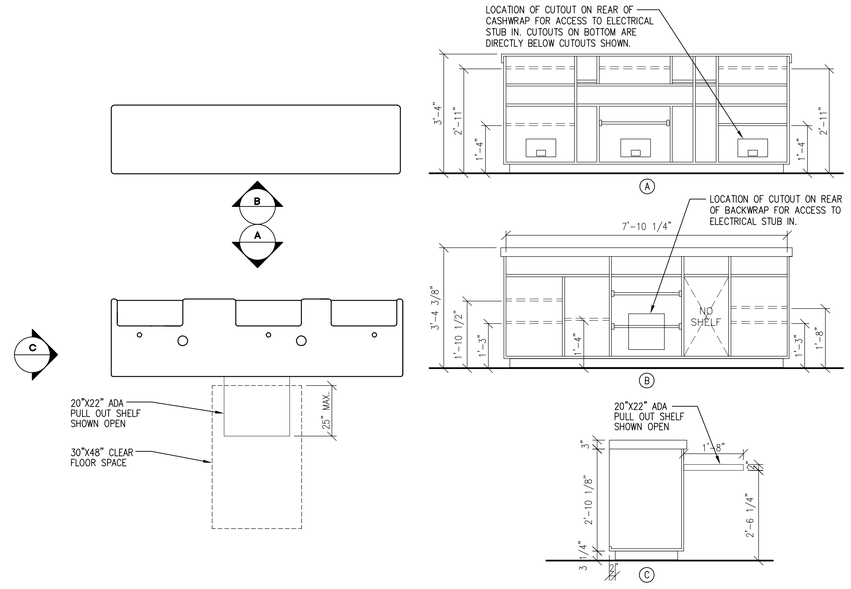
3 VINYL TILE/CARPET TILE
SCALE: 6" = 1'-0"



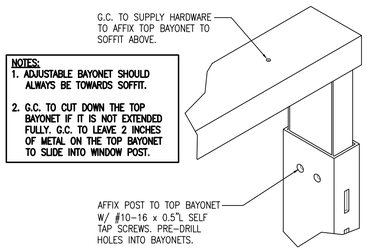
4 WOOD BASE DETAIL
SCALE: 3" = 1'-0"



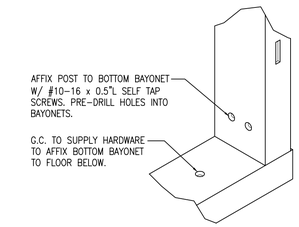
5 RESTROOM WAINSCOT DTL.
SCALE: 6" = 1'-0" *WHEN REQUIRED*



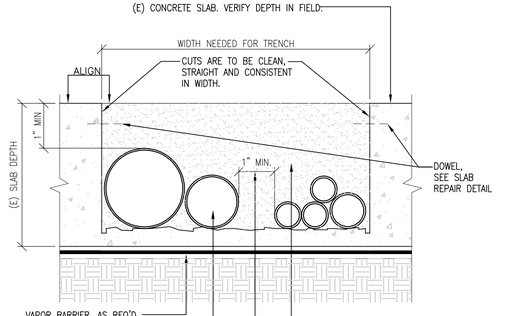
6 CASHWRAP + ADA SHELF
SCALE: 1/2" = 1'-0"



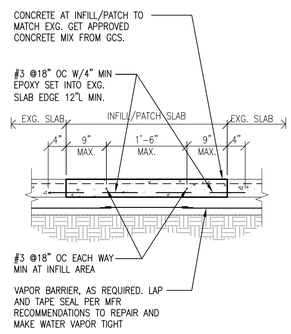
7 POST DETAIL @ SOFFIT
SCALE: N.T.S



8 POST DETAIL @ FLOOR
SCALE: N.T.S



9 TRENCHING DTL.
SCALE: 6" = 1'-0"



10 SLAB REPAIR DETAIL
SCALE: 3/4" = 1'-0"

CONTRACTOR'S NOTES:

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REGISTRATION SEAL

ARCVISION MANAGEMENT CONSULTANTS

TORRID

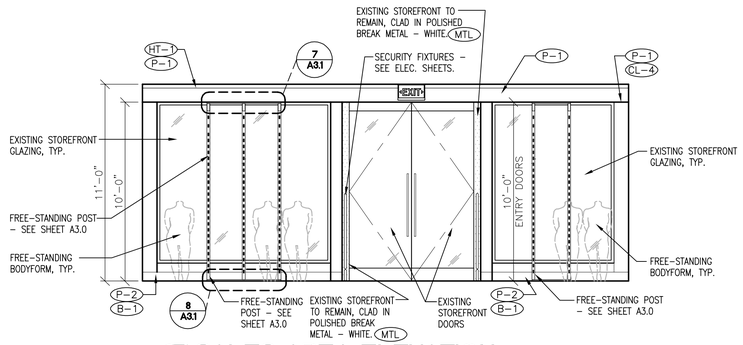
CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

PROJECT NO: 210807
DRAWN BY: CLS
CHECKED BY: ACB
ISSUE DATE: 01/13/22

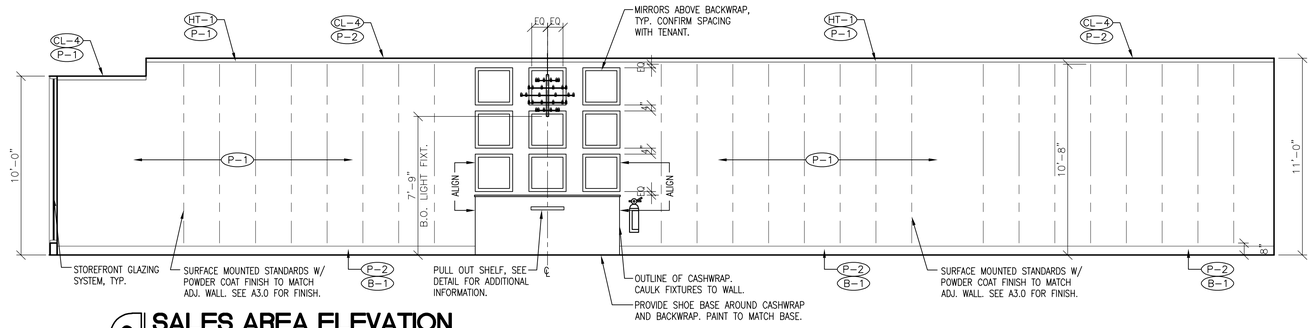
STANDARD DETAILS

A3.1



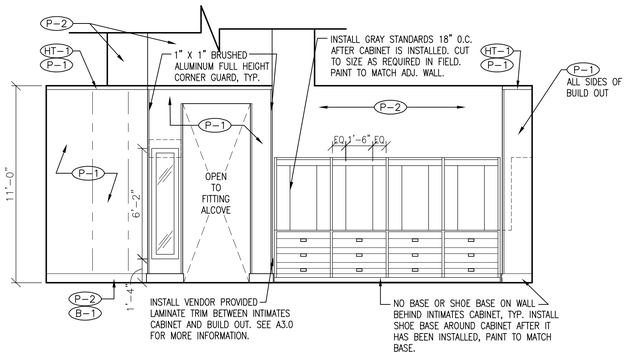
1 SALES AREA ELEVATION

SCALE: 1/4" = 1'-0"



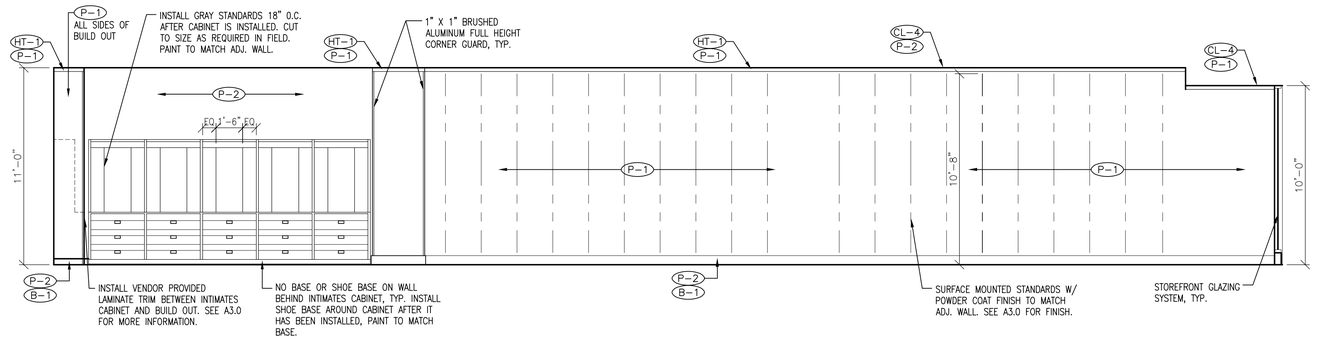
2 SALES AREA ELEVATION

SCALE: 1/4" = 1'-0"



3 SALES AREA ELEVATION

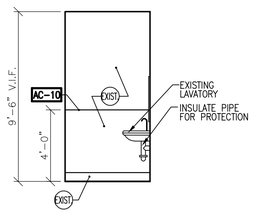
SCALE: 1/4" = 1'-0"



4 SALES AREA ELEVATION

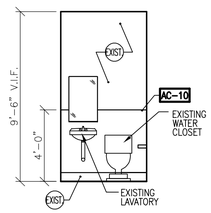
SCALE: 1/4" = 1'-0"

NOTE:
ALL HOT, COLD, & WASTE LINES SHALL HAVE AN INSULATION KIT INSTALLED.



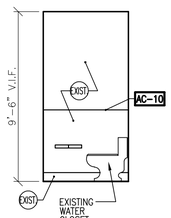
5 RESTROOM ELEV.

SCALE: 1/4" = 1'-0"



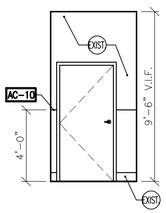
6 RESTROOM ELEV.

SCALE: 1/4" = 1'-0"



7 RESTROOM ELEV.

SCALE: 1/4" = 1'-0"



8 RESTROOM ELEV.

SCALE: 1/4" = 1'-0"

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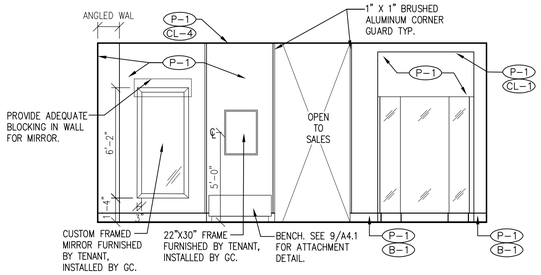
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

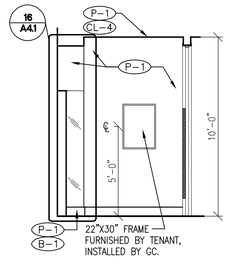
PROJECT NO: 210807
DRAWN BY: CLS
CHECKED BY: ACB
ISSUE DATE: 01/20/22

SALES AREA ELEVATIONS

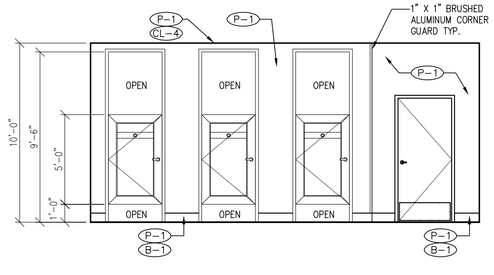
A4.0



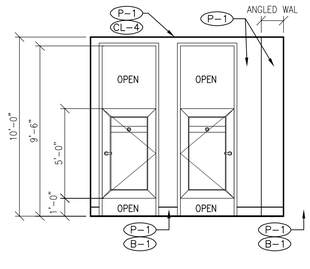
1 FITTING ALCOVE ELEVATION
SCALE: 1/4" = 1'-0"



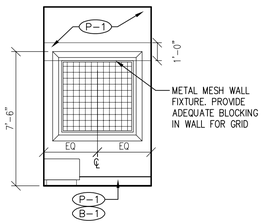
2 FITTING ALCOVE ELEVATION
SCALE: 1/4" = 1'-0"



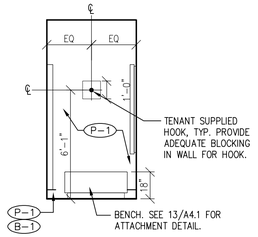
3 FITTING ALCOVE ELEVATION
SCALE: 1/4" = 1'-0"



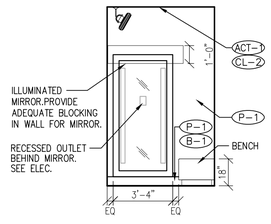
4 FITTING ALCOVE ELEVATION
SCALE: 1/4" = 1'-0"



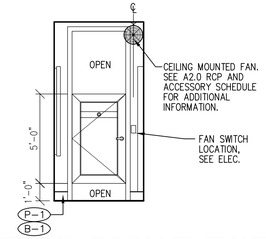
5 FITTING ROOM ELEVATION
SCALE: 1/4" = 1'-0"



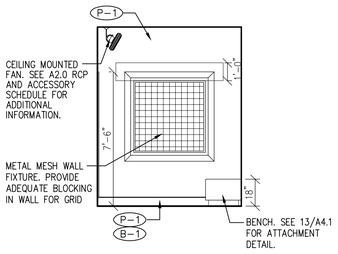
6 FITTING ROOM ELEVATION
SCALE: 1/4" = 1'-0"



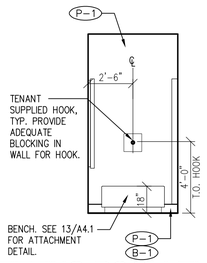
7 FITTING ROOM ELEVATION
SCALE: 1/4" = 1'-0"



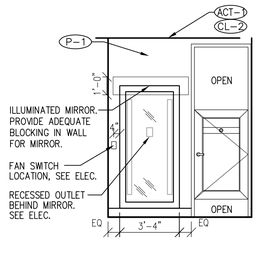
8 FITTING ROOM ELEVATION
SCALE: 1/4" = 1'-0"



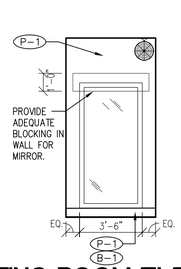
9 FITTING ROOM ELEVATION
SCALE: 1/4" = 1'-0"



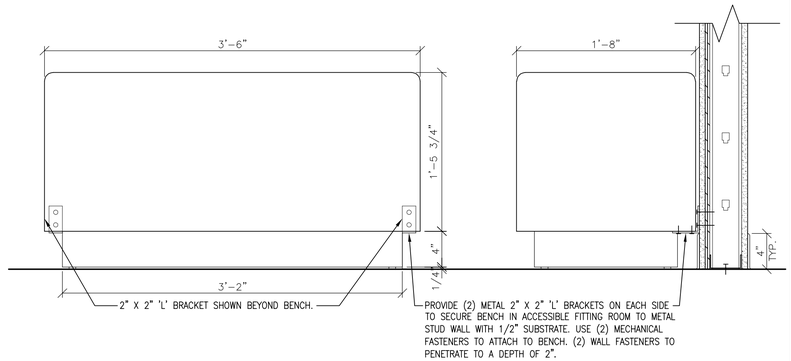
10 FITTING ROOM ELEVATION
SCALE: 1/4" = 1'-0"



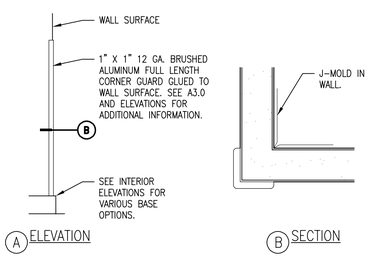
11 FITTING ROOM ELEVATION
SCALE: 1/4" = 1'-0"



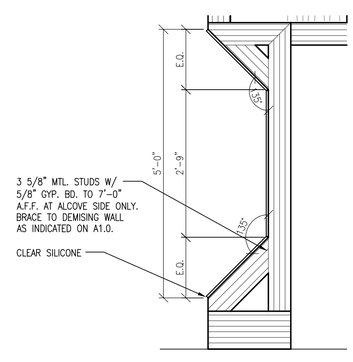
12 FITTING ROOM ELEVATION
SCALE: 1/4" = 1'-0"



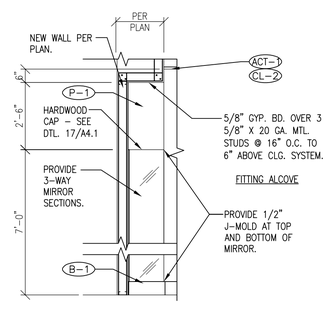
13 BENCH ATTACHMENT DETAIL
SCALE: 1 1/2" = 1'-0"



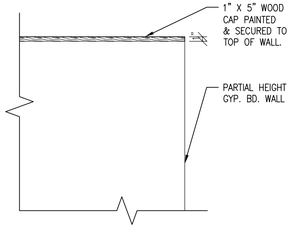
14 ALUMINUM CORNER GUARD
SCALE: 3/4" = 1'-0"



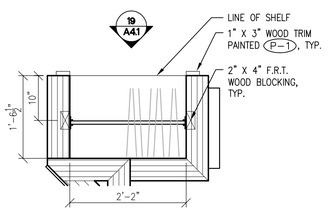
15 3-WAY MIRROR DETAIL
SCALE: 3/4" = 1'-0"



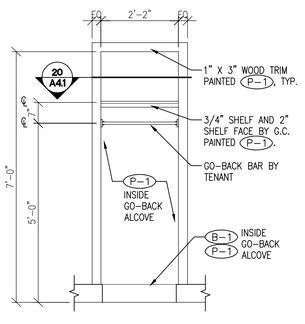
16 FITTING ROOM HALF-WALL
SCALE: 3/8" = 1'-0"



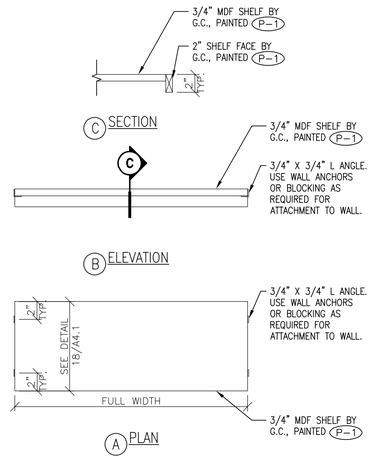
17 HARDWOOD CAP
SCALE: 3/4" = 1'-0"



18 GO-BACK BAR
SCALE: 3/4" = 1'-0"



19 GO-BACK ELEV.
SCALE: 1/2" = 1'-0"



20 GO-BACK BAR SHELF DETAIL
SCALE: 1 1/2" = 1'-0"

REGISTRATION SEAL

ARCVISION
MANAGEMENT CONSULTANTS

TORRID

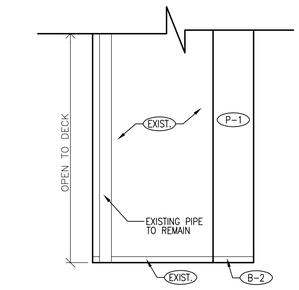
CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

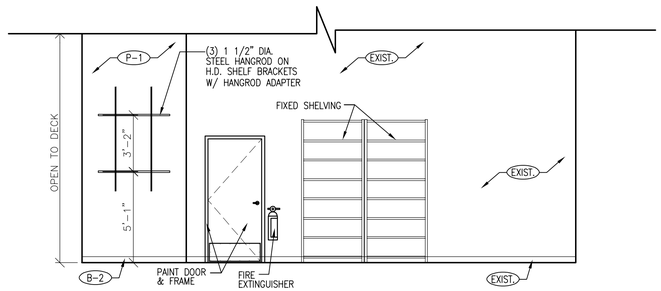
PROJECT NO: 210807
DRAWN BY: CLS
CHECKED BY: ACB
ISSUE DATE: 01/20/22

FITTING ROOM DETAILS

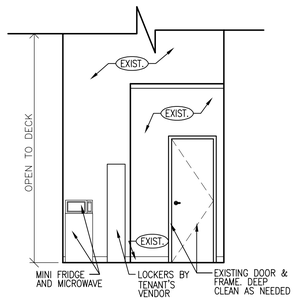
A4.1



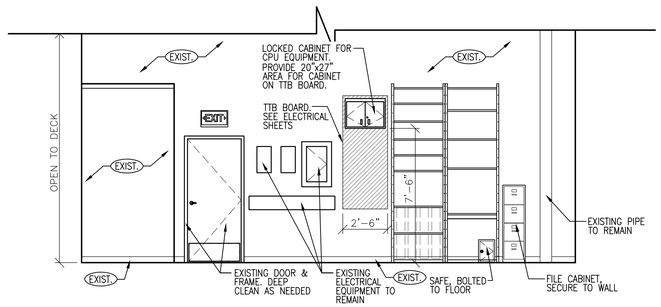
1 STOCKROOM ELEVATION
SCALE: 1/4" = 1'-0"



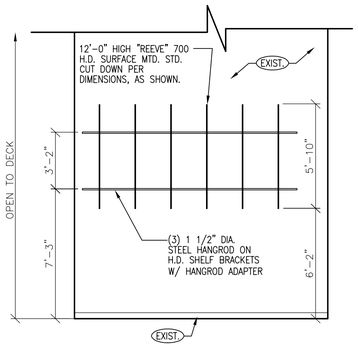
2 STOCKROOM ELEVATION
SCALE: 1/4" = 1'-0"



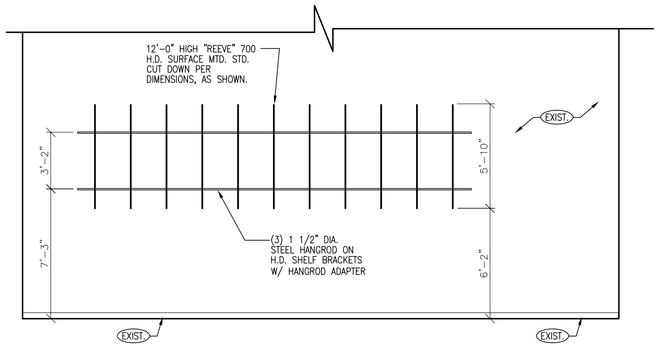
3 STOCKROOM ELEVATION
SCALE: 1/4" = 1'-0"



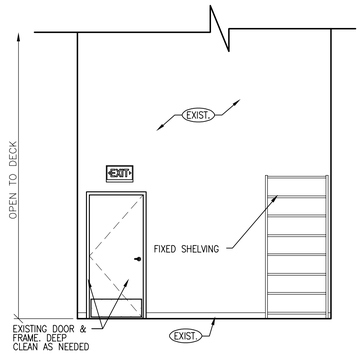
4 STOCKROOM ELEVATION
SCALE: 1/4" = 1'-0"



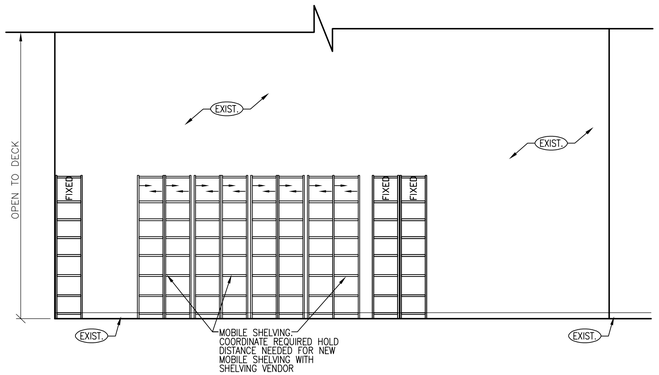
5 REMOTE STORAGE ELEVATION
SCALE: 1/4" = 1'-0"



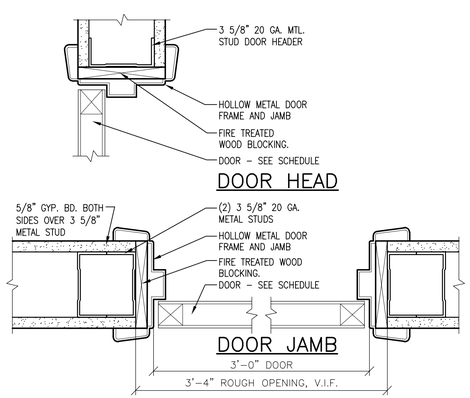
6 REMOTE STORAGE ELEVATION
SCALE: 1/4" = 1'-0"



7 REMOTE STORAGE ELEVATION
SCALE: 1/4" = 1'-0"



8 REMOTE STORAGE ELEVATION
SCALE: 1/4" = 1'-0"



9 TYP. H.M. DOOR JAMB/HEAD DETAIL
SCALE: 3" = 1'-0"

REGISTRATION SEAL

ARCVISION
MANAGEMENT CONSULTANTS

TORRID

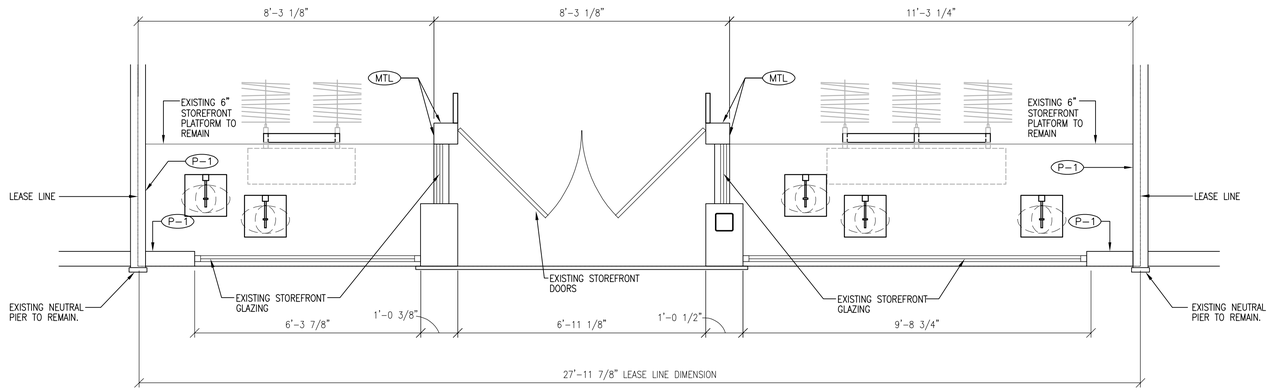
CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

PROJECT NO: 210807
DRAWN BY: CLS
CHECKED BY: ACB
ISSUE DATE: 01/20/22

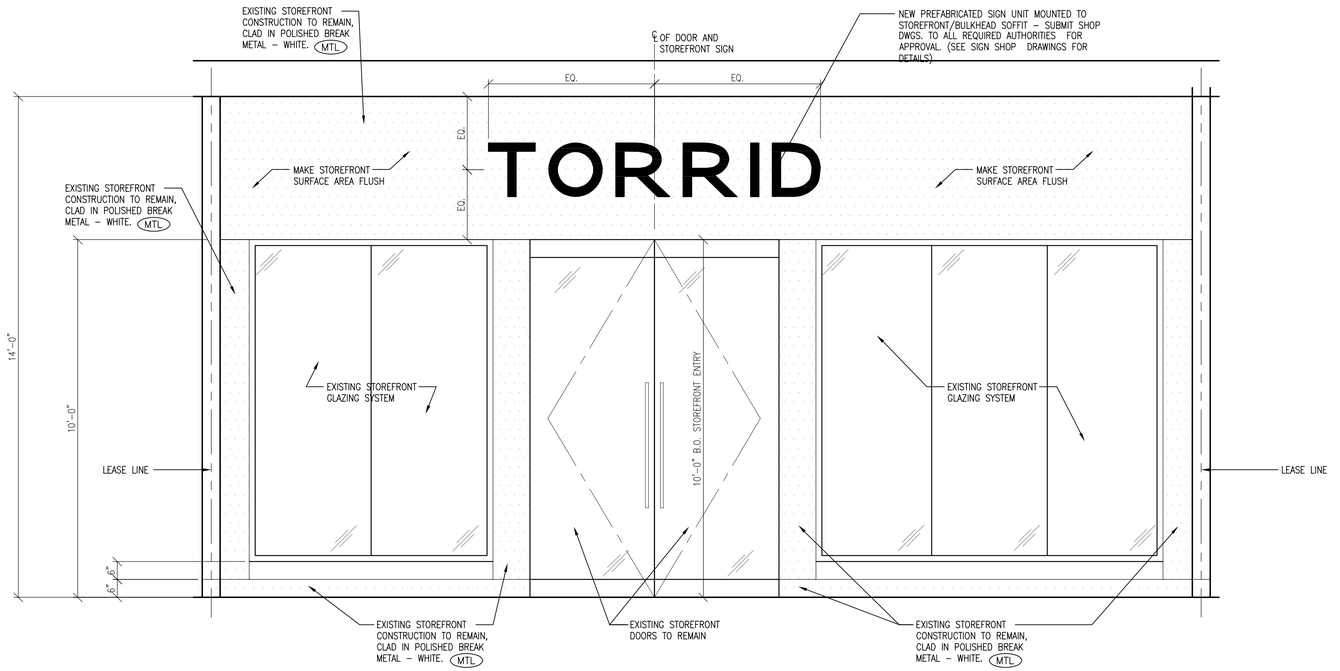
STOCKROOM ELEVATIONS

A4.2



1 STOREFRONT FLOOR PLAN

SCALE: 1/2" = 1'-0"



2 STOREFRONT ELEVATION

SCALE: 1/2" = 1'-0"

REGISTRATION SEAL

ARCVISION
MANAGEMENT CONSULTANTS

TORRID

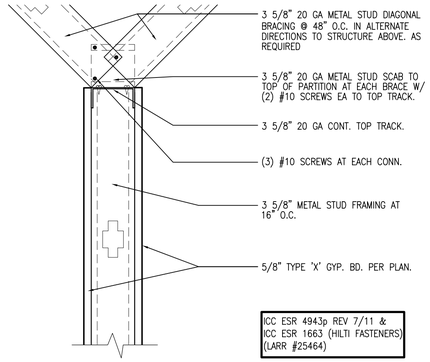
CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

PROJECT NO: 210807
DRAWN BY: CLS
CHECKED BY: ACB
ISSUE DATE: 01/20/22

STOREFRONT + ELEVATION

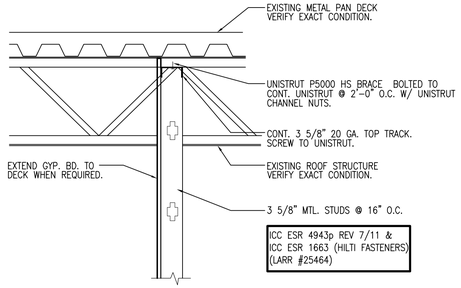
A5.0



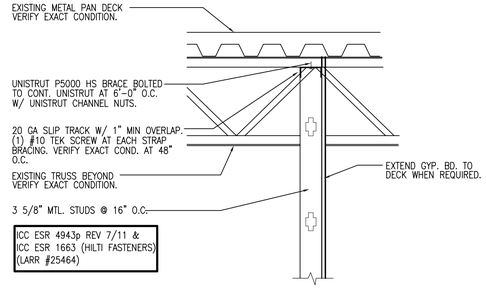
1 TYP. INTERIOR PARTITION AT TOP
SCALE: 1" = 1'-0"

VERIFY THAT THE SHOWN METHOD OF ATTACHMENT IS ACCEPTABLE WITH THE ON-SITE COORDINATOR. IF NOT, CONTACT ARCHITECT FOR ALTERNATE DETAIL.

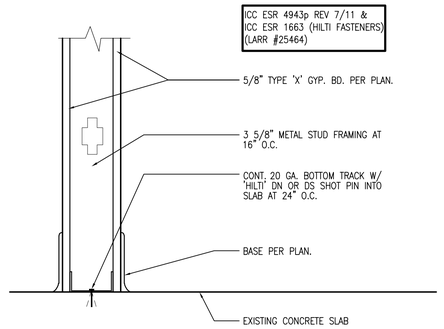
SEE STUD GA. LIMITING HT. SCHEDULE ON SHEET A1.0 FOR ADDITIONAL INFO.



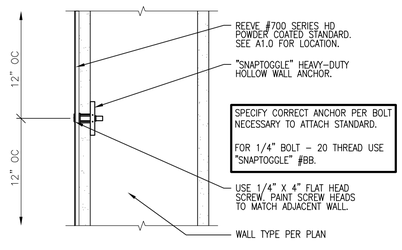
2 SOFFIT CONNECTION
SCALE: 1" = 1'-0"



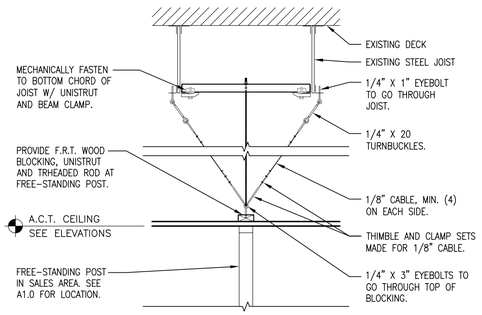
3 TOP OF FULL HEIGHT. INT. PARTITION
SCALE: 1" = 1'-0"



4 BOTTOM OF INTERIOR PARTITION
SCALE: 1 1/2" = 1'-0"



5 TOGGLE BOLT @ SALES STANDARD
SCALE: 3" = 1'-0"

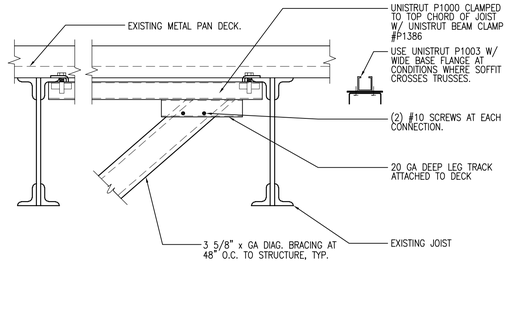


6 BLOCKING AT FREE-STANDING POST
SCALE: 3/4" = 1'-0"

VERIFY THAT THE SHOWN METHOD OF ATTACHMENT IS ACCEPTABLE WITH ON-SITE COORDINATOR. IF NOT, CONTACT ARCHITECT FOR ALTERNATE DETAIL.

ICC ESR 4943p REV 7/11 & ICC ESR 1663 (HILTI FASTENERS) (LARR #25464)

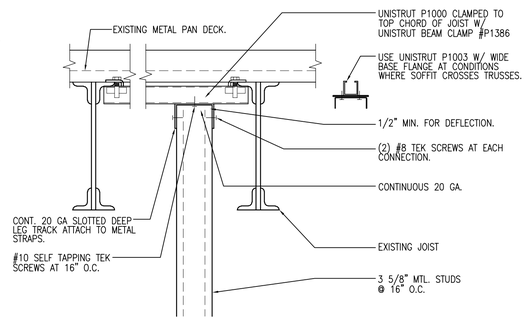
BRACING DETAIL FOR FLOOR SUPPORTED FRAMING ONLY



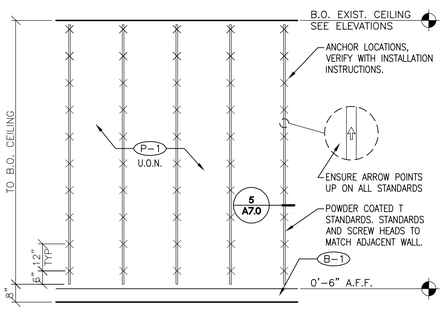
7 TYP. DIAG. BRACING CONN. TO DECK
SCALE: 1" = 1'-0"

VERIFY THAT THE SHOWN METHOD OF ATTACHMENT IS ACCEPTABLE WITH ON-SITE COORDINATOR. IF NOT, CONTACT ARCHITECT FOR ALTERNATE DETAIL.

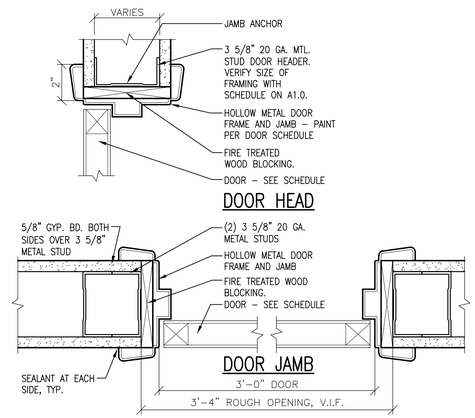
ICC ESR 4943p REV 7/11 & ICC ESR 1663 (HILTI FASTENERS) (LARR #25464)



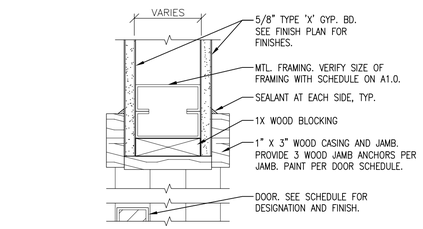
8 TOP OF INT. WALL TO STRUCTURE
SCALE: 1" = 1'-0"



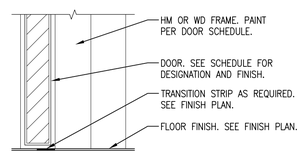
9 ELEVATION AT SALES STANDARDS
SCALE: 3/8" = 1'-0"



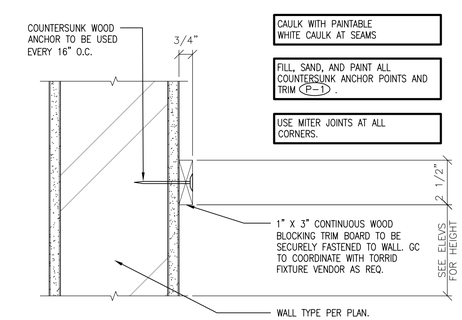
10 TYP. H.M. DOOR JAMB/HEAD DETAIL
SCALE: 3" = 1'-0"



11 TYP. WD. DOOR JAMB/HEAD DETAIL
SCALE: 3" = 1'-0"



12 TYP. DOOR SILL DETAIL
SCALE: 3" = 1'-0"



13 PERIMETER TRIM
SCALE: 3" = 1'-0"

REGISTRATION SEAL

ARCHVISION MANAGEMENT CONSULTANTS

TORRID

CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

PROJECT NO: 210807
DRAWN BY: CLS
CHECKED BY: ACB
ISSUE DATE: 01/13/22

SECTIONS + DETAILS

A7.0

NOTE :

THE OWNER RESERVES THE RIGHT TO CHECK CONSTRUCTION COMPLIANCE WITH PLANS AND SPECIFICATIONS. SHOULD THE OWNER FIND CORRECTIVE WORK TO BE NECESSARY, HE WILL NOTIFY CONTRACTOR OF SUCH WORK IN WRITING AND EXPECT COMPLIANCE PERFORMED WITH DUE DILIGENCE. IF ANY CORRECTIVE WORK IS DEEMED TO BE NECESSARY, THE COST OF RE-INSPECTIONS WILL BE BORNE BY THE CONTRACTOR. IF WORK IS REQUIRED BY OWNER IN ORDER TO IMPROVE, CHANGE OR CORRECT AIR CONDITIONING OPERATIONAL CONDITIONS DUE TO: PART MALFUNCTION, WARRANTY OR OTHER INABILITY TO PROVIDE THE COMFORT CONDITIONS REQUIRED BY THE STORE, CONTRACTOR SHALL BE DIRECTED BY OWNER, TO ADDRESS THIS WORK IN A TIMELY MANNER. IF IT BECOMES EVIDENT THAT THE CONTRACTOR CAN NOT ACCOMPLISH THE TASK, THEN AFTER 72 HOURS OF WRITTEN NOTICE, THE OWNER MAY AT HIS DISCRETION TAKE OVER SUCH WORK AND BACHARGE THE CONTRACTOR FOR ANY CORRECTIVE WORK THAT WAS REQUIRED DUE TO LACK OF PERFORMANCE, WORKMANSHIP AND/OR ADHERENCE TO PLANS AND SPECIFICATIONS.

MECHANICAL CONTRACTOR'S NOTES:

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ARCHITECT, LANDLORD OR TENANT OF ANY DISCREPANCIES ENCOUNTERED ON THE PLANS OR IN EXISTING SITE CONDITIONS PRIOR TO SUBMISSION OF BID.

BIDDERS ARE TO VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF THE WORK. THE BASE BID SHALL REFLECT MODIFICATIONS TO SYSTEMS AND DEVICES AS REQUIRED BY STATE, LOCAL AND FEDERAL CODES WHETHER INDICATED OR NOT ON CONTRACT DOCUMENTS. THE SUBMISSIONS OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION AND COMPLIANCE WITH GOVERNING CODES/REQUIREMENTS HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT, OR MATERIALS REQUIRED, OR FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORSEEN HAD AN EXAMINATION AND CODE/REQUIREMENTS REVIEW BEEN MADE, WILL NOT BE ALLOWED.

INSTALLATION ACCEPTANCE MAY BE SUBJECT TO CONSTRUCTION REVIEW BY AN INDEPENDENT AIR CONDITIONING FIRM.

GC IS TO TEST THE EXISTING HVAC UNIT THE FIRST WEEK OF CONSTRUCTION AND SEND BACK A FULL REPORT TO TORRID PM OF ANY REPAIRS ABOVE AND BEYOND ORIGINAL SCOPE OF WORK.

PLUMBING KEYED NOTES ○

1. EXISTING WATER CLOSET TO REMAIN. CLEAN/REPAIR AND PROVIDE GENERAL MAINTENANCE AS REQUIRED.
2. EXISTING LAVATORY TO REMAIN. CLEAN/REPAIR AND PROVIDE GENERAL MAINTENANCE AS REQUIRED. PROVIDE THERMOSTATIC MIXING VALVE UNDER LAVATORY IF NOT ALREADY EXISTING.
3. EXISTING TANK WATER HEATER TO REMAIN. INSPECT FOR LEAKS. CLEAN/REPAIR AND PROVIDE GENERAL MAINTENANCE AS REQUIRED. ENSURE DRIP PAN AND TPRV'S INDIRECT WASTE IS ROUTED PER CODE. FIELD VERIFY.

HVAC SYMBOLS LEGEND

⊠	SUPPLY AIR DIFFUSER
⊘	RETURN AIR GRILLE
O.A.	OUTDOOR AIR
R.A.	RETURN AIR
S.A.	SUPPLY AIR
TE	TOILET EXHAUST
R.A.G.	RETURN AIR GRILLE
DIFF.	DIFFUSER
M	MOTORIZED DAMPER
S	SMOKE DETECTION DEVICE
T	THERMOSTAT
TS	TEMPERATURE SENSOR
SD	SMOKE DETECTOR
M.D.	MANUAL DAMPER
F.D.	FIRE DAMPER
F.C.	FLEXIBLE CONNECTION
S.E.	SMOKE EXHAUST
◇	AIR DEVICE TYPE
◇	AIR VOLUME IN CUBIC FEET/MINUTE (CFM)
└	DAMPER
⊙	SPRINKLER HEAD
(E)	EXISTING

EXISTING ROOFTOP UNIT SCHEDULE

MFR.	MODEL NO.	UNIT WT.	UNIT SIZE	VOLTS	HZ	PH	MCA	MIN. OUTSIDE AIR CFM	TOTAL CFM	FILTERS NO.	FILTERS SIZE	FILTERS TYPE
LENNOX	LGH09284BH1J	1168 LBS.	7.5 TONS	575	60	3	*	640	3000	4	20x25x2	T/A

COOLING CAPACITY SENSIBLE	COOLING CAPACITY TOTAL	EER	GAS HEAT CAPACITY INPUT	GAS HEAT CAPACITY OUTPUT	TE%	EVAP. COIL SIZE	EVAP. COIL ROWS	EVAPORATOR FAN MOTOR
67.9 MBH	93.0 MBH	12.5	240 MBH	192 MBH	80	12.78 SQ.FT.	4	* BHP

ACCESSORIES:
1. EXISTING TO REMAIN, ENSURE IN GOOD WORKING ORDER.
* FIELD VERIFY EXISTING.

AIR DEVICE SCHEDULE ◇

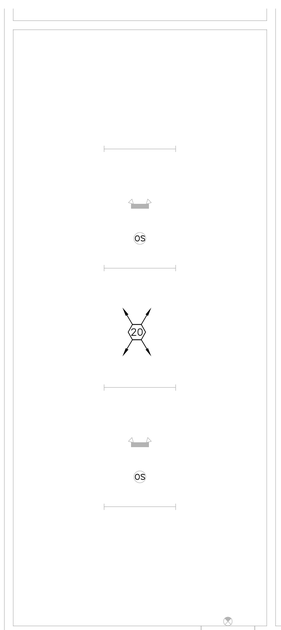
PLAN MARK	QTY.	*TITUS MODEL NO.	FACE SIZE	NECK SIZE	FLEX SIZE	TYPE	NOTES
A	5	TMS	12"x12"	6"ø	6"ø	DIFF.	1,2,5
B	2	350RL	12"x12"	10"x10"	NA	T.A.G.	4

NOTES:
1. PROVIDE TMR FRAME FOR GYPSUM BOARD ALLOWING USE AS ACCESS PANEL
2. PROVIDE & INSTALL MANUAL VOLUME DAMPER
3. DUCT MOUNTED
4. WALL/SURFACE MOUNTED. PAINT TO MATCH WALL.
5. DIFFUSER TO HAVE A 4-WAY THROW

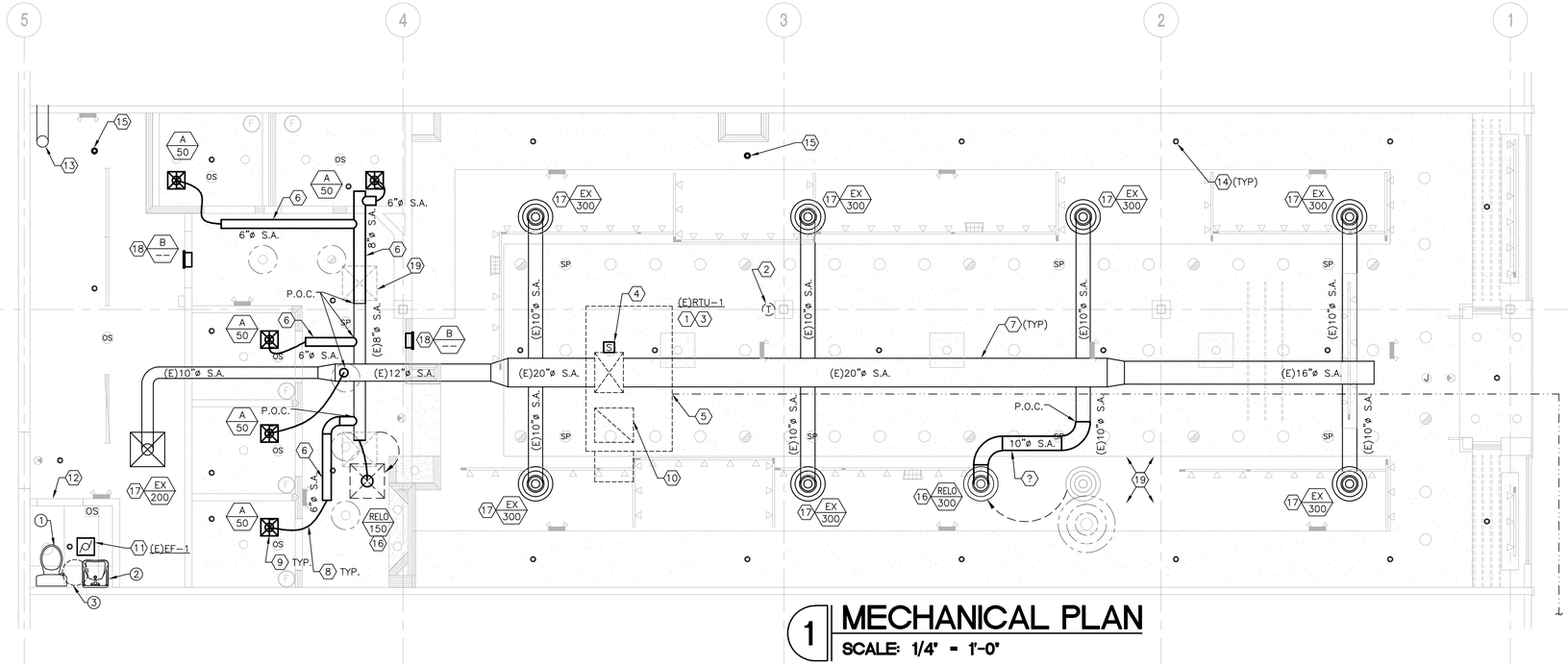
* OR APPROVED EQUAL

HVAC + SPRINKLER KEYED NOTES ◇

1. EXISTING ROOFTOP UNIT TO REMAIN. MECHANICAL CONTRACTOR IS TO CLEAN COILS, LUBRICATE MOTOR, ADJUST/REPLACE BELTS, CHANGE FILTERS, INSPECT COIL FOR LEAKS, REPLACE FILTERS AND RECHARGE REFRIGERANT. FIELD VERIFY EXACT CONDITION AND LOCATION PRIOR TO SUBMITTING BID. REPORT ANY DEFICIENCIES TO TORRID'S ON-SITE REPRESENTATIVE PRIOR TO MAKING REPAIRS. REFER TO SCHEDULE FOR ADDITIONAL INFORMATION. COORDINATE WITH LANDLORD TO VERIFY IF LANDLORD'S CONTRACTOR IS TO DO ANY RTU WORK.
2. EXISTING HEATING/COOLING THERMOSTAT TO BE RELOCATED. COORDINATE WITH ELECTRICAL CONTRACTOR. MOUNTING HEIGHT 4'-0" A.F.F. MODIFY CONTROL WIRING AS REQUIRED. COORDINATE WITH LANDLORD'S BASE BUILDING CONTRACTOR FOR FINAL LOCATION OF THERMOSTAT.
3. EXISTING CONDENSATE DRAIN LINE TO REMAIN. FIELD VERIFY EXACT LOCATION. ENSURE ROUTING PER LANDLORD'S SPECIFICATIONS. ENSURE P-TRAP AND PROPER AIR GAP PER CODE. INSULATE AS REQUIRED.
4. ENSURE SMOKE DETECTION DEVICE LOCATED IN SUPPLY AIR DUCT. DEVICE IS TO BE INTERLOCKED WITH HVAC UNIT SO AS TO SHUT THE UNIT DOWN UPON THE DETECTION OF SMOKE. IN OCCUPANCIES NOT REQUIRED TO BE EQUIPPED WITH A FIRE ALARM SYSTEM, ACTIVATION OF A SMOKE DETECTOR SHALL ACTIVATE A VISIBLE AND AUDIBLE SIGNAL IN AN AUDIBLE/VISUAL/TEST/RESET STATION IN AN APPROVED LOCATION. COORDINATE WITH ELECTRICAL CONTRACTOR. PROVIDE NEW IF REQUIRED. FIELD VERIFY EXISTING CONDITION.
5. EXISTING GAS CONNECTION TO RTU, GAS LINE, AND GAS METER TO REMAIN. ENSURE PROPER UNION, SHUT-OFF, AND DIRTLEG. FIELD VERIFY EXACT LOCATION AND SIZE. COORDINATE WITH LANDLORD FOR ANY NEW RTU WORK.
6. NEW LOW PRESSURE AIR DUCT SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR (TYPICAL). DUCT DIMENSIONS ARE CLEAR INTERNAL AIR PATH DIMENSIONS. PROVIDE TRANSITIONS AS REQUIRED. HOLD ALL DUCTWORK AS HIGH AS POSSIBLE AND/OR PRACTICAL. CONNECT TO EXISTING SUPPLY AIR DUCT AS REQUIRED. REFER TO MECHANICAL SPECS ON SHEET M3.0 ADDITIONAL INFORMATION.
7. EXISTING SUPPLY AIR DUCTWORK TO REMAIN. FIELD VERIFY EXACT LOCATIONS. DUCT DIMENSIONS ARE CLEAR INTERNAL AIR PATH DIMENSIONS. PATCH/REPAIR/SEAL AIR TIGHT/REPLACE, AND PROVIDE NEW INSULATION AS REQUIRED. REFER TO MECHANICAL SPECS ON SHEET M3.0 FOR ADDITIONAL INFORMATION.
8. FLEXIBLE DUCT, MAXIMUM LENGTH 5'-0", FOR FINAL CONNECTION TO DIFFUSER ONLY (TYPICAL). PROVIDE SMOOTH TRANSITIONS AND PROPER SUPPORT PER SMACNA. TYPICAL.
9. PROVIDE MANUAL VOLUME DAMPER AT ALL BRANCH DUCT TAKE-OFF OR DIFFUSER CONNECTIONS (TYPICAL).
10. ENSURE OPEN ENDED RETURN AIR DUCT AS HIGH AS POSSIBLE. ENSURE AND CLEAN SCREEN OVER OPENING.
11. EXISTING TOILET EXHAUST FAN AND DUCT SYSTEM TO REMAIN. CONTRACTOR SHALL INSPECT AND PERFORM GENERAL MAINTENANCE AND CLEAN AS REQUIRED. FIELD VERIFY EXACT LOCATION AND CONDITION.
12. ENSURE UNDERCUT TOILET ROOM DOOR 3/4" (MIN.) TO FACILITATE AIR FLOW. COORDINATE WITH GENERAL CONTRACTOR.
13. EXISTING ROOF DRAIN. AVOID WITH NEW CONSTRUCTION. FIELD VERIFY LOCATION, SIZE, AND ROUTING.
14. EXISTING SPRINKLER HEAD TO REMAIN. FIELD VERIFY EXACT LOCATION. (TYPICAL)
15. PROVIDE NEW SPRINKLER HEAD. COORDINATE WITH NEW LIGHTS, CEILING, AND DUCTWORK AS REQUIRED. MODIFY SUPPLY PIPING AS REQUIRED. REFER TO MECHANICAL SPECIFICATIONS FOR SPRINKLER HEAD TYPE.
16. EXISTING SUPPLY AIR DIFFUSER TO BE RELOCATED TO ACCOMMODATE NEW CEILING AND LIGHTS. (TYP. OF 2). MODIFY EXISTING DUCTWORK AS REQUIRED. BALANCE TO CFM SHOWN.
17. EXISTING SUPPLY AIR DIFFUSER TO REMAIN. FIELD VERIFY EXACT LOCATION AND CONDITION. CLEAN, REPAIR/REPLACE, AND PAINT TO MATCH ADJACENT CEILING AS REQUIRED. (TYP. OF 8). BALANCE TO CFM SHOWN.
18. NEW TRANSFER AIR OPENING AND GRILLE SUPPLIED AND INSTALLED AS HIGH AS POSSIBLE/ PRACTICAL IN WALL BY MECHANICAL CONTRACTOR. PAINT GRILLE TO MATCH WALL COLOR. REFER TO AIR DEVICE SCHEDULE FOR SIZE. FIELD VERIFY IF THERE IS AN EXISTING TRANSFER GRILLE PRIOR TO PURCHASING NEW.
19. EXISTING HVAC EQUIPMENT, DUCTWORK, HANGERS, ASSOCIATED CONTROLS, ETC. NOT SCHEDULED TO BE RELOCATED OR RE-USED SHALL BE DISCONNECTED AND REMOVED FROM JOB SITE. DO NOT JUST ABANDON. FIELD VERIFY EXACT CONDITIONS AND LOCATIONS PRIOR TO SUBMITTING A BID.
20. REMOTE STORAGE, LANDLORD PROVIDED HEATING/COOLING. FIELD VERIFY EXISTING CONDITIONS. COORDINATE WITH TORRID'S ARCHITECT/ENGINEER WITH ANY DISCREPANCIES IN THE FIELD.



2 STOCKROOM MECH. PL
SCALE: 1/4" = 1'-0"



1 MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

REGISTRATION SEAL

ARCHVISION MANAGEMENT CONSULTANTS

TORRID

CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

PROJECT NO: 210807
DRAWN BY: SL
CHECKED BY: SL
ISSUE DATE: 01/20/22

MECHANICAL PLAN

M1.0

OUTSIDE AIR SCHEDULE

DESCRIPTION	AREA (SQ. FT.)	AREA OUTDOOR AIR RATE PER TABLE 6.2.2.1 (RA)	AREA OUTDOOR AIR (RaAz)	OCCUPANT LOAD RATE PER TABLE 6.2.2.1 (PEOPLE/1000 SQ.FT.)	OCCUPANCY C x E/1000 (Pz)	OCCUPANT OUTDOOR AIR RATE PER TABLE 6.2.2.1 (Rp)	OCCUPANT OUTDOOR AIR (RpPz)	BREATHING ZONE OUTDOOR AIR (Vbz = RpPz + RaAz)	ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	ZONE OUTDOOR AIR (Voz = Vbz/Ez)	ZONE OUTDOOR AIR PROVIDED	SUPPLY AIR DESIGN (Vpz)	OUTDOOR AIR FRACTION (Zp =1- Voz/Vpz +Voz/Vpz) SINGLE ZONE SYSTEM
SALES	1831	0.12	219.7	15	28.0	7.5	210.0	429.7	0.8	537.2	540.0	2400	
FIT RM	166	0.12	19.9	15	3.0	7.5	22.5	42.4	0.8	53.0	55.0	250	
STOCK	181	0.12	21.7					21.7	0.8	27.2	30.0	200	
FIT HALL	176	0.06	10.6					10.6	0.8	13.2	15.0	150	
TOTALS	2354									630.5	640.0		
													Ev
TOTAL REQUIRED OUTDOOR AIR			631		TOTAL OUTDOOR AIR PROVIDED BY HVAC UNITS				640				1
CALCULATIONS BASED ON ASHRAE 62.1													

REUSE OF EXISTING EQUIPMENT

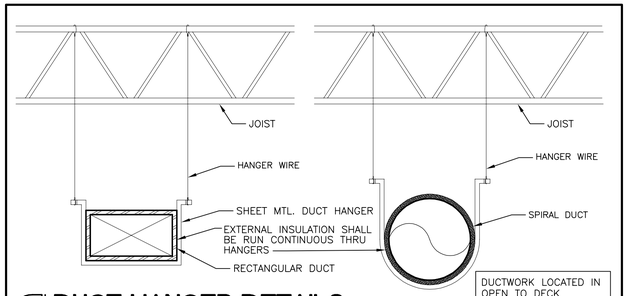
1. EXISTING AIR CONDITIONING EQUIPMENT SHALL BE REUSED AS INDICATED ON THE DRAWINGS. POINTS OF SERVICE SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
2. REMOVE EXISTING AIR FILTERS AND REPLACE WITH NEW PLEATED AIR FILTERS. THOROUGHLY CLEAN ALL INTAKE LOUVERS OR SCREENS AND BOTH SIDES OF EVAPORATOR AND CONDENSING COILS.
3. CHECK ALL BELTS FOR WEAR, ALIGNMENT AND PROPER TENSION (ADJUST AND REPLACE AS NEEDED)
4. TIGHTEN MOTOR MOUNTS AS REQUIRED.
5. INSPECT AND LUBRICATE MOTORS, BEARINGS, AND SHAFTS AS PER MANUFACTURERS REQUIREMENTS.
6. INSPECT REFRIGERANT SYSTEM FOR LEAKS AND PROPER CHARGE, REPAIR LINES AND ADD REFRIGERANT IF NECESSARY. INSPECT FILTER/DRYER AND REPAIR/REPLACE AS REQUIRED.
7. THOROUGHLY CLEAN INTERIOR OF UNIT, INCLUDING COILS, CONDENSATE DRAIN PAN(VERIFY DRAINS PROPERLY), BLOWER WHEEL, AND DAMPER BLADES.
8. CONTRACTOR MAY CLEAN AND REUSE EXISTING DUCTWORK, SUPPLY AIR DIFFUSERS, RETURN AIR GRILLES AND THERMOSTAT IF THEY ARE IN GOOD CONDITION AND MATCH THE SIZE AND SPECIFICATIONS OF WHAT IS CALLED OUT ON THESE CONSTRUCTION DOCUMENTS.
9. CONTRACTOR SHALL PROVIDE NEW DUCTWORK, SUPPLY DIFFUSERS AND RETURN GRILLS AS NECESSARY TO SATISFY THE INTENT OF THESE DRAWINGS.
10. ENTIRE HVAC SYSTEM SHALL CONFORM TO THE EXISTING BUILDING CONSTRUCTION AND ALL APPLICABLE STATE AND LOCAL CODES AND ALL LANDLORD CRITERIA.
11. THE MECHANICAL CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS AND SERVICES AT THE JOB SITE.
12. ALL WORK SHALL BE SCHEDULED SO AS NOT TO INTERRUPT THE NORMAL OPERATION OF OTHER CONTRACTORS.
13. VERIFY AND RESET O/A THRU RTU TO SPACE AS SCHEDULED.
14. REUSE EXISTING THERMOSTATS. ENSURE PROPER WORKING CONDITIONS. RELOCATE AS SHOWN.
15. ALL WORK, EQUIPMENT AND ACCESSORIES TO BRING EXISTING SYSTEM TO GOOD WORKING CONDITION SHALL BE COVERED UNDER CONTRACTOR'S ORIGINAL BID AND AT NOT ADDITIONAL EXPENSE. CONTRACTOR SHALL VERIFY ALL ON SITE CONDITIONS PRIOR TO BID

HVAC CALCULATIONS

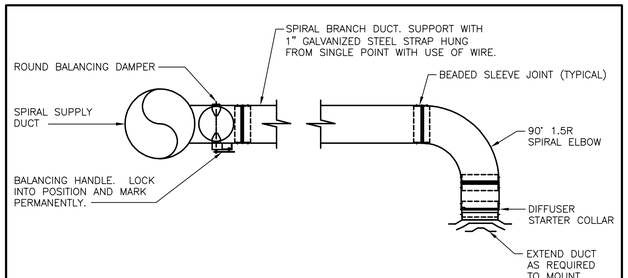
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Aug 1400			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 82.4 °F / 67.8 °F			HEATING OA DB / WB -10.0 °F / -11.0 °F		
ZONE LOADS	**Details**	**Sensible (BTU/hr)**	**Latent (BTU/hr)**	**Details**	**Sensible (BTU/hr)**	**Latent (BTU/hr)**
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	2386 ft²	12436	-	2386 ft²	23012	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	2386 ft²	0	-	2386 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	3904 W	10527	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	2744 W	8487	-	0	0	-
People	44	9497	19847	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 10%	4095	1985	10%	2301	0
>> Total Zone Loads	**-**	**45041**	**21832**	**-**	**25313**	**0**
Zone Conditioning	-	50383	21832	-	25801	0
Plenum Wall Load	0%	0	-	0	0	-
Plenum Roof Load	0%	0	-	0	0	-
Plenum Lighting Load	0%	0	-	0	0	-
Return Fan Load	3000 CFM	0	-	3000 CFM	0	-
Ventilation Load	640 CFM	4251	-1605	640 CFM	54740	0
Supply Fan Load	3000 CFM	3336	-	3000 CFM	-3336	-
Space Fan Coil Fans	-	0	-	-	0	-
Duct Heat Gain / Loss	0%	0	-	0%	0	-
>> Total System Loads	**-**	**57970**	**20227**	**-**	**77205**	**0**
Central Cooling Coil	-	57970	20229	-	0	0
Central Heating Coil	-	0	-	-	77205	-
>> Total Conditioning	**-**	**57970**	**20229**	**-**	**77205**	**0**
Key:	**Positive values are clg loads Negative values are htg loads**			**Positive values are htg loads Negative values are clg loads**		

WEATHER DATA

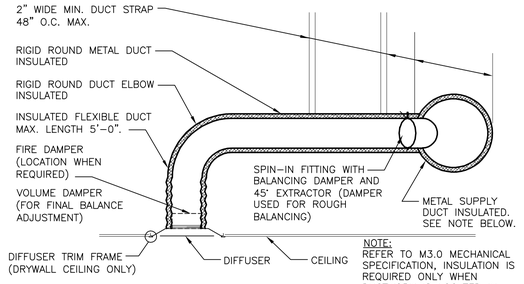
City Name	**Dieppe**	
Location	**New Brunswick**	
Latitude	**46.1**	Deg.
Longitude	**64.7**	Deg.
Elevation	**233.0**	ft
Summer Design Dry-Bulb	**83.0**	°F
Summer Coincident Wet-Bulb	**68.0**	°F
Summer Daily Range	**19.4**	°F
Winter Design Dry-Bulb	**-10.0**	°F
Winter Design Wet-Bulb	**-11.0**	°F
Atmospheric Clearness Number	**1.05**	
Average Ground Reflectance	**0.20**	
Soil Conductivity	**0.800**	BTU/(hr·ft·°F)
Local Time Zone (GMT +/- N hours)	**4.0**	hours
Consider Daylight Savings Time	**No**	
Simulation Weather Data	**N/A**	
Current Data is	**User Modified**	
Design Cooling Months	**January to December**	



1 DUCT HANGER DETAILS
SCALE: NONE



2 BRANCH DUCT CONNECTIONS
SCALE: NONE



3 HVAC DUCTWORK DETAIL
SCALE: NONE

REGISTRATION SEAL

ARCVISION MANAGEMENT CONSULTANTS

TORRID

CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

PROJECT NO: 210807
DRAWN BY: SL
CHECKED BY: SL
ISSUE DATE: 01/20/22

MECHANICAL DETAILS AND CALCS

M2.0

HEATING, VENTILATING AND AIR CONDITIONING GENERAL

A. THE WORK COVERED BY THIS SECTION OF THESE SPECIFICATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE RESPECTIVE DRAWINGS, INFORMATION OR INSTRUCTIONS TO BIDDERS, GENERAL CONDITIONS, ADDENDA, OR DIRECTIVES WHICH MAY BE ISSUED BY THE OWNER, SHALL BE COMPLIED WITH IN EVERY ASPECT.

B. THE LISTING HEREIN OF AN ARTICLE OR MATERIAL, OPERATION OR METHOD, REQUIRES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL EACH ITEM LISTED, UNLESS SPECIFICALLY NOTED TO THE CONTRARY. THE CONTRACTOR SHALL PERFORM EACH OPERATION PRESCRIBED OR LISTED ACCORDING TO THE CONDITIONS STATED.

C. REFERENCE IS MADE TO REQUISITES FOR BIDDERS AND CONTRACTORS UNDER OTHER SECTIONS OF THESE SPECIFICATIONS, WHICH SHALL BE CONSIDERED BINDING, UNLESS OTHERWISE NOTED UNDER THIS SECTION.

SCOPE

A. EACH CONTRACTOR SHALL THOROUGHLY ACQUAINT HIMSELF WITH THE CONSTRUCTION DETAILS, BOTH ON TENANT CONSTRUCTION DRAWINGS AND LANDLORD'S AS REFERRED TO, BEFORE SUBMITTING HIS BID AS NO ALLOWANCES WILL BE MADE BECAUSE OF CONTRACTOR'S UNFAMILIARITY WITH THESE DETAILS.

B. ALL PERFORMANCE OF CONSTRUCTION SHALL BE AS REQUIRED BY THE PACE OF THE GENERAL CONSTRUCTION.FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY FOR A COMPLETE AND FULLY OPERATIONAL HEATING, VENTILATING, AND AIR CONDITIONING SYSTEM EXCEPT AS SPECIFICALLY EXCLUDED BY DRAWINGS AND/OR BY TENANT'S DIRECTIONS.

INSPECTION OF SITE

A. ALL PROPOSALS SHALL PRECLUDE THAT CONTRACTOR IS FAMILIAR WITH JOBSITE CONDITIONS AND UTILITY LOCATIONS AND THE LACK OF SPECIFIC INFORMATION ON THE DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY.

B. ALL CONTRACTORS SUBMITTING PROPOSALS FOR THIS WORK SHALL FIRST EXAMINE THE SITE AND ALL EXISTING CONDITIONS AFFECTING HIS WORK. ALL PROPOSALS SHALL SPECIFY, IN WRITING, ALL SUCH CONDITIONS THAT MAY ALTER OR AFFECT THE WORK UNDER THIS CONTRACT.

PERMITS

ALL PERMITS AND LICENSES NECESSARY FOR THE PROPER EXECUTION OF THE WORK SHALL BE SECURED AND PAID FOR BY THE SUBCONTRACTOR INVOLVED.

CODE REQUIREMENTS

EACH SUBCONTRACTOR SHALL COMPLY WITH ALL LAWS, ORDINANCES, RULES AND REGULATIONS BEARING ON THE CONDUCT OF THE WORK AS DRAWN AND SPECIFIED. IF A SUBCONTRACTOR OBSERVES THAT THE DRAWINGS AND SPECIFICATIONS ARE AT A VARIANCE, HE SHALL PROMPTLY NOTIFY THE GENERAL CONTRACTOR AND THE TENANT IN WRITING. IF ANY SUBCONTRACTOR PERFORMS ANY WORK KNOWING IT TO BE CONTRARY TO LAWS, ORDINANCES, RULES AND REGULATIONS AND WITHOUT GIVING SUCH NOTICE, THE SUBCONTRACTOR SHALL BEAR ALL COSTS ARISING THEREFROM.

MATERIALS AND WORKMANSHIP

A. ALL MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT SHALL BE APPLIED AS RECOMMENDED BY THE MANUFACTURERS, AND UNLESS OTHERWISE SPECIFIED SHALL BE NEW, AND FREE FROM ANY AND ALL DEFECTS. LIKE MATERIALS USED SHALL BE OF THE SAME MANUFACTURE AND QUALITY UNLESS OTHERWISE SPECIFIED.

B. ALL WORK UNDER THIS CONTRACT SHALL BE PERFORMED BY COMPETENT WORKMEN AND EXECUTED IN A NEAT AND WORKMANLIKE MANNER. WORK SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION AND COMPLETION, INSTALLATION SHALL BE THOROUGHLY CLEANED OF ALL DEBRIS PRESENT AS A RESULT OF THIS CONTRACT AND SHALL BE REMOVED FROM THE PREMISES, DO NOT ABANDON.

C. MANUFACTURERS ARE LISTED ON PLANS TO ESTABLISH A STANDARD. THE PRODUCTS OF OTHER MANUFACTURERS WILL BE ACCEPTABLE, IF IN THE OPINION OF THE TENANT, THE SUBSTITUTE MATERIAL IS OF QUALITY EQUAL TO OR BETTER THAN THE MATERIAL SPECIFIED, AND WILL SERVE WITH EQUAL EFFICIENCY AND DEPENDABILITY, FOR THE PURPOSE OF WHICH THE ITEMS SPECIFIED WERE INTENDED. ALL SUBSTITUTION REQUESTS SHALL BE SUBMITTED TO THE TENANT'S REPRESENTATIVE FOR APPROVAL PRIOR TO ORDERING.

PROTECTION OF WORK AND PROPERTY

A. EACH SUBCONTRACTOR SHALL CONTINUOUSLY MAINTAIN ADEQUATE PROTECTION OF ALL HIS WORK FROM DAMAGE AND SHALL PROTECT THE OWNER'S PROPERTY FROM INJURY OR LOSS ARISING FROM HIS WORK. ANY SUCH DAMAGE, INJURY, OR LOSS, EXCEPT SUCH AS MAY BE DIRECTLY DUE TO CAUSES BEYOND HIS CONTROL AND NOT TO HIS FAULT OR NEGLIGENCE, SHALL BE THE RESPONSIBILITY OF THE SUBCONTRACTOR. HE SHALL ADEQUATELY PROTECT ADJACENT PROPERTY AS WELL.

B. EACH SUBCONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF THEIR EMPLOYEES ON THE WORK AND SHALL COMPLY WITH ALL PROVISIONS OF FEDERAL, STATE AND LOCAL BUILDING CODES AND SAFETY LAWS TO PREVENT ACCIDENTS OR INJURY TO PERSONS ON OR ADJACENT TO THE PREMISES WHERE THE WORK IS BEING PERFORMED. EACH SUBCONTRACTOR SHALL MAINTAIN ALL INSURANCE REQUIRED TO PROTECT HIMSELF, THE OWNER AND TENANT FOR THE DURATION OF THE WORK AGAINST PROPERTY DAMAGE AND PUBLIC LIABILITY.

CHANGES IN THE WORK

THE TENANT, WITHOUT INVALIDATING THE CONTRACT, MAY ORDER EXTRA WORK OR MAKE CHANGES BY ALTERING, ADDING TO, OR DEDUCTING FROM THE WORK, WITH CONTRACT SUM BEING ADJUSTED ACCORDINGLY.

COOPERATION

ALL WORK UNDER THESE SPECIFICATIONS SHALL BE ACCOMPLISHED IN CONJUNCTION WITH OTHER CONTRACTORS AND TRADES OF THIS PROJECT IN A MANNER WHICH WILL ALLOW EACH CONTRACTOR AND TRADE SUFFICIENT TIME AT THE PROPER STAGE OF CONSTRUCTION TO FULFILL HIS CONTRACTS. CONTRACTORS SHALL CONTACT OWNER FOR INSTRUCTIONS SHOULD ANY QUESTIONS ARISE BETWEEN TRADES AS TO THE INSTALLATION OF LINES, DUCTS, CONDUITS, FIXTURES, OR EQUIPMENT, OR SHOULD IT APPEAR DESIRABLE TO ANY GENERAL CONSTRUCTION WHICH WOULD AFFECT THE APPEARANCE OR STRENGTH OF THE STRUCTURE.

DRAWINGS AND SPECIFICATIONS

A. THE DRAWINGS DIAGRAMMATICALLY INDICATE THE LOCATIONS OF THE VARIOUS LINES, DUCTS, CONDUITS, FIXTURES, AND EQUIPMENT AND THE METHOD OF CONNECTING AND CONTROLLING THEM. IT IS NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL AND ALL FITTINGS REQUIRED FOR A COMPLETE SYSTEM.

B. SHOULD ANY CHANGES BE DEEMED NECESSARY BY THE CONTRACTOR, TO ANY ITEMS SHOWN ON CONTRACT DRAWINGS, SHOP DRAWINGS, DESCRIPTIONS, AND THE REASON FOR THE PROPOSED CHANGES SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL.

DRAWINGS AND SPECIFICATIONS (CONTINUED)

C. SHOP DRAWINGS AND CATALOG DATA ON ALL MAJOR ITEMS OF EQUIPMENT AND SYSTEMS, AND OTHER SUCH ILLUSTRATIVE MATERIAL THAT MAY BE CONSIDERED NECESSARY BY THE TENANT, SHALL BE SUBMITTED BY THIS CONTRACTOR IN ADEQUATE TIME TO PREVENT DELAY AND/OR CONSTRUCTION MODIFICATIONS.

RESPONSIBILITY

A. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE SATISFACTORY AND COMPLETE EXECUTION OF ALL WORK INCLUDED IN HIS CONTRACT. HE SHALL PRODUCE COMPLETE AND FULLY OPERATIONAL SYSTEMS AND PROVIDE ALL INCIDENTAL ITEMS REQUIRED AS PART OF HIS WORK, REGARDLESS OF WHETHER SUCH ITEM IS PARTICULARLY SPECIFIED OR INDICATED. FOR EXAMPLE, ON SINK INSTALLATIONS, ESCUTCHEONS SHALL BE PROVIDED FOR COUNTERTOP PENETRATIONS, ALTHOUGH THEY WERE NOT SPECIFICALLY IDENTIFIED IN THE CONTRACT DOCUMENTS.

B. CONTRACTOR SHALL SUPPLY TO LANDLORD AND TENANT A CERTIFIED AIR BALANCE REPORT AT COMPLETION OF PROJECT. THIS SHALL BE REQUIRED FOR BOTH REMODELED AND NEW STORES.

DUCTWORK

A. JOINTS SHALL BE SWAGGED WITH ONE–HALF INCH (1/2") OVERLAP.

B. ALL NEW CONCEALED SUPPLY AIR DUCTS, CONCEALED RETURN AIR DUCTS AND ALL OUTSIDE AIR DUCTS SHALL BE INSULATED WITH 2.5" (R=6.0) THICK (MINIMUM) EXTERNAL ACOUSTICAL AND THERMAL INSULATION WHEN LOCATED IN UNCONDITIONED SPACE.

C. FLEXIBLE AIR DUCT FOR CONNECTIONS BETWEEN MAIN DUCTS AND AIR DEVICES SHALL BE AIR DUCT LISTED BY UNDERWRITERS LABORATORIES UNDER UL STANDARD 181 AS A CLASS 1 FLEXIBLE AIR DUCT AND COMPLY WITH NFPA STANDARDS 90A AND 90B. FLEXDUCT SHALL BE FACTORY MADE AND COMPOSED OF A CPE LINER DUCT PERMANENTLY BOUNDED TO A COATED SPRING STEEL WIRE HELIX SUPPORTING A FIBER GLASS INSULATING BLANKET R.–6.0. A LOW PERMEABILITY OUTER VAPOR BARRIER OF FIBER GLASS REINFORCED FILM LAMINATE SHALL COMPLETE THE COMPOSITION.

D. ALL DUCTWORK SHALL BE DESIGNED IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN THE LATEST EDITION OF THE AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS GUIDE (ASHRAE), FABRICATED AND INSTALLED IN ACCORDANCE WITH THE METHODS RECOMMENDED IN THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA) HVAC DUCT CONSTRUCTION STANDARDS – METAL AND FLEXIBLE.

HANGERS AND SUPPORTS

A. HANGER DESIGN SHALL BE AS DESCRIBED IN THE LATEST EDITION OF THE "SMACNA" MANUAL. REINFORCEMENT MEMBERS MAY BE USED TO SUPPORT DUCT SYSTEM PROVIDED DETAILS OUTLINED IN THE "SMACNA" MANUAL ARE ADHERED TO.

B. DUCTS SHALL BE SUPPORTED AT ALL TURNS AND TRANSITIONS AND NOT MORE THAN 8'–0" O.C. STRAIGHT DUCTS UP TO 59" MAX. DIMENSIONS SHALL BE SUPPORTED 6'–0" O.C.

C. ALL HORIZONTAL DUCTS HAVING A DIMENSION OF 40 INCHES AND LESS SHALL BE SUPPORTED BY MEANS OF BAND IRON HANGERS OF NO. 18 U.S. GAUGE ATTACHED TO DUCT BY MEANS OF RIVETS, SCREWS OR CLAMPS, AND FASTENED TO STRUCTURE ABOVE BY TOGGLE BOLTS OR OTHER MEANS. EACH SECTION OF DUCTWORK SHALL HAVE AT LEAST ONE PAIR OF SUPPORTS.

D. ALL DUCTS SHALL BE REINFORCED ACCORDING TO THE LATEST EDITION OF "SMACNA" MANUAL. MATERIALS FOR REINFORCEMENT MEMBERS SHALL BE GALVANIZED STEEL. ALL SCREWS AND WASHERS SHALL BE PLATED OR GALVANIZED.

DAMPERS

A. VOLUME DAMPERS SHALL BE OF THE OPPOSED INTERLOCKING TYPE AS MANUFACTURED BY AMERICAN FOUNDRY AND FURNACES CO. (AFFCO) OR EQUAL. BLADES SHALL BE OF NO. 16 GAUGE SHEET METAL AND SHALL NOT EXCEED 48" IN LENGTH OR 12" IN WIDTH. BLADES SHALL BE ON ONE–HALF INCH (1/2") DIAMETER RUSTPROOF AXLE. BEARINGS TO BE OF THE SELF–LUBRICATING FERRULE TYPE.

TESTING AND ADJUSTING

CONTRACTOR SHALL EMPLOY AN INDEPENDENT, CERTIFIED TEST AND BALANCE CONTRACTOR TO DEMONSTRATE OPERATION OF SYSTEM TO FULL SATISFACTION OF TENANT, SHALL BALANCE AIR FLOW AND TEMPERATURES IN ACCORDANCE WITH AIR QUANTITIES ON DRAWINGS AND SHALL RECORD VOLUME READINGS IN ACCORDANCE WITH ASHRAE AND PROVIDE SAME TO TENANT AND LANDLORD'S REPRESENTATIVE.

OPERATION AND MAINTENANCE DOCUMENTATION MUST BE PROVIDED TO THE OWNER THAT INCLUDES AT LEAST THE FOLLOWING INFORMATION:

A. EQUIPMENT CAPACITY (INPUT AND OUTPUT) AND REQUIRED MAINTENANCE ACTIONS.

B. HVAC SYSTEM CONTROL MAINTENANCE AND CALIBRATION INFORMATION, INCLUDING WIRING DIAGRAMS, SCHEMATICS, AND CONTROL SEQUENCE DESCRIPTIONS; DESIRED OR FIELD–DETERMINED SET POINTS MUST BE PERMANENTLY RECORDED ON CONTROL DRAWINGS, AT CONTROL DEVICES, OR, FOR DIGITAL CONTROL SYSTEMS, IN PROGRAMMING COMMENTS.

C. COMPLETE NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE.

D. EWB/EDB AND LWB/LDB FOR THE COOLING/HEATING COIL.

GUARANTEE

ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER DATE OF ACCEPTANCE. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL AND ACCEPTANCE BY TENANT SHALL BE A CONDITION OF THIS CONTRACT. ALL WORK FOUND TO BE DEFECTIVE SHALL BE REPAIRED OR REPLACED BY THIS SUBCONTRACTOR WITHOUT ADDITIONAL COST TO THE TENANT.

EQUIPMENT

A. EXHAUST FANS
TOILET EXHAUST – REFER TO M1.0 SHEET FOR ADDITIONAL INFORMATION.

B. THERMOSTATS – EXISTING TO REMAIN

T–STAT SHALL HAVE 2 HEAT/2 COOL CYCLE, AUTO CHANGE OVER, AND HEAT PUMP COMPATIBLE. DESIGN AND STANDARD CONDITIONS FOR THERMOSTAT
OPERATION SHALL BE AS FOLLOWS:

COOLING:
75°F MAXIMUM OCCUPIED COOLING TEMPERATURE
85°F COOLING NIGHT SETBACK.

B. THERMOSTATS (CONTINUED)

HEATING:
70°F MAXIMUM OCCUPIED HEATING TEMPERATURE
60°F HEATING NIGHT SETBACK.

FAN: CONTINUOUS IN OCCUPIED AND RECOVERY MODE AND WITH HEATING OR COOLING EQUIPMENT IN UNOCCUPIED MODE.

DEADBAND: CAPABLE OF MAINTAINING A 2°F DEADBAND.

BACKUP: CAPABLE OF MAINTAINING PROGRAMMED SETTING FOR AT LEAST 24 HOURS WITHOUT POWER.

T–STAT SHALL BE (RELOCATED) PER MANUFACTURERS RECOMMENDATIONS AND MOUNTED SO THAT THE HIGHEST OPERABLE CONTROL IS NOT MORE THAN 48" A.F.F.

COORIDNATE WITH LANDLORD DESIGNATED CONTROLS CONTRACTOR

C. EXISTING DX/GAS (ELECTRIC) ROOFTOP UNIT TO REMAIN. REFER TO MECHANICAL PLAN FOR ADDITIONAL INFORMATION.

D. FILTERS – FILTERS SHALL BE OF THE THROW AWAY TYPE WHEREVER POSSIBLE. IF FILTERS ARE BY NECESSITY THE PERMANENT TYPE, THEY MUST BE OF THE CLEANABLE, HIGH VELOCITY TYPE AND SHALL BE AMERICAN AIR FILTERS, AIR MAYS, EVANS, OR APPROVED EQUAL. FILTERS SHALL BE OF THE OPTIMUM THICKNESS (2") AND DESIGN FACE VELOCITY SHALL NOT EXCEED 550 FPM. INSTALLATION OF THE AIR CONDITIONING UNIT SHALL NOT IMPEDE OR CONFLICT WITH ACCESS TO FILTERS. IF THE FILTERS ARE IN FRAME HOLDERS, HOLDERS SHALL BE PROVIDED WITH A LIFT HANDLE.

E. THE HVAC SUBCONTRACTOR SHALL IDENTIFY ALL ROOF MOUNTED HVAC EQUIPMENT AND RELATED ACCESSORIES WITH 2" HIGH PAINTED STENCILED LETTERS OF THE STORE NAME ON ALL SIDES OF EQUIPMENT (OR APPROVED LANDLORD REQUIRED IDENTIFICATION)

GAS PIPING: EXISTING TO REMAIN

SPRINKLER SYSTEM –

A. SPRINKLER HEAD TYPES SHALL BE AS FOLLOWS:

1. STOREFRONT/SALES WITH GYP:
EXISTING TO REMAIN. FULLY CONCEALED, WHITE CAP
2. SALES OPEN TO DECK:
EXISTING TO REMAIN. UP–RIGHT PENDANT
3. FITTING ROOM:
FULLY CONCEALED, WITH WHITE CAP
4. STOCK ROOM OPEN TO DECK:
EXISTING TO REMAIN, UP–RIGHT PENDANT
5. TOILET ROOM:
EXISTING TO REMAIN. FULLY CONCEALED, WITH WHITE CAP
6. FITTING ROOM HALLWAY:
EXISTING TO REMAIN. FULLY CONCEALED, WHITE CAP

ANY NEW HEADS ADDED SHALL MATCH EXISTING HEAD TYPE

NOTE FOR GENERAL CONTRACTOR:
IT IS THE RESPONSIBILITY OF THE TENANT'S GENERAL CONTRACTOR TO MAKE USE OF APPLICABLE NOTES AND SPECIFICATIONS LISTED ON THIS SHEET AS THEY MAY PERTAIN TO THE SPECIFIC JOB.

REGISTRATION SEAL

ARCVISION
MANAGEMENT CONSULTANTS

TORRID

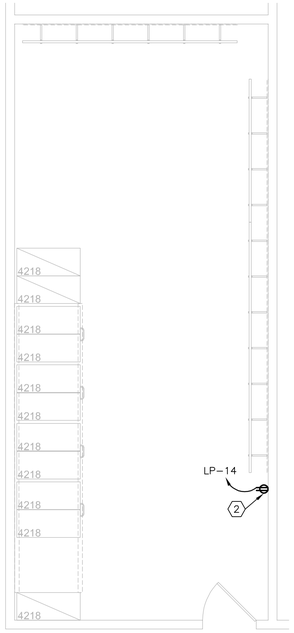
CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

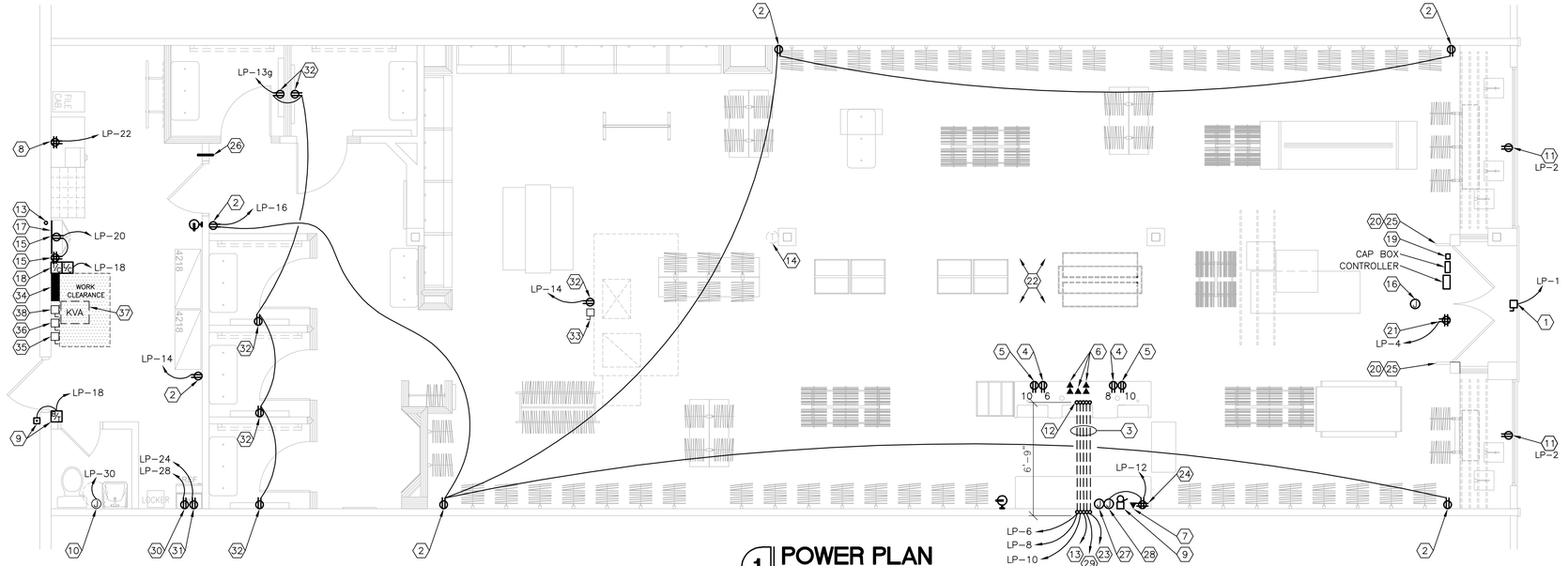
PROJECT NO: 210807
DRAWN BY: SL
CHECKED BY: SL
ISSUE DATE: 01/20/22

MECHANICAL SPECIFICATIONS

M3.0



2 STOCK ROOM
SCALE: 1/4" = 1'-0"



1 POWER PLAN
SCALE: 1/4" = 1'-0"

GENERAL ELECTRICAL NOTES

1. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND SHALL IMMEDIATELY NOTIFY THE OWNER'S PROJECT MANAGER OF ANY DISCREPANCIES.
2. ALL CONDUITS ARE TO BE CONCEALED IN WALLS OR ABOVE CEILINGS. CONDUITS IN EXPOSED CEILING AREAS SHALL EXIT WALLS AS CLOSE TO ROOF/FLOOR STRUCTURAL DECK AS POSSIBLE.
3. ANY EXISTING MATERIALS OR EQUIPMENT NOT TO BE REUSED MUST BE COMPLETELY REMOVED AND DISPOSED OF PROPERLY THROUGH THE LANDLORD'S DESIGNATED AND APPROVED HAULER. NO EQUIPMENT OR COMPONENTS MAY BE ABANDONED WITHOUT WRITTEN PERMISSION OF THE LANDLORD.
4. ANY PENETRATIONS THROUGH FIRE RATED WALLS NEED TO BE APPROPRIATELY FIRE STOPPED TO RETAIN THE WALL'S RATING.
5. CONTRACTOR SHALL ENSURE LOADS BETWEEN PHASES ON PANEL BOARDS ARE BALANCED WITHIN 10%.
6. ALL LOW VOLTAGE WIRING IN CEILING PLENUM (INCLUDING TELEPHONE. DATA, ALARM AND TEMP. CONTROL WIRING) SHALL BE UL LISTED TEFLON PLENUM CABLE.

Antenna Overview

Part of an Ultra*Max® EAS security system, Digital Door-Max antennas attach to the wall or doorframe surrounding an exit. Up to two Door-Max antennas (Figure 1) can be used as transmitters, receivers, or transceivers by connecting them to either a Digital 216 or Ultra*Post Plus controller.

- Wide exits can be covered when a FloorMax Plus antenna is added.
- Antenna configurations are listed in Table 1. Other antenna configurations or additional antennas require the use of a second controller.

Figure 1. Digital Door-Max antenna locations

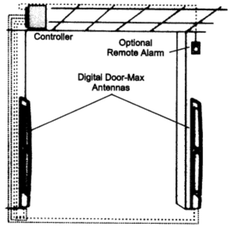


Table 1. Antenna configurations

Door-Max Antenna w/Digital 216 Controller

System	Components Supplied
1 Door-Max (ZADDM-1)	A, F, H, I
1 Door-Max w/Rangers (ZADDM-1-R)	A, C, F, H, I
1 Door-Max w/Satellite Receiver (ZADDM-1-SR)	A, D, F, H, I
2 Door-Max (ZADDM-2)	B, F, H, J

Door-Max Antenna w/Ultra*Post Plus Controller

System	Components Supplied
1 Door-Max Transceiver	A, G, H, K, L, M, N
1 Door-Max Transceiver with 1 Satellite Receiver	A, D, G, H, K, L, M, N
1 Door-Max Transceiver with 1 Ranger Receiver	A, C, G, H, K, L, M, N
2 Door-Max Transceivers	B, G, H, K, L, M, N
2 Door-Max Receivers with 1 FloorMax Plus Transmitter	B, E, G, H, K, L, M, N

A. 1 Digital Door-Max Antenna (ZSDDM)
B. 2 Digital Door-Max Antennas (ZSDDM)
C. 1 Pair Ranger Antennas (ZKRANGER-1)
D. 1 Satellite Receiver (ZKRXMULLMT)
E. 1 FloorMax Plus Antenna
F. 1 Digital 216 Controller (ZED216)
G. 1 Ultra*Post Plus Controller (ZEUPPLUS-E3) and 1 Enclosure Assembly (ZPDFM-E)
H. 1 Power Cord
   - EMC USA 125 V Power Cord (0351-2179-01)
   - "B" Schuko (EUR) 250V Power Cord (0351-0547-02)
   - "D" UK 250V Power Cord (0351-0547-03)
   - "J" Japan 125 V Power Cord (0351-0547-04)
   - Australia to IEC 32 Power Cord (0351-0547-07)
I. 1 Mounting Kit (ZPDDM-M1 or ZPDDM-M2)
J. 2 Mounting Kits (ZPDDM-M1 or ZPDDM-M2)
K. 8 Contact Sockets (2109-0282-26)
L. 2 Connectors, HSG, 4-Pin (2109-0282-04)
M. 2 TM, GD, 1/4x.032, RCP, INS, 22-18 (2103-0098-01)
N. Filter, EMI, FR, 10MID, 2000 (2700-0034-01)

3 DIGITAL DOOR-MAX SYSTEM
SCALE: NONE

POWER KEYED NOTES

1. RUN ELECTRICAL IN 3/4" RIGID CONDUIT TO PORTAL AND UP TO SIGN. ROUTE CONDUITS AS SHOWN ON PLAN DOWN WALL AND THEN TO A J–BOX. RUN 1/2" MC CABLE THROUGH THE STOREFRONT SILL CHANNEL AND UP THE PORTAL TO SIGN RACEWAY. COORDINATE EXACT CONFIGURATION WITH TENANT REP. AND LOCATION WITH SIGNAGE VENDOR. E.C. SHALL INSTALL DISCONNECT SWITCH FOR SIGNAGE CIRCUIT(S) AS REQUIRED BY C.E.C.. REFER TO PLANS FOR NUMBER OF CIRCUITS REQUIRED. VERIFY EXACT LOCATION IN FIELD.
2. DUPLEX RECEPTACLE FLUSH MOUNTED HORIZONTAL IN WALL AT 19" A.F.F. TO BOTTOM OF PLUG FOR GENERAL USE.
3. RUN ELECTRICAL IN (1) 1" AND RUN PHONES IN (1) 2"RIGID CONDUIT TO CASHWRAP. ROUTE CONDUITS AS SHOWN ON PLAN DOWN WALL AND BY SAW CUTTING OR CORE DRILLING FLOOR AS REQUIRED BY LANDLORD. PATCH FLOOR AS REQUIRED. COORDINATE EXACT CONFIGURATION WITH TENANT REP. AND LOCATION WITH FIXTURE INSTALLER. ELECTRICAL CONDUIT AND WIRE AT CASHWRAP TO CONNECT TO PRE–INSTALLED J–BOX FOR FINAL CONNECTION.
4. DEDICATED DUPLEX OUTLET, (HUBBELL OR EQUAL) WITH DEDICATED GROUND, MTD. IN CASHWRAP COUNTER. FIELD VERIFY EXACT LOCATION WITH FIXTURE MANUFACTURER.
5. DUPLEX CONVENIENCE OUTLET MOUNTED IN CASHWRAP COUNTER. FIELD VERIFY EXACT LOCATION WITH FIXTURE MANUFACTURER.
6. (5) RJ–45 CONNECTIONS/ COMPUTER JACKS IN CASHWRAP. FIELD VERIFY EXACT LOCATION WITH FIXTURE MANUFACTURER AND BOX LUNCH PM. FURNISHED AND INSTALLED BY BOX LUNCH VENDOR.
7. RUN (2) 1/2" RIGID CONDUITS. ONE FOR PHONE JACK AT BACKWRAP, AND ONE FOR SPEAKER WIRING. RUN (1) 1/2" RIGID CONDUITS FOR FIRE ALARM IF REQUITED. LEAVE AN 18" WHIP IN FLEXIBLE CONDUIT STUBBED OUT AT 18" A.F.F. VERIFY EXACT LOCATION WITH FIXTURE MANUFACTURER AND BOX LUNCH PM. FURNISHED AND INSTALLED BY BOX LUNCH VENDOR.
8. DEDICATED QUADPLEX RECEPTACLE, (HUBBELL OR EQUAL) MOUNTED IN WALL AT 36" A.F.F. AT STOCK ROOM DESK.
9. IF NOT EXISTING, PROVIDE A DELIVERY BUZZER SYSTEM SIMILAR OR EQUAL TO THOMAS & BETTS WITH TRANSFORMER, PUSH BUTTON, AND CHIME IN STOCK AND SALES TO BE EDWARDS #338–G5 CHIME. E.C. SHALL PROVIDE ALL J–BOXES, CONDUITS & WIRES TO COMPLETELY INSTALL THE SYSTEM. FIELD VERIFY PRIOR TO BID.
10. J–BOX MOUNTED BELOW LAV. FOR INSTANTANEOUS TYPE WATER HEATER.
11. DUPLEX RECEPTACLE FOR SHOW WINDOW FLUSH MOUNTED HORIZONTALLY ON CEILING OR ABOVE DISPLAY WINDOW. PER C.E.C.. RECEPTACLE AND COVER TO BE BLACK.
12. EMT STUB–UP FOR ALL CASHWRAP SYSTEMS, (I.E., OUTLETS, LIGHTING, PHONES, AND LOW VOLTAGE SYSTEMS). EXTEND TO THE DEVICES AS REQUIRED. GANG ALL CONDUITS TOGETHER AND RUN TO THE DEVICES IN THE MOST INCONSPICUOUS MANNER POSSIBLE. SEE DETAIL #3/E1.0..
13. 2" CONDUIT BETWEEN IT CABINET/DATA RACK AND CASHWRAP WITH PULL STRING BY G.C. LOW VOLTAGE WIRING WILL BE DONE BY BOX LUNCH.
14. PROVIDE J–BOX & 3/4"C WITH PULL STRING FOR TEMPERATURE CONTROL. COORDINATE WITH MECHANICAL CONTRACTOR FOR OTHER DETAILS PRIOR TO ROUGH–IN. GC/SUB IS TO CONFIRM LOCATION WITH BOX LUNCH PM BEFORE INSTALLING SENSOR.
15. DUPLEX RECEPTACLE WITH ISOLATED GROUND MOUNTED IN WALL AT 96" A.F.F. IN IT CABINET/DATA RACK FOR PHONE SYSTEM, ALARM, OR OTHER RELATED EQUIPMENT. QUADPLEX WITH ISOLATED GROUND MOUNTED IN WALL AT 96" A.F.F. NEAR IT CABINET/DATA RACK. COORDINATE HEIGHTS WITH P.M. OR LOCATION OF IT CABINET IN ARCHITECTURAL DRAWINGS.
16. LOCATION OF SHOPPER TRAK. SEE SHEET E2.0 FOR MORE DETAIL.
17. 2'–0" X 2'–0" FRT UNPAINTED PLYWOOD TELEPHONE TERMINAL BOARD (T.T.B.) MOUNT DIRECTLY BELOW THE IT CABINET. PROVIDE 1–1/4"C. TO TELCO POINT OF CONNECTION.
18. 24 HOUR TIME CLOCK MOUNTED ON WALL NEAR ELECTRICAL PANEL.
19. SENSORMATIC SECURITY ALARM BOX MOUNTED ON SHELF AT 8'–1" A.F.F. IN PROTAL NEXT TO CONTROL BOX. VERIFY AND COORDINATE EXACT LOCATION AND OTHER RELATED ELECTRICAL EQUIPMENT.
20. SENSORMATIC SECURITY SYSTEM. SEE DETAIL #3/E1.0..
21. 20A RATED QUADPLEX DEDICATED RECEPTACLE WITH ISOLATED GROUND FOR SECURITY SYSTEM. SPACE IS OPEN TO DECK NO CEILING. THE AC SOURCE MUST BE A 3–WIRE 24 HOUR UNSWITCHED OUTLET WITH LESS THAN 0.5 VAC BETWEEN NEUTRAL AND GROUND. UNSHARED NEUTRAL AND GROUND MUST BE FROM THE DEDICATED QUADPLEX TO THE CIRCUIT BREAKER PANEL IN THE BACK. PROVIDE "LOCK–ON" DEVICE ON BREAKER AT PANEL. RACEWAY FROM POWER PACK MOUNTED ABOVE ON BACK SIDE OF SOFFIT DOWN TO EACH ANTENNA. WIRE RUN CANNOT EXCEED 30 FEET AND MUST BE HIDDEN IN RACEWAY. VERIFY EXACT SPECS WITH SENSORMATIC SOLUTIONS C/O TINA M BARANOUSKI @ 1–630–345–3045 SEE DETAIL #2 THIS SHEET. RECEPTACLE AND COVER TO BE BLACK.
22. G.C. SHALL FIELD VERIFY EXACT REQUIREMENTS FOR SMOKE/FIRE ALARM SYSTEM. REUSE ANY EXISTING DETECTION SYSTEM. REPLACE ANY DEFECTIVE DEVICES. IF THERE IS NOT AN EXISTING SYSTEM, E.C. SHALL SUPPLY AND INSTALL ALL NECESSARY EQUIPMENT (SMOKE DETECTORS, AUDIO/VISUAL ALARMS, FIRE ALARM PANEL, CONDUIT, WIRE, ETC.) FOR A NEW SYSTEM AS MAY BE REQUIRED BY LANDLORD AND/OR LOCAL FIRE MARSHALL. INSTALL SMOKE DETECTORS IN SUPPLY OR RETURN DUCTWORK AS REQUIRED BY LOCAL AUTHORITY. FIELD VERIFY AND COORDINATE. G.C. TO PROVIDE ALL FIRE ALARM DRAWINGS AS REQUIRED.
23. FOR AMP/MUSIC PLAYER AND PHONES RUN 1" CONDUITS WITH PULL STRINGS FOR SPEAKER WIRING TO LOCATIONS AS DIRECTED BY THE TENANT'S MUSIC PROVIDER.
24. RUN ELECTRICAL IN 3/4" RIGID CONDUIT TO DEDICATED QUADPLEX RECEPTACLE (HUBBELL OR EQUAL) WITH ISOLATED GROUND. MOUNTED IN BACKWRAP COUNTER AT 6" ABOVE FINISHED BASE. LEAVE AN 18" WHIP IN FLEXIBLE CONDUIT STUBBED OUT AT 18" A.F.F. FIELD VERIFY EXACT LOCATION WITH PM.
25. RUN ELECTRICAL IN 3/4" RIGID CONDUIT – ROUTE CONDUITS AS SHOWN ON PLANS DOWN WALL AND THEN TO A J–BOX. RUN 1/2" MC CABLE THROUGH THE STOREFRONT SILL CHANNEL AND UP THE PORTAL TO SENSORMATIC SECURITY OUTLET. COORDINATE EXACT CONFIGURATION WITH TENANT REP. AND LOCATION WITH SENSORMATIC SECURITY VENDOR.
26. SLEEVE TO BE INSTALLED IN SALES/STOCK WALL ABOVE CEILING OR IN THE CASE OF NO CEILING THE MINIMUM HEIGHT SHALL BE ABOVE THE HIGHEST MOUNTING HEIGHT OF LIGHTS WITHIN SALES AREA.
27. PROVIDE (2) J–BOXES AT BACKWRAP AREA FOR FUTURE TV DATA. (1) J–BOX SHALL BE MOUNTED IN BACKWRAP CABINET WITH A MINIMUM 3/4" CONDUIT WITH PULL STRING FROM J–BOX BACK TO IT CABINET/DATA RACK. THE OTHER J–BOX SHALL BE CENTERED ABOVE BACKWRAP CABINET FLUSH MOUNTED IN WALL WITH A MINIMUM 3/4" CONDUIT WITH PULL STRING ROUTED IN WALL AND CONNECTED TO J–BOX IN BACKWRAP CABINET. FIELD VERIFY EXACT LOCATION, MOUNTING HEIGHT, AND TV REQUIREMENTS WITH BOX LUNCH PM PRIOR TO ROUGH–IN.
28. J–BOX WITH LEVITON 689–W RECESSED RECEPTACLE (OR EQUAL) AT CENTER OF BACKWRAP FOR FUTURE TV POWER. FIELD VERIFY EXACT LOCATION, MOUNTING HEIGHT, AND TV REQUIREMENTS WITH BOX LUNCH PM.
29. PROVIDE MINIMUM 3/4" CONDUIT WITH PULL STRING FROM CASHWRAP BACK TO BACK TO IT CABINET/DATA RACK FOR SPEAKER WIRING. FIELD VERIFY REQUIREMENTS WITH BOX LUNCH PM AND TENANT'S MUSIC PROVIDER PRIOR TO ROUGH–IN.
30. 20A RATED @ +42" FOR MICROWAVE, COORDINATE EXACT LOCATION.
31. 20A RATED @ +15" FOR REFRIGERATOR, COORDINATE EXACT LOCATION.
32. RECESSED DUPLEX RECEPTACLE FOR MIRROR LIGHT MOUNTED IN WALL AT 70" A.F.F. WHITE W/ COVER PLATE TO MATCH ADJACENT WALL COLOR. DUPLEX TO BE CONTROLLED BY A SWITCH IN MAIN SWITCH BANK. REFER TO LIGHTING FIXTURE SCHEDULE FOR MIRROR LIGHTING INFORMATION.
33. WEATHERPROOF G.F.C.I. RECEPTACLE PROVIDED BY E.C. TO BE INSTALLED PER C.E.C.
34. EXISTING DISCONNECT SWITCH FOR RTU TO REMAIN.
35. PANEL "LP". REFER TO PANEL SCHEDULE.
36. MAIN DISCONNECT. REFER TO ONE–LINE DIAGRAM.
37. RTU DISCONNECT. REFER TO ONE–LINE DIAGRAM
38. TRANSFORMER DISCONNECT. REFER TO ONE–LINE DIAGRAM
39. TRANSFORMER. REFER TO ONE–LINE DIAGRAM

REGISTRATION SEAL

ARCVISION MANAGEMENT CONSULTANTS

TORRID

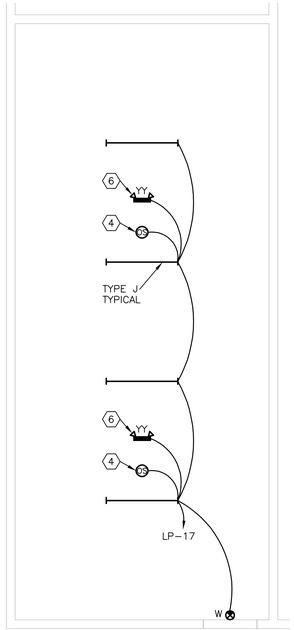
CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

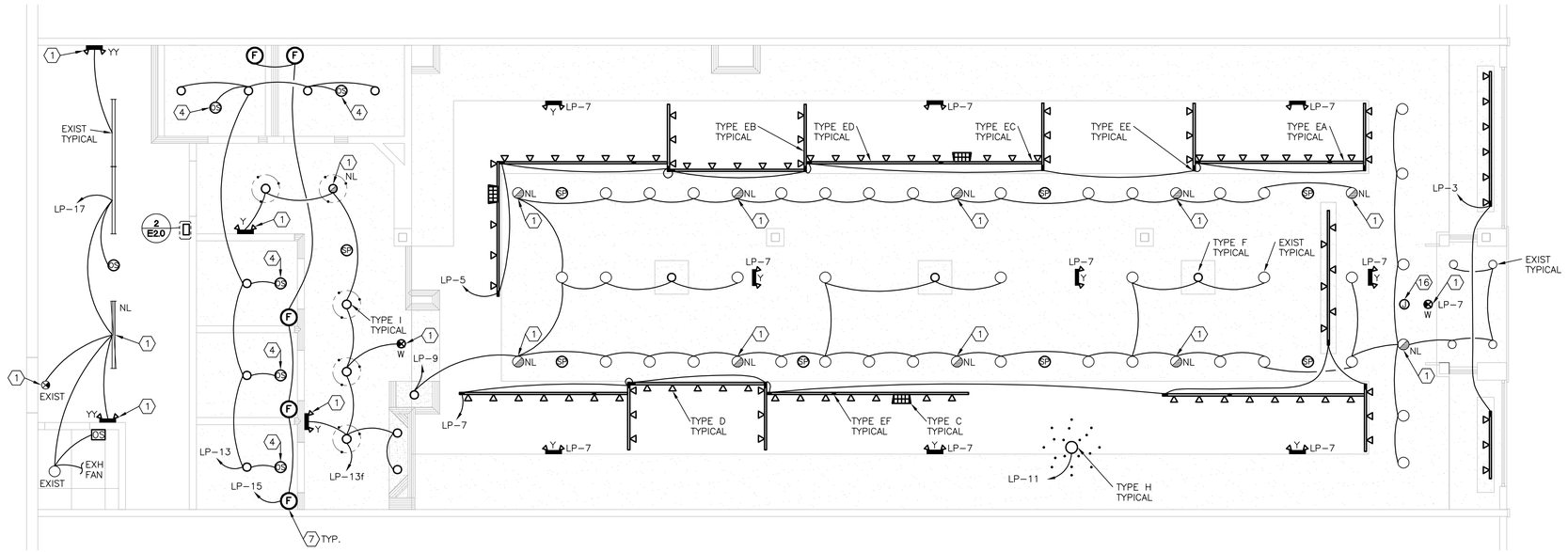
PROJECT NO: 210807
DRAWN BY: TJ
CHECKED BY: TJ
ISSUE DATE: 01/20/22

ELECTRICAL POWER PLAN

E1.0



2 STOCK ROOM
SCALE: 1/4" = 1'-0"



1 LIGHTING PLAN
SCALE: 1/4" = 1'-0"

a	b	c	d
LP-3 SHOW WINDOW LIGHTING	LP-5 RIGHT TRACK LIGHTING	LP-7 LEFT TRACK LIGHTING	LP-9 SALES DOWN LIGHTING

e	f	g	h
LP-11 SALES CHANDELIER LIGHTING	LP-13 FITTING HALL LIGHTING	LP-13 FITTING RM MIRROR LIGHTING	LP-15 FITTING RM FAN LIGHTING

CONTRACTOR TO VERIFY EXACT CONFIGURATION REQUIRED WITH SPACE AVAILABLE. PROVIDE LABELS AS DIRECTED BY OWNER. SWITCHES SHALL NOT BE MOUNTED HIGHER THAN 48"

2 SWITCH BANK
SCALE: NONE

LIGHT FIXTURE SCHEDULE

QTY	SYMBOL	TYPE	MANUFACTURER	CATALOG NO.	DESCRIPTION	REF NOTES	VOLTS	REC	SUR	PEN	WAL
3		C	JUNO	T259L-G2-30K-80CRI-PDIM-WH	TRAC-MASTER LED WALL WASH/ FLOOD	1	120		X		
99	▽	D	JUNO	T689-WH	TRAC-MASTER SPOTLIGHT W/ LED PAR30 LAMP	1	120		X		
3		EA	JUNO	R2FTWH	SINGLE CIRCUIT 24" TRACK WHITE FINISH	1	120			X	
11		EB	JUNO	R4FTWH	SINGLE CIRCUIT 48" TRACK WHITE FINISH	1	120			X	
1		EC	JUNO	R6FTWH	SINGLE CIRCUIT 72" TRACK WHITE FINISH	1	120			X	
11		ED	JUNO	R8FTWH	SINGLE CIRCUIT 96" TRACK WHITE FINISH	1	120			X	
20		EE	JUNO	R38WH	LIVE END POWER FEED WHITE FINISH	1	120			X	
6		EF	JUNO	R23WH	CENTER "MINI-CONNECTOR" FEED	1	120			X	
10	○	F	JUNO	TC22LED-G4-14LM-30K-90CRI-ZT10/27CWH/LBZ7	6" VERTICAL LED DOWNLIGHT	1,2,3,4,5	120	X			
1		H	TROY LIGHTING	KF17414 LED4E12B-1127K CANDELABRA	CEILING PENDANT - POLISHED STAINLESS STEEL FINISH	1	120			X	
5		I	TROY LIGHTING	KF17414-20-1 LED4E12B-1127K CANDELABRA	CEILING PENDANT - POLISHED STAINLESS STEEL FINISH	1	120			X	
4		J	LITHONIA	ZL1N-L48-5000LM-FST-MVOLT-30K-80CRI-WH	4' LED STRIPLIGHT - WHITE FINISH	1	120		X	X	
3		W	EMERGI-LITE	EAE-1-TA-UI	EMERGENCY EXIT SIGN WITH 90 MIN BATTERY BACKUP	1,4,5	120		X		
11		Y	EMERGI-LITE	PRO-2N-LA-CM	EMERGENCY WALL PACK WITH 90 MIN BATTERY BACKUP	1,4,5	120		X	X	
4		YY	BEST LIGHTING	R-1-WHITE	EMERGENCY WALL PACK WITH 90 MIN BATTERY BACKUP	1,4,5	120		X	X	
5	Ⓕ	FR	MATTHEWS	TRD-KC-CR-OSC	FAN OSCILLATING POLISH CHROME --	1	120		X		

LAMP/ FIXT	WATTS/ LAMP	FIXTURE WATTS	MANUFACTURER/ CATALOG NO.
1	41	41	INCLUDED
1	15	15	-
NOT APPLICABLE			
NOT APPLICABLE			
NOT APPLICABLE			
NOT APPLICABLE			
NOT APPLICABLE			
NOT APPLICABLE			
1	16	16	INCLUDED
30	15	450	-
8	15	120	-
1	33	33	INCLUDED
1	-	2	INCLUDED
-	-	4	INCLUDED
-	-	4	INCLUDED
1	-	100	--

1. FIXTURES AND LAMPS SUPPLIED BY TENANT AND INSTALLED BY ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
2. EQUIP NEW FLUORESCENT LIGHT FIXTURES WITH ELECTRONIC BALLASTS.
3. FIXTURES SHOWN WITH CROSS-HATCH ARE TO BE NIGHT LIGHTS.
4. FIXTURES USED FOR EXIT, EMERGENCY, OR NIGHT LIGHTING TO BE ON LOCKOUT CIRCUIT.
5. ALL FIXTURES USED FOR EXIT, OR EMERGENCY LIGHTS TO HAVE 90 MINUTE BATTERY BACK UP.

LIGHTING KEYED NOTES

1. PROVIDE HOT, UNSWITCHED CONDUCTOR TO NIGHT LIGHT TO RENDER FIXTURE OPERATIONAL 24HRS A DAY.
2. ELECTRICAL CONTRACTOR TO CLEAN, RE-LAMP AS NECESSARY (AND RE-BALLAST IF NECESSARY) ALL EXISTING AND RELOCATED FIXTURES AS REQUIRED TO ENSURE THAT ALL FIXTURES IN THEIR FINAL PLACEMENT ARE FULLY FUNCTIONAL. REPLACE ANY BROKEN LENSES. NEW LAMPS, LENSES AND BALLAST IF NECESSARY WILL BE SUPPLIED BY ELECTRICAL CONTRACTOR.
3. LIGHT FIXTURE TO BE CONTROLLED BY LOCAL SWITCH. E.C. TO CONNECT EMERGENCY BATTERY PACK TO A UNSWITCHED LEG OF CIRCUIT FOR 24 HOUR OPERATION. IF NOT FOUND EXISTING, E.C. TO PROVIDE NEW EMERGENCY BALLAST WITH 90 MINUTE BATTERY BACKUP.

LIGHTING KEYED NOTES

1. CONNECT FIXTURE TO UNSWITCHED LEG OF CIRCUIT INDICATED TO RENDER OPERATIONAL 24HRS A DAY.
2. LOCATION OF SHOPPER TRAK. PROVIDE 1/2" CONDUIT W/PULL STRING FROM THE COMMUNICATIONS STRUCTURE TO A LOCATION ABOVE ENTRY SOFFIT. SEE DETAIL 3 THIS SHEET.
3. OCCUPANCY WALL SWITCH WATTSTOPPER DSW-301B SUPPLIED BY VENDOR INSTALLED BY E.C.
4. CEILING MOUNTED OCCUPANCY SENSOR WATTSTOPPER DT-355 SUPPLIED BY VENDOR INSTALLED BY E.C.
5. J-BOX FOR SPEAKER TO BE RECESSED IN WALL AT 13'-0" A.F.F. TO BOTTOM OF J-BOX. FIELD VERIFY LOCATION WITH PROJECT MANAGER.
6. PENDANT MOUNT EMERGENCY LIGHTING IN STOCK ROOM AT SAME ELEVATION AS STRIPLIGHTING TYPE K.
7. PROVIDE J-BOX FOR CEILING MOUNTED OSCILLATING FANS CONTROLLED BY MASTER SWITCH IN SWITCH BANK.

GENERAL ELECTRICAL NOTES

1. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND SHALL IMMEDIATELY NOTIFY THE OWNER'S PROJECT MANAGER OF ANY DISCREPANCIES.
2. ALL CONDUITS ARE TO BE CONCEALED IN WALLS OR ABOVE CEILINGS. CONDUITS IN EXPOSED CEILING AREAS SHALL EXIT WALLS AS CLOSE TO ROOF/FLOOR STRUCTURAL DECK AS POSSIBLE.
3. ANY EXISTING MATERIALS OR EQUIPMENT NOT TO BE REUSED MUST BE COMPLETELY REMOVED AND DISPOSED OF PROPERLY THROUGH THE LANDLORD'S DESIGNATED AND APPROVED HAULER. NO EQUIPMENT OR COMPONENTS MAY BE ABANDONED WITHOUT WRITTEN PERMISSION OF THE LANDLORD.
4. ANY PENETRATIONS THROUGH FIRE RATED WALLS NEED TO BE APPROPRIATELY FIRE STOPPED TO RETAIN THE WALL'S RATING.
5. CONTRACTOR SHALL ENSURE LOADS BETWEEN PHASES ON PANEL BOARDS ARE BALANCED WITHIN 10%.
6. ALL LOW VOLTAGE WIRING IN CEILING PLENUM (INCLUDING TELEPHONE. DATA, ALARM AND TEMP. CONTROL WIRING) SHALL BE UL LISTED TEFLON PLENUM CABLE.

REGISTRATION SEAL

ARCVISION
MANAGEMENT CONSULTANTS

TORRID

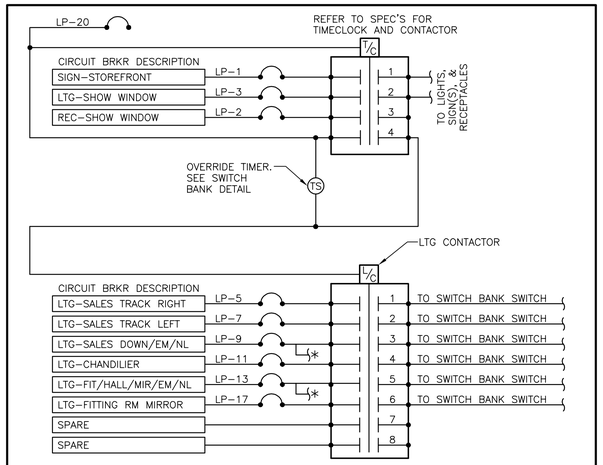
CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

PROJECT NO: 210807
DRAWN BY: TJ
CHECKED BY: TJ
ISSUE DATE: 01/20/22

ELECTRICAL LIGHTING PLAN

E2.0



2 TIMECLOCK AND LIGHTING CONTACTOR CONTROL DIAGRAM

SCALE: NONE

* – UNSWITCHED LEG TO FIXTURES REQUIRING 24HR. OPERATION.

TIMECLOCK AND CONTACTOR FOR AUTOMATIC SHUT OFF OF ALL SPACE LIGHTING AS REQUIRED BY ENERGY CODE

PANELBOARD DESIGNATION **"LP"** NEW INSTALL **X** EXIST LOCATION ___ RELOCATED EXIST ___

120/208 VOLTS **3** PHASE **4** WIRE, SOLID NEUTRAL **100** AMPERE BUS **100** AMPERE MAIN **BREAKER**

FLUSH MTD ___ SURFACE MTD **X**

CKT #	DESCRIPTION	WATTS	LOAD TYPE	WIRE SIZE	BRKR SIZE	POLE	A	B	C	POLE	BRKR SIZE	WIRE SIZE	LOAD TYPE	WATTS	DESCRIPTION	CKT #
1	SIGN-STOREFRONT	1200	L	12	15	1	1560			1	15	12	R	360	REC-SHOW WINDOW	2
3	LTG-SHOW WINDOW	135	L	12	15	1		635		1	15	12	R	500	REC-SENSORMATIC	4
5	LTG-SALES TRACK RIGHT	802	L	12	15	1			982	1	15	12	R	180	REC-POS 1	6
7	LTG-SALES TRACK LEFT	671	L	12	15	1	851			1	15	12	R	180	REC-POS 2	8
9	LTG-SALES DOWN/EM/NL	1026	L	12	15	1		1386		1	15	12	R	360	REC-POS UTILITY	10
11	LTG-CHANDELIER	450	L	12	15	1			986	1	15	12	R	536	REC-BACKWRAP/FUT TV	12
13	LTG-FIT/HALL/MIR/EM/NL	1144	L	12	15	1	1684			1	15	12	R	540	REC-STOCK/HAVE	14
15	FTTING RM FAN	500	L	12	15	1		1400		1	15	12	R	900	REC-SALES	16
17	LTG-STOCKS/RR/EM/NL	366	L	12	15	1			726	1	15	12	M	360	TIME CLOCK/BUZZER	18
19	SPARE	--	–	–	15	1	540			1	15	12	R	540	PHONEBOARD/IT RACK	20
21	SPARE	--	–	–	15	1		360		1	15	12	R	360	REC-DESK	22
23	SPARE	--	–	–	15	1			500	1	15	12	R	500	REC-REFRIGEREATOR	24
25	BLANK	--	–	–	–	1	--			1	15	–	–	--	SPARE	26
27	BLANK	--	–	–	–	1		1200		1	15	12	R	1200	REC-MICROWAVE	28
29	BLANK	--	–	–	–	1			1500	1	20	12	R	1500	WATER HEATER	30

4635 4981 4694 SUB TOTALS

CONNECTED LOAD **14310**

PHASE BALANCE **6.9%**

L = LTG OR SIGNAGE
R = RECEPTACLE
M = MISCELLANEOUS
H = H.V.A.C.
K = KITCHEN

E.C. SHALL PROVIDE ISOLATED GROUND BAR.

NOTE: ALL BREAKERS SHALL BE BOLT-ON, UNLESS OTHERWISE NOTED.
● – INDICATES THIS CIRCUIT TO RECIEVE HANDLE LOCK-ON CLIP
T/C – INDICATES THIS CIRCUIT TO BE CONTROLLED BY A TIMECLOCK
* – REFER TO ONE-LINE DIAGRAM FOR WIRE SIZE TO THIS EQUIPMENT

ENERGY SPACE BY SPACE

DESCRIPTION	TOTAL WATTS
EXISTING LIGHTING	1038
NEW LIGHTING	1258
NEW TRACK 120V X 45 AMP BREAKERS	5400
TOTAL INSTALLED	**6659**

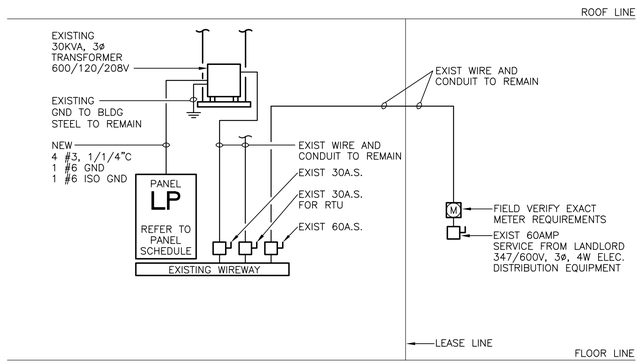
DESCRIPTION	SQM	LPD	TOTAL WATTS
SALES	1696	15.5	26288
FITTING RM	35	7.7	270
STORAGE RESTROOM	56	6.8	381
TOTAL ALLOWED			**26939**

SERVICE DEMAND

DESCRIPTION	TOTAL WATTS
TRANSFORMER	19999
HVAC	17599
25% LARGEST MOTOR	1584
TOTAL DEMAND WATTS	**39182**
TOTAL DEMAND AMPS (1039V)	**37.7**

PANEL LP DEMAND

DESCRIPTION	TOTAL WATTS
TRACK (3)15A X 120V CIRCUIT BREAKER	5400
25% CONTINUOUS LOAD	1350
REMAINING LIGHTING/SIGN LOAD	4186
25% CONTINUOUS LOAD	1047
MISC	360
RECEPTACLES	6156
WATER HEATER	1500
TOTAL DEMAND WATTS	**19999**
TOTAL DEMAND AMPS (208V)	**55.6**



1 ELECTRICAL ONE-LINE DIAGRAM

SCALE: NONE

1. ALL WIRE SHALL BE COPPER ONLY, THW, THWN, THHW, OR CEC APPROVED EQUAL OR BETTER. ALL WIRING SHALL BE IN CONDUIT. WIRE AMPACITY BASED ON CEC
2. E.C. SHALL FURNISH ALL NEW ELECTRICAL EQUIP. (PANELS, TRANSFORMER, CONDUITS, WIRE, METERS, SERVICE FEEDERS AND CONDUIT, DISC SWITCHES, CONTACTORS, TIMECLOCKS, ETC) AS REQUIRED, UNLESS NOTED OTHERWISE.
3. ALL ELECTRICAL EQUIPMENT (PANELS, TRANSFORMER, LIGHTS, DEVICES, CONDUIT, WIRE, ETC.) NOT BEING USED SHALL BE REMOVED FROM THE SITE. DO NOT ABANDON IN PLACE.
4. E.C. SHALL FIELD VERIFY ALL EXISTING ELECTRICAL EQUIPMENT. ALSO FIELD VERIFY THAT ANY EXISTING ELEC. EQUIPMENT TO BE REUSED IS OF ADEQUATE SIZE AND CONDITION TO MAINTAIN SAFE OPERATION. IF DISCREPANCIES ARISE CONTACT PROJECT REP.

GENERAL ELECTRICAL NOTES

1. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND SHALL IMMEDIATELY NOTIFY THE OWNER'S PROJECT MANAGER OF ANY DISCREPANCIES.
2. ALL CONDUITS ARE TO BE CONCEALED IN WALLS OR ABOVE CEILINGS. CONDUITS IN EXPOSED CEILING AREAS SHALL EXIT WALLS AS CLOSE TO ROOF/FLOOR STRUCTURAL DECK AS POSSIBLE.
3. ANY EXISTING MATERIALS OR EQUIPMENT NOT TO BE REUSED MUST BE COMPLETELY REMOVED AND DISPOSED OF PROPERLY THROUGH THE LANDLORD'S DESIGNATED AND APPROVED HAULER. NO EQUIPMENT OR COMPONENTS MAY BE ABANDONED WITHOUT WRITTEN PERMISSION OF THE LANDLORD.
4. ANY PENETRATIONS THROUGH FIRE RATED WALLS NEED TO BE APPROPRIATELY FIRE STOPPED TO RETAIN THE WALL'S RATING.
5. CONTRACTOR SHALL ENSURE LOADS BETWEEN PHASES ON PANEL BOARDS ARE BALANCED WITHIN 10%.
6. ALL LOW VOLTAGE WIRING IN CEILING PLENUM (INCLUDING TELEPHONE. DATA, ALARM AND TEMP. CONTROL WIRING) SHALL BE UL LISTED TEFLON PLENUM CABLE.

SYMBOL LEGEND

	UNIPLEX RECEPTACLE (SINGLE)
	DUPLEX RECEPTACLE
	DUPLEX FLOOR MOUNTED
	DUPLEX ISOLATED GROUND
	DUPLEX FLOOR MTD ISO GRD
	DUPLEX SPECIAL LOCATION
	QUADPLEX RECEPTACLE
	QUADPLEX FLOOR MOUNTED
	QUADPLEX ISOLATED GROUND
	QUADPLEX FLOOR MTD ISO GRD
	QUADPLEX SPECIAL LOCATION
	SPECIAL VOLTAGE OR AMPERAGE
	SPECIAL VOLTAGE OR AMPERAGE
	MULTI-OUTLET PLUGMOLD
	DUAL PORT OUTLET
	TELEPHONE OUTLET
J	JUNCTION BOX
D	DATA OUTLET
	DOORBELL PUSHBUTTON
	DOORBELL
	DOORBELL LOW-VOLT TRANS
	LOW-VOLTAGE TRANSFORMER
	DISCONNECT SWITCH
	TELEPHONE BOARD
	ELECTRICAL PANEL
KVA	TRANSFORMER
T/C	24HR 7 DAY-TIME CLOCK
$	WALL SWITCH
OS	WALL MTD OCCUPANCY SENSOR
OS	CEILING OCCUPANCY SENSOR
	CIRCUIT HOME RUN
	CONDUIT THRU/BELOW FLOOR
	CONDUIT STUBBED UP/DOWN
N.L.	NIGHT LIGHT
VIA T/C	TIMECLOCK CONTROLLED CIRCUIT

REGISTRATION SEAL

ARCVISION MANAGEMENT CONSULTANTS

TORRID

CHAMPLAIN PLACE
477 PAUL STREET
DIEPPE, NEW BRUNSWICK E1A 4X5
SPACE# H005A STORE# 3529

REV	DATE	DESCRIPTION	NAME

PROJECT NO: 210807
DRAWN BY: TJ
CHECKED BY: TJ
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ELEC. DETAILS AND SCHEDULES

E3.0

1. GENERAL REQUIREMENTS

THE GENERAL PROVISIONS OF THE CONTRACT INCLUDING ANY GENERAL AND SUPPLEMENTAL CONDITIONS AND GENERAL REQUIREMENTS APPLY TO THE WORK IN THIS SECTION. BEFORE SUBMITTING A BID, EXAMINE ALL MECHANICAL, ARCHITECTURAL, AND/OR STRUCTURAL DOCUMENTS, VISIT THE SITE AND GET ACQUAINTED WITH ALL CONDITIONS THAT MAY IN ANY WAY WHATSOEVER AFFECT THE EXECUTION OF THIS CONTRACT. TAKE MEASUREMENTS AND BE RESPONSIBLE FOR EXACT SIZE AND LOCATIONS OF ALL OPENINGS REQUIRED FOR THE INSTALLATION OF WORK. FIGURED DIMENSIONS ARE REASONABLY ACCURATE AND SHOULD GOVERN IN SETTING OUT WORK. WHERE DETAILED METHOD OF INSTALLATION IS NOT INDICATED OR WHERE VARIATIONS EXIST BETWEEN DESCRIBED WORK AND APPROVED PRACTICE, DIRECTION OF THE OWNER'S REPRESENTATIVE ON JOB SITE SHALL BE FOLLOWED.

THE CONTRACT INCLUDES ALL ITEMS OF MATERIAL AND LABOR REQUIRED FOR THE COMPLETE INSTALLATION AND FULL OPERATION OF THE ELECTRICAL WORK AS SHOWN ON THE DRAWINGS AND HEREINAFTER SPECIFIED. ALL WORK, MATERIALS, AND EQUIPMENT SHALL HAVE A ONE YEAR WARRANTY AFTER ACCEPTANCE OF THE WORK BY THE OWNER. ANY DEFECTIVE ITEMS SHALL BE REMOVED AND REPLACED AT THE ELECTRICAL SUB-CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.

PERFORM WORK UNDER THIS CONTRACT IN CLOSE HARMONY WITH OTHER CONTRACTORS SO COMPLETED WORK SHALL PRESENT A NEAT AND WORKMANLIKE INSTALLATION. EXPOSED FINISHED MATERIALS AND EQUIPMENT SHALL BE CAREFULLY CLEANED AND WIPED TO REMOVE GREASE, SMUDGES, DUST AND OTHER SPOTS AND LEFT SMOOTH AND CLEAN. DURING THE PROGRESS OF THE WORK, THE ELECTRICAL SUB-CONTRACTOR SHALL CAREFULLY CLEAN UP AFTER HIS MEN AND SHALL LEAVE THE PREMISES AND ALL PORTIONS OF THE BUILDING IN WHICH HE IS WORKING FREE OF DEBRIS AND IN A CLEAN AND SAFE CONDITION.

TIGHTEN ELECTRICAL CONNECTORS AND TERMINALS, INCLUDING SCREWS AND BOLTS, IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S PUBLISHED TORQUE TIGHTENING VALUES FOR EQUIPMENT CONNECTORS. WHERE MANUFACTURER'S TORQUING REQUIREMENTS ARE NOT INDICATED, TIGHTEN CONNECTORS AND TERMINALS TO COMPLY WITH TIGHTENING TORQUES SPECIFIED IN APPLICABLE UL AND CEC STANDARDS.

WHENEVER THE WORDS "CONTRACTOR", "THIS CONTRACTOR", ETC. APPEAR ON DRAWINGS OR IN THESE SPECIFICATIONS FOR THE ELECTRICAL WORK, IT SHALL REFER TO THE ELECTRICAL SUB-CONTRACTOR. WHENEVER THE WORD "PROVIDE" APPEARS IN THESE DOCUMENTS, IT SHALL BE INTERPRETED TO MEAN "FURNISH & INSTALL".

OUTLET MOUNTING HEIGHTS AS INDICATED ON THE PLANS ARE APPROXIMATE TO BE USED FOR BIDDING PURPOSES ONLY. THE EXACT MOUNTING HEIGHT OF OUTLETS SHALL BE DETERMINED IN THE FIELD WITH RELATION TO ARCHITECTURAL DETAILS AND EQUIPMENT BEING SERVED. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE OUTLET LOCATION WITH EQUIPMENT. THE OWNER'S REPRESENTATIVE SHALL BE PERMITTED TO RELOCATE ANY OUTLET PRIOR TO INSTALLATION WITHIN A 15 FOOT LIMIT AT NO ADDITIONAL CHARGE IN CONTRACT PRICE. ALL FASTENERS, HANGERS AND METHODS OF HANGING EXPOSED WORK IN FINISHED AREAS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL BEFORE INSTALLATION. IF DURING CONSTRUCTION IT BECOMES APPARENT THAT CERTAIN MINOR CHANGES IN LAYOUT WILL EFFECT A NEATER JOB OR BETTER ARRANGEMENT, SUCH ALTERATIONS SHALL BE MADE AS PART OF THE CONTRACT. ENGINEER'S APPROVAL SHALL BE OBTAINED BEFORE MAKING SUCH CHANGES. WORKMANSHIP THROUGHOUT SHALL CONFORM TO THE STANDARDS OF BEST PRACTICE. MARKS, DENTS OR FINISH SCRATCHES WILL NOT BE PERMITTED ON ANY EXPOSED MATERIALS, FIXTURES OR FITTINGS. INSIDE OF PANELS & EQUIPMENT BOXES SHALL BE LEFT CLEAN.

THE SYSTEM SHALL RING ENTIRELY FREE FROM GROUND WHEN TESTED OUT IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTRUCTION OF EACH SYSTEM TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. UPON COMPLETION OF THE JOB, THIS CONTRACTOR SHALL FURNISH THE OWNER WITH A COMPLETE SET OF OPERATING INSTRUCTIONS ON ALL ELECTRICAL SYSTEMS INSTALLED.

THE ELECTRICAL CONTRACTOR SHALL CONSULT THE PLANS OF ALL OTHER TRADES IN ALL INSTANCES BEFORE INSTALLING HIS WORK SO THAT HIS PIPING WILL NOT INTERFERE WITH THOSE BRANCHES. IN THE EVENT OF A CONFLICT, THIS CONTRACTOR SHALL REPORT TO THE OWNER'S REPRESENTATIVE AT ONCE AND DO NO FURTHER WORK TO BE INSTALLED UNTIL A SATISFACTORY ARRANGEMENT IS DECIDED UPON. ANY WORK DONE, OR EQUIPMENT PLACED IN POSITION BY THIS CONTRACTOR, CREATING A CONFLICT IN VIOLATION HEREOF, SHALL BE READJUSTED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT THE EXPENSE OF THE CONTRACTOR. THE DECISION OF THE OWNER'S REPRESENTATIVE SHALL BE FINAL IN REGARD TO CHANGES DUE TO CONFLICTING CONDITIONS.

2. SHOP DRAWINGS

THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ONLY FOR ITEMS OF MATERIAL AND EQUIPMENT DIFFERENT THEN THOSE ALREADY CALLED FOR WITHIN THESE DRAWINGS FOR APPROVAL BY THE ENGINEER. THE CONTRACTOR IS NOT AUTHORIZED TO PURCHASE ANY MATERIAL UNTIL SUCH APPROVAL IS OBTAINED. A MINIMUM OF SIX SEPARATE SETS OF DRAWINGS IS REQUIRED AND WILL BE DISTRIBUTED AS FOLLOWS: 1 COPY FOR ENGINEER'S FILE; 1 COPY FOR ARCHITECT'S FILE; 2 COPIES FOR THE OWNER'S FILE; 2 COPIES FOR THE CONTRACTOR. SHOP DRAWINGS SHALL BE NEATLY BOUND IN A FLAT RING BINDER HAVING JOB NAME AND CONTRACTOR'S NAME ON COVER. A SINGLE SUBMISSION IS PREFERRED HAVING ALL ITEMS INCLUDED. LOOSE SHEET OR INCOMPLETE SUBMITTALS WILL NOT BE ACCEPTED. ALL ITEMS OF MATERIAL TO BE SUPPLIED WHICH DO NOT REQUIRE SHOP DRAWING SUBMISSION SUCH AS CONDUIT, WIRE, BOXES, ETC., SHALL BE LISTED AS SEPARATE MATERIAL SHOWING MANUFACTURER'S NAME AND CATALOG NUMBER AND TYPE AND SHALL BE INCLUDED WITH SHOP DRAWINGS SUBMITTAL.

3. RECORD DRAWINGS AND OPERATING INSTRUCTIONS & SERVICE MANUAL

TWO SETS OF MECHANICAL/ELECTRICAL DRAWINGS SHALL BE PROVIDED AS RECORD DRAWINGS WHICH SHALL BE SEPARATE, CLEAN, SEPIA REPRODUCIBLES RESERVED FOR THE PURPOSE OF SHOWING A COMPLETE PICTURE OF THE WORK AS ACTUALLY INSTALLED. THESE DRAWINGS SHALL ALSO SERVE AS WORK PROGRESS REPORT SHEETS AND THE ELECTRICAL SUB-CONTRACTOR SHALL MAKE ANY NOTATIONS, NEAT AND LEGIBLE THEREON DAILY AS WORK PROCEEDS. THE DRAWINGS SHALL BE AVAILABLE FOR INSPECTION AT ALL TIMES AND SHALL BE KEPT AT THE JOB AT A LOCATION DESIGNATED BY THE OWNER'S REPRESENTATIVE. AT THE COMPLETION OF THE WORK, THESE RECORD DRAWINGS SHALL BE SIGNED BY THE ELECTRICAL SUB-CONTRACTOR, DATED AND RETURNED TO THE OWNER'S REPRESENTATIVE. FINAL PAYMENT OF CONTRACT WILL NOT BE MADE UNTIL RECEIPT AND REVIEW OF SAID DRAWINGS. PROVIDE TWO NEATLY BOUND (WITH TABBED SECTIONS) COPIES OF MAINTENANCE AND INSTRUCTION BOOKS, PARTS LIST PERTAINING TO ALL EQUIPMENT FURNISHED. SUBMIT TO THE OWNER'S REPRESENTATIVE FOR APPROVAL. FINAL PAYMENT WILL NOT BE MADE UNTIL DRAWINGS FOR RECORD, MAINTENANCE AND INSTRUCTION MANUALS ARE DELIVERED TO THE OWNER'S REPRESENTATIVE.

4. PERMITS AND REGULATIONS

THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE SHALL BE THE MINIMUM REQUIREMENT FOR ALL WORK. ALL ELECTRICAL MATERIALS USED IN THIS WORK AND ALL WORKMANSHIP AND TESTS PERFORMED THEREIN, UNLESS SPECIFICALLY SPECIFIED SHALL CONFORM TO THE LATEST RULES AND REGULATIONS AND SPECIFICATIONS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS, LOCAL AND STATE CODES AND AUTHORITIES HAVING JURISDICTION AND UTILITY COMPANY. EXAMINE THE DRAWINGS AND SPECIFICATIONS FOR COMPLIANCE WITH PREVAILING CODES, REGULATIONS AND ORDINANCES AND BASE BID AND WORK ACCORDINGLY. ANY MINOR DISCREPANCY BETWEEN THESE DRAWINGS/SPECIFICATIONS AND CODES, LAWS, ORDINANCES, RULES AND REGULATIONS SHALL BE CORRECTED BY THIS CONTRACTOR AS REQUIRED WITHOUT ANY ADDITIONAL REIMBURSEMENT. MAJOR DISCREPANCIES SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER (IN WRITING), PRIOR TO INSTALLATION, ALONG WITH THE CONTRACTOR'S PROPOSED COST FOR CORRECTION. THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS OR CERTIFICATES OF INSPECTION AND APPROVAL REQUIRED FOR THIS BRANCH OF THE WORK. OWNER SHALL BE FURNISHED WITH CERTIFICATES OF FINAL INSPECTION AND APPROVAL PRIOR TO FINAL ACCEPTANCE OF THIS BRANCH OF THE WORK.

5. DRAWINGS AND SPECIFICATIONS

THE SPECIFICATIONS AND ACCOMPANYING DRAWINGS ARE INTENDED TO DESCRIBE THE SCOPE OF ALL ELECTRIC/MECHANICAL WORK. THE DRAWINGS ARE AN OUTLINE TO INDICATE THE APPROXIMATE LOCATION AND ARRANGEMENT OF RACEWAYS, WIRING AND EQUIPMENT. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE IN EXECUTING OF THE WORK. SHOULD THERE BE A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS, THIS CONTRACTOR SHALL REFER THE MATTER TO THE OWNER'S REPRESENTATIVE FOR A DECISION AS TO METHOD OR MATERIAL. ELECTRICAL CONTRACTOR SHALL REFER TO DRAWINGS OF ALL OTHER TRADES FOR DETAILS, DIMENSIONS AND LOCATIONS OF OTHER WORK AND ROUTE HIS WORK SO AS NOT TO CONFLICT WITH ANY OTHER BRANCH. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING QUANTITIES OF EQUIPMENT MENTIONED IN THE SPECIFICATIONS WITH THOSE SHOWN ON THE DRAWINGS. IF DISCREPANCIES ARE NOTED, PROVIDE THE GREATER OF THE QUANTITIES OR THE BETTER OF THE QUALITIES AS APPLICABLE.

6. MATERIALS AND EQUIPMENT

ALL MATERIALS AND EQUIPMENT SHALL BE NEW. ALL MATERIALS, APPARATUS AND EQUIPMENT SHALL BEAR THE UNDERWRITER'S LABORATORIES INC., LABEL WHERE REGULARLY SUPPLIED. CERTAIN MANUFACTURERS OF MATERIAL AND EQUIPMENT ARE SPECIFIED AND PLANS ARE DETAILED ACCORDING TO THIS MATERIAL. THIS CONTRACTOR SHALL BASE HIS BID ON FURNISHING AND INSTALLING THIS MAKE OF MATERIAL AND EQUIPMENT. WHERE MORE THAN ONE MAKE OF MATERIAL OR EQUIPMENT IS SPECIFIED, THE CONTRACTOR SHALL STATE IN HIS BID WHICH MAKE HE PROPOSES TO FURNISH.

7. ELECTRICAL IDENTIFICATION

PROVIDE MANUFACTURER'S STANDARD SELF-ADHESIVE VINYL TAPE NOT LESS THAN 3 MILS THICK BY 1-1/2" WIDE. WHERE APPLICABLE, INSTALL ON ALL CONCEALED RACEWAYS AT CONNECTION TO ALL JUNCTION BOXES, PULL BOXES, EQUIPMENT, WALL/FLOOR/, ETC. UNLESS OTHERWISE INDICATED OR REQUIRED BY GOVERNING REGULATIONS, PROVIDE ORANGE TAPE WITH BLACK LETTERS.

PROVIDE CIRCUIT IDENTIFICATION BANDS FOR ALL CABLES AND CONDUCTORS. PROVIDE MANUFACTURER'S STANDARD COLOR CODING FOR CABLE/CONDUCTOR JACKET AND/OR INSULATION FOR ALL CABLES AND CONDUCTORS OF ALL SYSTEMS. MATCH IDENTIFICATION WITH MARKING SYSTEM USED IN EXISTING SYSTEMS (WHERE APPLICABLE), SHOP DRAWINGS, CONTRACT DOCUMENTS, AND SIMILAR PREVIOUSLY ESTABLISHED IDENTIFICATION FOR PROJECT'S ELECTRICAL WORK. PROVIDE ON ALL CONDUCTORS OF ALL SYSTEMS.

INSTALL ENGRAVED PLASTIC-LAMINATE SIGN ON MAJOR UNITS OF ELECTRICAL EQUIPMENT, INCLUDING CENTRAL OR MASTER UNIT OF EACH ELECTRICAL SYSTEM INCLUDING COMMUNICATION/CONTROL/SIGNAL SYSTEMS, UNLESS UNIT IS SPECIFIED WITH ITS OWN SELF-EXPLANATORY IDENTIFICATION OR SIGNAL SYSTEM. EXCEPT AS OTHERWISE INDICATED, PROVIDE SINGLE LINE OF TEXT, 1/2" HIGH LETTERING, ON 1-1/2" HIGH SIGN (2" HIGH WHERE 2 LINES ARE REQUIRED), WHITE LETTERING IN BLACK FIELD. UNLESS DETERMINED OTHERWISE IN FIELD, PROVIDE TEXT MATCHING TERMINOLOGY AND NUMBERING OF THE CONTRACT DOCUMENTS AND SHOP DRAWINGS. SECURE TO SUBSTRATE WITH FASTENERS, EXCEPT USE ADHESIVE WHERE FASTENERS SHOULD NOT OR CANNOT PENETRATE SUBSTRATE. AS A MINIMUM PROVIDE SIGNS FOR EACH UNIT OF THE FOLLOWING CATEGORIES OF ELECTRICAL WORK WHERE SUCH WORK EXISTS ON THE PROJECT ALL STARTERS AND DISCONNECTS; ALL REMOTE FIXTURE OR EQUIPMENT SWITCHING DEVICES (VIA ENGRAVED WALLPLATES); ALL SYSTEM DEVICES, PORTS, TAPS, J.B.'S, P.B.S, ETC.; PANELBOARDS, ELECTRICAL CABINETS ; ANY OTHER EQUIPMENT DESIGNATED BY OWNER OR ENGINEER IN FIELD.

ALL EQUIPMENT & SYSTEM IDENTIFICATION NOMENCLATURE SHOWN ON DRAWINGS OR LISTED HEREIN IS SHOWN FOR GENERAL DESIGN AND INSTALLATION REFERENCE ONLY. THE ACTUAL NAMEPLATE, ETC. NOMENCLATURE FOR THIS PROJECT SHALL BE VERIFIED BY ELECTRICAL CONTRACTOR IN FIELD PRIOR TO FABRICATION AND WHERE APPLICABLE, SHALL BE AN EXTENSION OF EXISTING NOMENCLATURE USED ON THE SITE AS DETERMINED IN FIELD BY ELECTRICAL CONTRACTOR.

IN ADDITION TO THE ABOVE, ALL LABELING FOR ALL ELECTRICAL WIRING WORK (FOR ALL SYSTEMS) SHALL BE 3M DCI NO. 054007-11954 "SWD" WRITE-ON TAPE DISPENSER KIT WITH FACTORY PROVIDED SPECIAL FAST DRYING MARKER INCLUDED WITH KIT. ALL MARKINGS SHALL BE CLEAR AND LEGIBLE.

AS DETERMINED IN FIELD, PROVIDE COLOR CODING FOR JUNCTION BOXES, PULL BOXES AND ASSOCIATED PLATES TO MATCH EXISTING BUILDING STANDARDS. THE FOLLOWING INSULATION COLOR CODE SHALL BE USED FOR SYSTEM AND VOLTAGE IDENTIFICATION FOR FEEDER AND BRANCH CIRCUIT WIRING.

347/600V SYSTEM – BROWN, ORANGE, YELLOW & GRAY (NEUTRAL)
120/208V SYSTEM – BLACK, RED, BLUE & GRAY (NEUTRAL)
EQUIPMENT GROUNDING – GREEN
SYSTEMS – TO MATCH EXISTING – VERIFY IN FIELD.

8. GROUNDING

ALL METALLIC CONDUIT, SURFACE WIREWAYS, SUPPORTS, CABINET AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE LATEST ISSUE OF THE C.E.C. AND AS SHOWN ON PLANS. THE GROUND TERMINALS OF RECEPTACLES SHALL BE CONNECTED TO THE EQUIPMENT GROUND BUS OF THE SOURCE BRANCH CIRCUIT PANELBOARD. ALL GROUNDING CONDUCTORS SHALL BE PROTECTED FROM MECHANICAL INJURY. ALL CONNECTIONS TO EQUIPMENT OR CONDUIT SHALL BE MADE WITH AN APPROVED CONDUCTOR AND SAME SHALL BE BOLTED OR CLAMPED TO EQUIPMENT AND CONDUIT. ALL CONTACT SURFACES SHALL BE THOROUGHLY CLEANED AND BRIGHT BEFORE CONNECTIONS TO INSURE A GOOD METAL CONTACT.

ALL NEW FEEDERS AND BRANCH CIRCUITING INSTALLED UNDER THIS CONTRACT SHALL BE PROVIDED WITH EQUIPMENT GROUNDING CONDUCTORS SIZED AND INSTALLED IN ACCORDANCE WITH LATEST ISSUE OF THE C.E.C. AND AS SHOWN ON PLANS.

9. CONDUIT AND FITTINGS

ALL WIRING FOR DIFFERENT POWER VOLTAGES SHALL BE INSTALLED IN RACEWAY SYSTEMS SEPARATE FROM EACH OTHER (I.E. 24V SEPARATE FROM 120/208V). ONLY VOICE AND DATA CABLES MAY SHARE RACEWAYS.

ALL WIRING SHALL BE RUN IN CONDUIT. THIN WALL EMT CONDUIT SHALL BE USED, SIZES 3/4" (MINIMUM) THROUGH 2-1/2". ALL CONDUITS LARGER THAN 2-1/2" SHALL BE HEAVYWALL. CONDUITS INSTALLED UNDERGROUND OR IN CONCRETE SLABS SHALL BE PVC JACKETED FLEXIBLE STEEL CONDUIT. SEALTITE SHALL BE USED IN WET AREAS AND ON ALL MOTORIZED EQUIPMENT. FLEXIBLE CONDUIT MAY ONLY BE USED FOR FINAL CONNECTIONS. NO BX, ROMEX, ARMORED CABLE, ETC. SHALL BE ALLOWED. ALL VISIBLE CONDUIT SHALL BE RIGID. ALL FITTINGS FOR SAME SHALL BE SET SCREW TYPE STEEL, WITH INSULATED THROATS. ALL WIRING OF ALL SYSTEMS SHALL BE INSTALLED IN CONDUIT UNLESS SPECIFICALLY INDICATED OTHERWISE HEREIN OR ON DRAWINGS.

EXPOSED CONDUIT SHALL BE SECURELY SUPPORTED IN PLACE PER CODE BUT ON A MAXIMUM OF 10 FOOT INTERVALS, WITHIN THREE FEET OF EACH BEND, AT EVERY OUTLET OR JUNCTION BOX AND AT THE END OF EACH STRAIGHT RUN TERMINATING AT A BOX OR CABINET. CONDUIT SHALL NOT BE SUPPORTED FROM DUCTWORK OR PIPE WORK. CONDUITS SHALL BE RUN PARALLEL TO AND AT RIGHT ANGLES TO THE BUILDING LINES. GENERALLY, CONDUIT SHALL BE RUN IN CONTACT WITH STRUCTURAL PARTS OF THE BUILDING SO AS TO AVOID SUSPENDED LENGTHS OF CONDUIT. CONDUIT SHALL BE INSTALLED AS TO BE ACCESSIBLE FOR REPLACEMENT AND MAINTENANCE AND GENERALLY, CONDUIT SHALL BE INSTALLED TO PERMIT DRAINAGE.

CONDUIT RUNS EXCEEDING 100 FEET IN LENGTH OR HAVING IN EXCESS OF THREE 90 DEGREE TURNS SHALL BE PROVIDED WITH PULL BOXES. CONDUIT FILL SHALL NOT EXCEED 30 PERCENT. ALL CONDUIT SYSTEMS (INCLUDING J.B.'S, P.B.'S, ETC.) SHALL BE PERMANENTLY IDENTIFIED. NEW BRANCH CIRCUIT HOME-RUN CONDUITS SHALL BE NO LARGER THAN 1-1/4" DIAMETER. CONDUIT FILL SHALL NOT EXCEED CEC REQUIREMENTS.

CONDUIT SHALL BE CLEANED INSIDE BEFORE ANY WIRES ARE PULLED. CONDUIT ENDS SHALL BE CAPPED AND PLUGGED WITH STANDARD ACCESSORIES AS SOON AS CONDUIT HAS BEEN PERMANENTLY INSTALLED. CONDUIT INSTALLED WITHOUT CONDUCTORS SHALL BE PROVIDED WITH SWEEP BENDS AND BALING WIRE FOR PULLING.

ALL JOINTS SHALL BE MADE TIGHT WITH WATERTIGHT COUPLINGS MATCHING CONDUIT AND ALL CORNERS SHALL BE MAKE WITH LONG RADIUS. THE ENDS OF ALL CONDUITS SHALL BE CUT SQUARE AND REAMED AND ALL JOINTS BROUGHT TO A SHOULDER. CONDUIT SHALL BE CONTINUOUS BETWEEN OUTLETS TO MAKE A COMPLETE INSTALLATION AND TO EFFECT A CONTINUOUS GROUND. SUITABLE SUPPORTS AND FASTENING SHALL BE PROVIDED FOR CONDUIT.

CONDUIT SHALL BE SUPPORTED BY APPROVED STRAPS, FASTENERS AND HANGERS. HANGERS SHALL BE SUSPENDED FROM RODS. PERFORATED STRAPS WILL NOT BE ACCEPTABLE. FASTENERS SHALL BE LEAD EXPANSION SHIELDS IN BLOCK OR CONCRETE, TOGGLE BOLTS IN HOLLOW WALLS, MACHINE SCREWS ON METAL SURFACES AND WOOD SCREWS ON WOOD CONSTRUCTION. ALL CONDUIT SHALL BE SUPPORTED INDEPENDENTLY FROM ALL OTHER BUILDING SYSTEMS AND SHALL BE SUPPORTED DIRECTLY FROM STRUCTURAL COMPONENTS.

PROVIDE SLEEVES FOR ALL FIRE WALL AND SMOKE PARTITION PENETRATIONS (SEALED ACCORDINGLY). ALL RACEWAYS SHALL BE ENTIRELY FREE OF PLASTER, MORTAR, WATER AND OTHER FOREIGN MATTER. RACEWAYS INSTALLED UNDER THIS CONTRACT WITHOUT CONDUCTORS SHALL HAVE BALING WIRE LEFT IN RACEWAYS FROM OUTLET TO OUTLET FOR FUTURE PULLING OF CONDUCTORS. RACEWAYS OPEN ENDS SHALL BE PLUGGED OR CAPPED IN AN APPROVED MANNER.

WHERE "FISHING" THROUGH EXISTING HOLLOW PARTITIONS IS MANDATORY, USE MINIMUM 3/4" "GREENFIELD" (STEEL) FOR LOW VOLTAGE CABLING AND METAL-CLAD/ARMORED CABLE (LISTED FOR USE IN HEALTH CARE FACILITIES) FOR POWER. OTHERWISE TYPE MC/AC CABLE MAY ONLY BE USED FOR 6' FIXTURE WHIPS, UNLESS CASE-BY-CASE PERMISSION IS GRANTED BY ENGINEER AND OWNER.

10. METHOD OF WIRING – POWER

A GROUNDED CONDUCTOR (NEUTRAL) SHALL BE INSTALLED WITHIN EACH JBOX INTENDED FOR THE INSTALLATION OF A LIGHTING CONTROL DEVICE (TOGGLE SWITCH, DIMMER, OCCUPANCY SENSOR, PHOTOCELL, ETC). CURRENT OR FUTURE DEVICES MAY REQUIRE LINE-TO-NEUTRAL VOLTAGE TO OPERATE THE ELECTRONICS OF THE DEVICE IN STANDBY MODE. ELECTRONIC CONTROL DEVICES SHALL NOT INTRODUCE CURRENT ON THE EQUIPMENT GROUNDING CONDUCTOR DURING NORMAL OPERATION.

NEATLY DRESS ALL WORK. INSTALL ALL WORK PARALLEL AND PERPENDICULAR TO SURFACES OR EXPOSED STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS, WHERE POSSIBLE. KEEP CONDUCTOR SPLICES TO MINIMUM. INSTALL SPLICE AND TAP CONNECTORS WHICH POSSESS EQUIVALENT OR BETTER MECHANICAL STRENGTH AND INSULATION RATING THAN CONDUCTORS BEING SPLICED. USE SPLICE AND TAP CONNECTORS WHICH ARE COMPATIBLE WITH CONDUCTOR MATERIAL. ALL WIRES SHALL BE RUN CONTINUOUS FROM OUTLET TO OUTLET/FIXTURE TO FIXTURE. INSULATION VALUE OF JOINTS TO BE 100% IN EXCESS OF WIRE. PROVIDE ADEQUATE LENGTH OF CONDUCTORS WITHIN ELECTRICAL ENCLOSURES AND TRAIN THE CONDUCTORS TO TERMINAL POINTS WITH NO EXCESS. BUNDLE MULTIPLE CONDUCTORS, WITH CONDUCTORS LARGER THAN NO 10 AWG CABLED IN INDIVIDUAL CIRCUITS. MAKE TERMINATIONS SO THERE IS NO BARE CONDUCTOR AT THE TERMINAL.

BRANCH SUBFEEDER CIRCUITS SHALL BE INSTALLED AS SHOWN ON THE FLOOR PLANS. WHERE OUTLETS ARE INDICATED BY LETTERS ON PLANS, THEY SHALL BE CONTROLLED BY CORRESPONDING SWITCHES. NO WIRE SIZE SMALLER THAN NO. 12 SHALL BE USED FOR ANY BRANCH CIRCUIT UNLESS OTHERWISE NOTED ON PLANS FOR CONTROL CIRCUITS. LARGER SIZES SHALL BE USED WHERE REQUIRED AND/OR INDICATED ON THE PLANS. DISTANCES FROM PANEL TO FIRST OUTLET OF A 15 OR 20 AMPERE BRANCH CIRCUIT SHALL REQUIRE THE FOLLOWING MINIMUM WIRE SIZE TO THE FIRST OUTLET.

UP TO 100 FEET: #12
100 TO 200 FEET: #10
MORE THAN 200 FEET: # 8

ALL BRANCH CIRCUITS MORE THAN 200 FEET IN LENGTH SHALL BE MINIMUM NO. 10 TO THE LAST OUTLET. CONTROL CIRCUITS SHALL BE NO. 14 EXCEPT FOR RUNS EXCEEDING 300 FEET WHERE THEY SHALL BE NO. 12. OUTLETS SHALL BE LOCATED APPROXIMATELY AS SHOWN ON THE PLANS AND SHALL BE WIRED TO PROVIDE CONTROL OF OUTLETS INDICATED. ALL WIRES OF ANY ONE CIRCUIT SHALL BE RUN IN THE SAME CONDUIT.

ALL WIRES SHALL BE RUN CONTINUOUS FROM OUTLET TO OUTLET. INSULATION VALUE OF JOINTS TO BE 100% IN EXCESS OF WIRE. MECHANICAL WIRE SPLICERS SHALL BE SCOTCHLOCK INSULATED TYPE, T&B STAKON OR APPROVED EQUAL. THE CONDUCTORS TERMINATING AT EACH WIRED OUTLET SHALL BE LEFT NOT LESS THAN 8" LONG AT THEIR OUTLET FITTINGS TO FACILITATE INSTALLMENT OF DEVICES OF FIXTURES. FRICTION AND RUBBER TAPE CONFORM TO FEDERAL SPECIFICATIONS HH-T-11 AND HH-T-111. PLASTIC ELECTRICAL TAPE SHALL BE SCOTCH #33+ OR APPROVED EQUAL.

TYPE MC CABLE SHALL BE FORMED FROM CONTINUOUS LENGTH OF SPIRALLY WOUND, INTERLOCKED ZINC-COATED OR GALVANIZED (INSIDE & OUTSIDE) STRIP STEEL. ALL CONDUCTORS SHALL BE RATED FOR 90 DEG. C. MINIMUM. PROVIDE WITH FULL PARITY SIZED GREEN INSULATED EQUIPMENT GROUND CONDUCTOR. PROVIDE COMPATIBLE STEEL FITTINGS WITH INTEGRAL RED PLASTIC INSULATED THROAT BUSHINGS, COMPLIANT WITH CEC. CABLES SHALL BE 90 DEG. C. RATED WITH ALL COMPONENTS AND FITTINGS LISTED FOR GROUNDING AND COMPLIANT WITH THE FOLLOWING.

A) UL STD.4 AND UL STD. 83.
b) ANSI E119 AND E814.
c) CEC.

TYPE MC CABLE MAY BE UTILIZED ONLY IF CEC APPROVED AND IF APPROVED BY LOCAL AUTHORITY HAVING JURISDICTION AND IF INCLUDED IN THE LIMITED APPLICATIONS DEFINED BELOW.

1) ALL NEW 15 OR 20 AMPERE BRANCH CIRCUIT WORK. THIS SHALL APPLY ONLY UNDER ALL OF THE FOLLOWING CIRCUMSTANCES AND CONDITIONS.

a) ONLY WHERE CONCEALED (ALL EXPOSED WIRING SHALL BE INSTALLED IN CONDUIT).

b) ROUTE ALL CABLES PERPENDICULAR AND PARALLEL TO THE BUILDING ARCHITECTURAL LINES/SURFACES/STRUCTURAL MEMBERS, KEEPING OFFSETS TO A MINIMUM AND FOLLOWING SURFACE CONTOURS WHERE POSSIBLE. MAINTAIN A UNIFORM ELEVATION FOR ALL CABLE RUNS WHEREVER POSSIBLE. ALL CABLES SHALL BE SUPPORTED/ANCHORED AT MAXIMUM 4 FOOT INTERVALS AND WITHIN 12" OF BOX OR OUTLET AND SHALL NOT SAG. INSTALL CABLES IN A MANNER THAT PREVENTS OVERHEATING. CABLES SHALL BE FASTENED DIRECTLY TO THE STRUCTURE USING FACTORY CLAMPS/CLIPS SPECIFICALLY DESIGNED FOR THE RESPECTIVE CABLE (CADDY OR EQUAL).

c) ONLY WHERE INSTALLED FOR NORMAL UTILITY CIRCUITS; ALL WIRING FOR EMERGENCY SYSTEM FEEDERS AND RECEPTACLE BRANCH CIRCUITS SHALL BE IN CONDUIT (EMT), NO EXCEPTIONS.

11. COMMUNICATION TECHNOLOGY SYSTEMS

GENERAL

VOICE AND DATA CABLES SHALL BE INSTALLED IN "J-HOOK" STYLE PATHWAY WHERE INDICATED ON DRAWINGS. ALL OTHER WIRING/CABLES OF VOICE/DATA SYSTEMS AND ALL OTHER SYSTEMS SHALL BE INSTALLED IN CONDUIT, 3/4" MINIMUM. VERIFY ROUTE FOR "J-HOOK" WORK ABOVE CEILING IN FIELD IN ADVANCE WITH OWNER.

PROVIDE OUTLET BOXES AND CONDUIT STUBS FOR SYSTEMS AS INDICATED ON DRAWINGS. CONDUIT STUBS SHALL BE TURNED OUT IN JOIST SPACE AND, WHERE LOCATED IN AREAS WITH DRYWALL CEILINGS, SHALL BE EXTENDED TO THE NEAREST AREA WITH NO CEILING OR WITH ACOUSTICAL TILE CEILING. PROVIDE CONDUIT, BRIDLE RINGS AND RACEWAYS AS REQUIRED. ALL CONDUITS SHALL BE PROVIDED WITH SWEEP "L" 90'S AND INSULATED THROAT FITTINGS (OR BUSHINGS).

TYPICAL OUTLETS SHALL CONSIST OF A FLUSH WALL MOUNTED 4" SQUARE X 2-1/8" DEEP BOX WITH A DOUBLE GANG PLASTER RING. MAXIMUM CONDUIT FILL FOR NEW WORK SHALL BE 40%, BASED ON MANUFACTURE'S PUBLISHED DATA OF CABLE OUTSIDE DIAMETER.

CABLE, TERMINATIONS, JACKS, LABELING, HARDWARE, SHALL BE PROVIDED BY A CERTIFIED COMMUNICATION TECHNOLOGY CONTRACTOR. CABLING SYSTEM SHALL BE PROVIDED AS REQUIRED FOR A TURNKEY, COMPLETE WORKING SYSTEMS.

DETERMINE EXACT LOCATIONS OF COMMUNICATION TECHNOLOGY EQUIPMENT, EQUIPMENT OUTLETS, ETC. IN FIELD. USE CAUTION NOT TO EXCEED THE ALLOWED BENDING RADIUS FOR RESPECTIVE CABLES AND NOT TO COMPROMISE THE INTEGRITY OF THE CABLES DURING INSTALLATION BY PULLING TIE-WRAPS TOO TIGHTLY, DAMAGING CABLES, ETC. RACEWAY/CABLING BENDING RADII SHALL BE MINIMUM AS DIRECTED BY CABLE MANUFACTURER. USE PULLING COMPOUND OR LUBRICANT, WHERE NECESSARY; COMPOUND MUST NOT DETERIORATE CONDUCTOR OR INSULATION. NEATLY DRESS ALL CABLE WORK. WORK SHALL BE INSTALLED IN A MANNER WHICH RESULTS IN MAINTAINING A MINIMUM DISTANCE OF 24 INCHES FROM FEEDER/BRANCH CIRCUIT RACEWAYS AND FROM ANY BALLASTED LIGHTING FIXTURE.

PROVIDE COLOR CODED JACKETS TO IDENTIFY RUNS OF DIFFERENT SYSTEMS. NEATLY ROUTE CABLES PARALLEL AND PERPENDICULAR TO BUILDING ARCHITECTURAL LINES. GROUP CABLES BY SYSTEM TYPE WHEREVER POSSIBLE. VERIFY EXACT LOCATIONS OF TELEPHONE SWITCH, DATA SERVER(S), HEAD-END EQUIPMENT, EQUIPMENT OUTLETS, ETC. IN FIELD.

REVIEW ALL TERMINATION AND LABELING REQUIREMENTS WITH OWNER IN ADVANCE. ALL CABLE SHALL BE PROVIDED WITH PERMANENT ADHESIVE LABELING IDENTIFICATION BY THIS CONTRACTOR. PROVIDE TRANSPARENT ADHESIVE COVERINGS OVER EACH LABEL, WRAPPED AROUND THE LABELS AT LEAST TWO TIMES. THE LONG AXIS OF THE LABELS SHALL INSTALLED BE PARALLEL TO THE LONG AXIS OF THE RESPECTIVE CABLE ASSEMBLIES. LABELS SHALL BE APPROXIMATELY 1-1/2" LONG BY 3/8" HIGH.

INSTALL POWER CABLES IN A MANNER WHICH PREVENTS OVER-HEATING. OTHERWISE, WHEREVER POSSIBLE, BUNDLE CABLES OF THE SAME SYSTEM TOGETHER. ALSO PROVIDE COLOR CODED JACKETS, OR OTHER APPROVED LABELLING/IDENTIFICATION METHOD, TO IDENTIFY RUNS OF DIFFERENT SYSTEMS.

ALL CABLES WHICH ARE NOT ROUTED IN CONDUIT SHALL BE NEATLY BUNDLED, SECURED AT FOUR FOOT INTERVALS AND IDENTIFIED AT TEN FOOT INTERVALS. WHEREVER POSSIBLE, BUNDLE CABLES OF THE SAME SYSTEM TOGETHER. PROVIDE ADDITIONAL WALL OUTLET BOXES AND ADDITIONAL WHIPS AS/IF REQUIRED AT SYSTEMS FURNITURE TO ACHIEVE SAME.

"J-HOOK" PATHWAYS

CABLE DISTRIBUTION BRIDLE RINGS SHALL BE EQUAL TO CADDY #4BRT64 OR MONO-SYSTEMS INC. "THE HOOK" (MINIMUM 4" DIAMETER OR 4" SQUARE USABLE INTERNAL AREA) CONSTRUCTED OF ALUMINUM OR CORROSION RESISTANT STEEL WITH ROLLED EDGES OR EQUIVALENT TO PREVENT DAMAGE TO CABLE JACKETS AND INSULATION. PROVIDE SPLITS OR OPENINGS SO THAT CABLES CAN BE LAID IN THE RINGS RATHER THAN THREADED THROUGH. PROVIDE MAXIMUM 30% FILL (IN CROSS SECTION), BASED ON OUTSIDE DIAMETER OF CABLES. ACCORDINGLY, PROVIDE MULTIPLE SETS OF RINGS ALONG ANY ROUTES AS/IF REQUIRED.

PROVIDE RINGS AT FOUR FOOT INTERVALS AND AT ALL OFFSETS. ROUTE RINGS THROUGH CORRIDORS AND SIMILAR OPEN AREAS WHEREVER POSSIBLE TO MINIMIZE WALL PENETRATIONS. SECURELY ANCHOR (MECHANICAL – NOT ADHESIVE) ALL RINGS DIRECTLY TO STRUCTURAL COMPONENTS OF THE BUILDING. RINGS SHALL NOT BE ANCHORED TO DUCTWORK, CONDUIT, PIPING, FIXTURES, EQUIPMENT, CEILING SUPPORTS, ETC. ALL RINGS SHALL BE FULLY AND READILY ACCESSIBLE AFTER INSTALLATION. NEATLY ROUTE BRIDLE RING PATHS PARALLEL AND PERPENDICULAR TO BUILDING ARCHITECTURAL LINES AND AT A CONSISTENT ELEVATION WHEREVER POSSIBLE.

ROUTE ALL BRIDLE RING PATHS AND CABLES PERPENDICULAR AND PARALLEL TO THE BUILDING ARCHITECTURAL LINES, KEEPING OFFSETS TO A MINIMUM. INSTALL BRIDLE RINGS IN A UNIFORM PLANE/ELEVATION WHEREVER POSSIBLE, KEEPING VERTICAL OFFSETS TO AN ABSOLUTE MINIMUM. PRIOR TO INSTALLATION, SUBMIT SCALED COORDINATION DRAWINGS SHOWING ALL PROPOSED ROUTING AND RING LOCATIONS FOR REVIEW BY OWNER. KEEP OFFSETS TO AN ABSOLUTE MINIMUM. BRIDLE RING PATHS SHALL BE ROUTED SO THAT A MINIMUM OF 24" EXISTS BETWEEN ANY CABLES AND ANY EMI SOURCE SUCH AS BALLASTS, MOTORS, POWER WIRING, ETC.

12. OUTLET, JUNCTION AND SWITCHBOXES

GANG TYPE OUTLET BOXES SHALL NOT BE USED. THE OUTLET BOX LOCATIONS INDICATED ON DRAWINGS SHALL BE CONSIDERED APPROXIMATE, AND THEREFORE, IT SHALL BE INCUMBENT UPON THIS CONTRACTOR TO STUDY THE GENERAL CONSTRUCTION WITH RELATION TO SPACES AND EQUIPMENT SURROUNDING EACH OUTLET. ALL OUTLET, SWITCH AND JUNCTION BOXES SHALL BE MADE OF CODE GALVANIZED STEEL COMPLETE WITH RINGS AND SCREW COVER PLATES AND LOCATED WHERE SHOWN AND NOTED ON DRAWINGS. WHERE CONDUIT IS CONCEALED, BOXES SHALL NOT BE LESS THAN 4" SQUARE X 1-1/2" DEEP. ALL BOXES SHALL BE EQUIPPED WITH PROPER COVERS TO BRING FLUSH WITH FINISHED WALL SURFACE.

WHERE OUTLET BOXES OCCUR IN BLOCK, CINDER, OR CONCRETE BLOCK, FACING TILE OR OTHER MATERIAL WHERE SUCH MATERIALS FORM THE FINISHED WALL SURFACE, THE OPENING FOR THE BOX SHALL BE CUT NEATLY AND OF THE SIZE THAT THE COVER PLATE WILL COVER ALL PARTS OF THE OPENING. CONDUIT SHALL BE USED ON EXPOSED RACEWAYS. IN GENERAL, JUNCTION BOXES SHALL BE FURNISHED AND REQUIRED BY THE NATIONAL ELECTRIC CODE, OF THE PROPER SIZES, AND SHALL BE CONSTRUCTED OF #12 GAUGE STEEL WITH REMOVABLE FRONT FASTENED ON WITH COUNTER SUNK HEAD SCREWS OR OTHER APPROVED MEANS. FOR SPECIAL APPLICATION, JUNCTION BOXES SHALL BE NOTED, DETAILED AND/OR SIZED ON THE DRAWINGS OR IN THE FIELD AS REQUIRED.

WHERE DRYWALL CEILINGS ARE USED, THE ELECTRICAL CONTRACTOR SHALL NOT INSTALL JUNCTION BOXES ABOVE THE CEILING IN INACCESSIBLE LOCATIONS. FIELD COORDINATE WITH THE CONSTRUCTION MANAGER PRIOR TO ROUGH-IN TO AVOID ANY CONFLICTS. JUNCTION BOXES ABOVE LAY-IN CEILINGS ARE ACCEPTABLE.

13. HEIGHT OF BOXES

PRIOR TO ROUGH-IN, VERIFY ALL BOX/DEVICE MOUNTING HEIGHTS AND LOCATIONS IN FIELD WITH OWNER'S REPRESENTATIVE RELATIVE TO EQUIPMENT BEING SERVED AND RELATIVE TO EXISTING CONDITIONS WHERE APPLICABLE. IN GENERAL, WHERE NOT LOCATED AT COUNTER AREAS, THE HEIGHT OF BOXES FROM FINISHED FLOOR TO CENTER OF BOXES SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON PLANS:

SWITCHES	4'0"	RECEPTACLES	1'3"
TELEPHONE OUTLETS (WALL PHONE)	4'0"	TELEPHONE OUTLETS (DESK PHONE)	1'3"
FIRE ALARM MANUAL PULL STATIONS	4'0"	DATA CABLE OUTLETS	1'3"
FIRE ALARM A/V ALARMS	6'8"		
DEVICES AT SPECIAL HEIGHTS	AS DIRECTED IN FIELD.		

14. WIRE AND CABLE

FURNISH AND INSTALL ALL NECESSARY CABLE OF THE SIZE AND TYPE INDICATED ON THE DRAWINGS OR SPECIFIED HEREINAFTER. ALL WIRE SHALL BE COPPER. ALL WIRING SHALL BE NEW. NO WIRE SMALLER THAN #12 AWG SHALL BE INSTALLED UNLESS SPECIFICALLY DESIGNATED. USE OF #14 COLOR CODED WIRE WILL BE ALLOWED FOR CONTROL CIRCUITS ONLY. ALL WIRING SHALL BE IN CONDUIT UNLESS SPECIFICALLY INDICATED OTHERWISE HEREIN. ALL CONDUCTORS SHALL BE COPPER. PROVIDE STRANDED CONDUCTORS FOR ALL SIZES UNLESS INDICATED OTHERWISE.

PROVIDE THHN/THWN INSULATION FOR ALL CONDUCTORS SIZE 500 MCM (KCMIL) AND LARGER, AND NO. 8 AWG AND SMALLER. FOR ALL OTHER SIZES PROVIDE THW OR THHN/THWN INSULATION AS APPROPRIATE FOR THE LOCATIONS WHERE INSTALLED. PROVIDE COLOR CODED INSULATION/JACKET FOR PHASE IDENTIFICATION. ALL WIRES SHALL BE RATED AT 600 VOLTS.

PROVIDE TYPE XHHW-2 INSULATION FOR ALL WIRING SUBJECT TO MOISTURE, FOR ALL WIRING BELOW GRADE AND FOR ALL WIRING FED FROM ISOLATED POWER SYSTEMS.

KEEP CONDUCTOR SPLICES TO MINIMUM. PULL CONDUCTORS SIMULTANEOUSLY WHERE MORE THAN ONE IS BEING INSTALLED IN SAME RACEWAY. USE UL LISTED PULLING COMPOUND OR LUBRICANT, WHERE NECESSARY. INSTALL SPLICE AND TAP CONNECTORS WHICH POSSESS EQUIVALENT OR BETTER MECHANICAL STRENGTH AND INSULATION RATING THAN CONDUCTORS BEING SPLICED. USE SPLICE AND TAP CONNECTORS WHICH ARE COMPATIBLE WITH CONDUCTOR MATERIAL. INCREASE WIRE SIZES PER CEC TO OFFSET VOLTAGE DROP AS/IF REQUIRED.

15. WIRING DEVICES

DEVICE COLORS:

DEVICES SHALL BE BLACK UNLESS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS..

SPECIFICATION GRADE RECEPTACLES:

DUPLEX 120VRECEPTACLES SHALL BE EQUAL TO LEVITON #5362 SERIES (NEMA 5-20R).

DUPLEX 120V RECEPTACLES SHALL BE EQUAL TO LEVITON #5362 SERIES (NEMA 5-20R).

GROUND FAULT CIRCUIT INTERRUPTER DUPLEX 120V RECEPTACLES SHALL BE EQUAL TO LEVITON #8899 SERIES (NEMA 5-20R).

DUPLEX ISOLATED GROUND 120V RECEPTACLES SHALL BE EQUAL TO LEVITON #5362-IG. SINGLE ISOLATED GROUND 120V RECEPTACLES SHALL BE EQUAL TO LEVITON #5361-IG (NEMA 5-20R).

SPECIAL PURPOSE RECEPTACLES SHALL BE OF THE SIZE, TYPE AND MANUFACTURER AS INDICATED ON THE PLANS OR AS DETERMINED IN FIELD.

SWITCHES:

SINGLE POLE 120/347 SWITCHES SHALL BE EQUAL TO LEVITON #1221-2 SERIES. PILOT LIGHT SWITCHES SHALL BE EQUAL TO 1221-PL

DOUBLE-POLE 120/347 SWITCHES SHALL BE EQUAL TO LEVITON #1222-2 SERIES; PILOT LIGHT SWITCHES SHALL BE EQUAL TO 1222-PL

3-WAY 120/347 SWITCHES SHALL BE EQUAL TO LEVITON #1223-2 SERIES; PILOT LIGHT SWITCHES SHALL BE EQUAL TO 1223-PL

OCCUPANCY SENSOR DEVICES SHALL BE AS SPECIFIED IN CONTRACT DOCUMENTS.

WALL PLATES:

PROVIDE WALLPLATES WITH ENGRAVED LEGENDS WHERE INDICATED ON DRAWINGS AND/OR WHERE REQUIRED PER ELECTRICAL IDENTIFICATION SECTION. ALL DEVICE WALLPLATES SHALL BE STANDARD SIZE; "MIDWAY", "OVERSIZED" ("JUMBO") OR "EXTRA DEEP" WALLPLATES SHALL NOT BE ACCEPTABLE. CONSTRUCT WITH METAL SCREWS FOR SECURING PLATES TO DEVICES; SCREW HEADS COLORED TO MATCH FINISH OF PLATES. WALLPLATES COLOR TO MATCH DEVICE, WITH BEVELED EDGES, EQUAL TO LEVITON COMMERCIAL SPECIFICATION GRADE NYLON UNLESS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS.

16. SUPPORTS, INSERTS, CUTTING AND PATCHING

THIS CONTRACTOR SHALL DO ALL CUTTING AND PATCHING REQUIRED FOR THE ADMISSION OF HIS WORK. ANY DAMAGE DONE BY THIS CONTRACTOR TO THE BUILDING DURING THE PROGRESS OF HIS WORK SHALL BE MADE GOOD AT HIS OWN EXPENSE. ALL PATCHING SHALL BE DONE BY A SKILLED CRAFTSMAN IN THAT RESPECTIVE TRADE. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO SUPERVISE THE INSTALLATION OF, AND PAY FOR ALL ADDITIONAL MEMBERS, WOOD OR METAL AND LABOR WHICH MAY BE REQUIRED TO SUPPORT ANY TYPE OF PERMANENT OR TEMPORARY ELECTRICAL APPARATUS EMPLOYED IN THE EXECUTION OF THIS CONTRACTOR'S WORK.

SEAL ALL NEW FLOOR, CEILING, WALL, SLAB, ETC. PENETRATIONS TO MATCH OR EXCEED EXISTING/NEW ASSEMBLY FIRE RATINGS. PROVIDE SLEEVE SEALS FOR ALL SLEEVES; PROVIDE SLEEVES FOR ALL PENETRATIONS. VERIFY REQUIREMENTS IN FIELD. ALL PENETRATIONS OF FIRE-RATED OR SMOKE-RATED WALLS, FLOORS, CEILINGS, ETC. SHALL BE SEALED IMMEDIATELY AFTER RACEWAYS ARE INSTALLED. ALL NEW ELECTRICALLY RELATED WORK SHALL BE SUPPORTED DIRECTLY FROM BUILDING STRUCTURAL MEMBERS. NEW ELECTRICALLY RELATED WORK SHALL NOT BE SUPPORTED FROM DUCTWORK, DUCTWORK HANGERS, CEILING SUPPORTS, EXISTING CONDUIT SUPPORTS, ETC. ALL CONDUITS (AND CABLE ASSEMBLIES, WHERE APPLICABLE) SHALL BE ROUTED PARALLEL TO BUILDING STRUCTURAL MEMBERS. ANY AND ALL NONCOMPLIANT WORK INSTALLED BY THE ELECTRICAL CONTRACTOR SHALL BE REMOVED AND REINSTALLED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AND THE ENGINEER, AT THE EXPENSE OF THE ELECTRICAL CONTRACTOR.

17. LIGHTING FIXTURES

ALL SURFACE MOUNTED BALLASTED FIXTURES SHALL BE MOUNTED WITH AIR SPACES BETWEEN FIXTURE AND SURFACE PER LATEST EDITION OF NFPA/CEC. ALL RECESSED FIXTURES SHALL BE EQUIPPED WITH NECESSARY PLASTER FRAMES AND SURFACE TRIM. ALL RECESSED FLUORESCENT FIXTURES SHALL BE EQUIPPED AND SUITABLY CONSTRUCTED TO OPERATE WITH "P" RATED BALLASTS. ALL RECESS MOUNTED INCANDESCENT AND H.I.D. FIXTURES SHALL HAVE UL APPROVED THERMAL PROTECTION PER LATEST EDITION OF NFPA/CEC. ALL JUNCTION BOXES AND SERVICEABLE COMPONENTS (BALLASTS, THERMAL PROTECTION DEVICES, FUSES, ETC.) FOR RECESSED FIXTURES SHALL BE READILY ACCESSIBLE FOR SERVICE OR REPLACEMENT FROM BELOW THE CEILING, WITHOUT REMOVING ANY CEILING COMPONENTS (OTHER THAN TILES).

WHERE PLASTER FRAMES ARE INFERRED FOR LIGHTING FIXTURES (EITHER BY NARRATIVE OR BY CATALOG NUMBER OR BY APPLICATION) THE ACTUAL FUNCTION SHALL BE TAKEN TO MEAN FOR MOUNTING WITHIN GYPSUM BOARD OR SIMILAR TYPE CEILING SYSTEM (I.E. NOT WITHIN WET PLASTER CEILING SYSTEM).

ALL LIGHTING FIXTURES UTILIZED FOR EMERGENCY EGRESS LIGHTING SHALL BE CONNECTED AHEAD OF SWITCHING. ALL BALLASTS OF THE SAME TYPE SHALL BE OF THE SAME MANUFACTURER AND CATALOG NUMBER. ALL LAMPS OF THE SAME TYPE SHALL BE OF THE SAME MANUFACTURER AND CATALOG NUMBER.

PROVIDE LOW ENERGY SOLID STATE RAPID START ELECTRONIC FLUORESCENT LAMP BALLASTS (LESS THAN OR EQUAL TO 20% THD) SPECIFICALLY DESIGNED FOR OPERATING LAMP TYPES INDICATED. FLUORESCENT BALLASTS SHALL BE MOTOROLA OR ADVANCE EQUAL.

ALL FIXTURES SHOWN ON DRAWINGS WITH MULTI-LEVEL SWITCHING SHALL BE PROVIDED WITH MULTIPLE BALLASTS TO ACCOMMODATE SAME. ALL OTHER FIXTURES MAY CONTAIN EITHER SINGLE BALLASTS OR MULTIPLE BALLASTS AS REQUIRED TO FULFILL REQUIRED FUNCTION AND AS REQUIRED TO COMPLY WITH CONSTRUCTION SCHEDULE.

INCANDESCENT LAMPS SHALL BE SYLVANIA OR PHILIPS, LONG LIFE TYPE (3000 HOURS). ALL INCANDESCENT LAMPS SHALL BE INSIDE FROSTED UNLESS SPECIFICALLY DIRECTED OTHERWISE. PROVIDE SOCKET ADAPTERS/EXTENDERS IF REQUIRED FOR ACCOMMODATING THE SPECIFIED LAMP.

FLUORESCENT LAMP COLOR TEMPERATURE SHALL BE 3500K (VERIFY).

COMPACT FLUORESCENT TWIN TUBE/DUAL TWIN TUBE LAMPS SHALL BE OSRAM OR PHILIPS, 82 CRI, MINIMUM 10,000 HOURS RATED. LONG FLUORESCENT TWIN TUBE LAMPS SHALL BE OSRAM OR PHILIPS, 82 CRI, 3150 INITIAL LUMENS, MINIMUM 20,000 HOURS RATED.

F32T8 FLUORESCENT LAMPS SHALL BE RAPID START, ENERGY SAVING TYPE, MINIMUM 75 CRI, MINIMUM 2850 INITIAL LUMENS AND MINIMUM 20,000 HOURS RATED. LAMPS SHALL BE SYLVANIA, OSRAM OR PHILIPS, EQUAL TO SYLVANIA #FO32/RS.

ALL SURFACE AND RECESSED CEILING FIXTURES INSTALLED ON GRID OR TILE CEILINGS SHALL BE INSTALLED TO AGREE WITH MODULE OF CEILING EITHER DISPLACING A TILE, OR UNIT ON CENTER OF TILE, OR CENTERED ON GRID LINES.

PROVIDE FIXTURES AND/OR FIXTURE OUTLET BOXES WITH HANGERS TO PROPERLY SUPPORT FIXTURE WEIGHT. ALL LIGHTING FIXTURES INSTALLED IN OR ON SUSPENDED CEILING SYSTEMS SHALL BE ANCHORED DIRECTLY TO THE BUILDING STRUCTURAL SYSTEM ABOVE (ANCHORED PER CEC). SUCH ANCHORING SHALL BE INDEPENDENT OF THE CEILING SUPPORT SYSTEM. ALL FIXTURES SHALL BE INSTALLED PLUMB AND LEVEL. SUPPORT SURFACE MOUNTED FIXTURES GREATER THAN 2 FEET IN LENGTH AT A POINT IN ADDITION TO THE OUTLET BOX FIXTURE STUD.

REPLACE DEFECTIVE LAMPS FOR A PERIOD OF ONE YEAR FOLLOWING THE TIME OF SUBSTANTIAL COMPLETION. WHERE USED FOR TEMPORARY LIGHTING PRIOR TO TIME OF SUBSTANTIAL COMPLETION, REPLACE ALL INCANDESCENT LIGHTING FIXTURE LAMPS, AS WELL AS ANY LAMPS WHICH ARE DEFECTIVE, DAMAGED OR BURNED OUT.

FOR ALL EXISTING FIXTURES WHICH ARE SCHEDULED FOR REUSE, REMOVE FROM EXISTING CEILINGS DURING DEMOLITION; PROTECT DURING CONSTRUCTION; CLEAN, SERVICE (IF REQUIRED), RE-LAMP (WITH LAMPS TO MATCH BUILDING STANDARD OR PER THIS SECTION AS NOTED) AND REINSTALL AT LOCATIONS INDICATED.

FOR ALL EXISTING FIXTURES WHICH ARE SCHEDULED TO BE REMOVED AND TURNED OVER TO OWNER, THE FIXTURES SHALL BE DISCONNECTED, CAREFULLY REMOVED AND TURNED OVER TO OWNER. TRANSFER SUCH FIXTURES TO STORAGE AREA AS DIRECTED IN FIELD.

18. MECHANICAL EQUIPMENT

PROVIDE ALL CONDUIT AND OUTLET BOXES AS REQUIRED FOR ALL CONTROL WIRING AND THERMOSTATS. FURNISH AND INSTALL POWER WIRING AND MAKE LINE CONNECTIONS TO ALL HEATING, VENTILATING AND AIR CONDITIONING EQUIPMENT. ELECTRICAL CONTRACTOR SHALL EXAMINE THE APPROVED DRAWINGS OF ALL BRANCHES AND SHALL WIRE AND CONNECT ALL MOTORS, DISCONNECTS, CONTROL DEVICES AND OTHER ITEMS REQUIRING ELECTRICITY FOR OPERATION. THIS CONTRACTOR SHALL MAKE THE NECESSARY ELECTRICAL CONNECTIONS BETWEEN THE SPECIFIED EQUIPMENT AND THE JUNCTION BOX NEAR EQUIPMENT WITH FLEXIBLE METALLIC CONDUIT AND MATCHED CONNECTORS. NO FLEXIBLE CONDUIT SHALL BE EXPOSED IN FINISHED ROOMS. EACH MOTOR SHALL HAVE DISCONNECT SWITCH OR MANUAL STARTER INSTALLED BY THIS CONTRACTOR AHEAD OF MOTOR OR MOTOR MAGNETIC STARTER. THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONTROL AND INTERLOCK WIRING AS SPECIFICALLY INDICATED ON THE DRAWINGS. ALL OTHER CONTROL WIRING REQUIRED FOR OPERATION OF THE SYSTEMS SHALL BE PROVIDED BY THE HEATING CONTRACTOR.

19. ELECTRICAL DISTRIBUTION EQUIPMENT

DISCONNECTS, STARTERS & FUSES:

SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE EQUIPMENT OF ONE OF THE FOLLOWING (FOR EACH TYPE AND RATING):

SQUARE D CO.

DISCONNECT SWITCHES SHALL BE EQUAL TO SQUARE D TYPE HD. ALL SAFETY SWITCHES/DISCONNECTS SHALL BE HEAVY DUTY, SAFETY TYPE, QUICK MAKE AND QUICK BREAK AND EXTERNALLY OPERATED. UNLESS NOTED OTHERWISE ON DRAWINGS OR DIRECTED OTHERWISE IN FIELD, ALL DISCONNECT SWITCHES SHALL BE FUSED. UNLESS NOTED OTHERWISE ON DRAWINGS OR DIRECTED OTHERWISE IN FIELD, BRACE ALL DISCONNECT SWITCHES FOR 200,000 A.I.C. PROVIDE HEAVY-DUTY SWITCHES, WITH FUSES OF CLASSES AND CURRENT RATINGS INDICATED AND UL LISTED FOR USE AS SERVICE EQUIPMENT UNDER UL STANDARD 98 OR 869. SEE SECTION "FUSES" FOR SPECIFICATIONS. WHERE CURRENT LIMITING FUSES ARE INDICATED, PROVIDE SWITCHES WITH NON-INTERCHANGEABLE FEATURE SUITABLE ONLY FOR CURRENT LIMITING TYPE FUSES. INSTALL DISCONNECT SWITCHES WITHIN SIGHT OF CONTROLLER POSITION UNLESS OTHERWISE INDICATED.

EXCEPT AS OTHERWISE INDICATED, PROVIDE MOTOR STARTERS AND ANCILLARY COMPONENTS; OF TYPES, SIZES, RATINGS AND ELECTRICAL CHARACTERISTICS INDICATED, WHICH COMPLY WITH MANUFACTURER'S STANDARD MATERIALS, DESIGN AND CONSTRUCTION IN ACCORDANCE WITH PUBLISHED PRODUCT INFORMATION, AND AS REQUIRED FOR COMPLETE INSTALLATIONS. ALL STARTERS SHALL BE EQUIPPED WITH PILOT LIGHTS. ALL STARTERS SHALL BE SIZED ACCORDING TO LOAD BEING SERVED OR AS NOTED ON DRAWINGS, WHICHEVER REQUIREMENT IS LARGER. MANUAL AND MAGNETIC STARTERS THERMAL OVERLOAD ELEMENTS SHALL BE RATED BETWEEN 115% AND 125% FULL LOAD CURRENT OR AS CALLED FOR UNDER CEC. INSTALL AND CONNECT CAPACITORS FURNISHED BY HVAC CONTRACTORS AHEAD OF OVERLOADS WHERE APPLICABLE.

PROVIDE SINGLE-PHASE AC FRACTIONAL HP MANUAL MOTOR STARTERS, OF SIZES AND RATINGS REQUIRED. EQUIP WITH MANUALLY OPERATED QUICK-MAKE, QUICK-BREAK TOGGLE MECHANISMS; AND WITH ONE-PIECE MELTING ALLOY TYPE THERMAL UNITS. EQUIP WITH THERMAL OVERLOAD RELAY WITH FIELD ADJUSTMENT CAPABILITY OF PLUS OR MINUS 10% VARIATION OF NOMINAL OVERLOAD HEATER RATING, FOR PROTECTION OF FRACTIONAL HP MOTORS AS SHOWN ON DRAWINGS. STARTER SHALL BECOME INOPERATIVE WHEN THERMAL UNIT IS REMOVED. PROVIDE STARTERS WITH DOUBLE BREAK SILVER ALLOY CONTACTS, VISIBLE FROM BOTH SIDES OF STARTER; GREEN PILOT LIGHTS, AND SWITCH CAPABLE OF BEING PADLOCKED-OFF. MANUAL STARTERS SHALL BE EQUAL TO THE FOLLOWING.

MANUAL STARTER IN FINISHED AREAS:

SQUARE D #2510 FLUSH MOUNTED, 2-POLE TOGGLE SWITCH TYPE WITH NEON PILOT AND NEMA 1 TYPE B ENCLOSURE FOR FLUSH WALL INSTALLATION.

MANUAL STARTER FOR EXPOSED CONDUIT INSTALLATION:

SQUARE D #8536 SURFACE MOUNTED, 2-POLE TOGGLE SWITCH TYPE WITH NEON PILOT AND NEMA 1 TYPE FG-2P ENCLOSURE FOR SURFACE WALL INSTALLATION.

FUSES:

SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE FUSES OF ONE OF THE FOLLOWING. ALL FUSES SHALL BE OF THE SAME MANUFACTURER: BUSSMAN, LITTELFUSE.

EXCEPT AS OTHERWISE INDICATED, PROVIDE FUSES OF TYPES, SIZES, RATINGS, AND AVERAGE TIME-CURRENT AND PEAK LET-THROUGH CURRENT CHARACTERISTICS INDICATED, WHICH COMPLY WITH MANUFACTURER'S STANDARD DESIGN, MATERIALS, AND CONSTRUCTED IN ACCORDANCE WITH PUBLISHED PRODUCT INFORMATION, AND WITH INDUSTRY STANDARDS AND CONFIGURATIONS. FUSES 1 AMPERE THROUGH 600 AMPERES SHALL BE REJECTION TYPE. FUSES 601 AMPERES THROUGH 6000 AMPERES SHALL BE HI-CAP, BOLT TYPE.

PROVIDE FACTORY FUSE IDENTIFICATION LABELS, INSTALLED ON THE INSIDE OF THE DOOR OF EACH SWITCH INDICATING TYPE AND SIZE OF FUSES INSTALLED. FOR TYPES AND RATINGS REQUIRED, FURNISH ADDITIONAL FUSES, AMOUNTING TO 10 PERCENT OF FUSES SUPPLIED, BUT NOT LESS THAN ONE SET OF 3 OF EACH KIND.

EACH FUSE SHALL BE CLEARLY FACTORY MARKED WITH CLASSIFICATION, CHARACTERISTICS, AMPERE RATINGS, VOLTAGE RATINGS, ETC. FUSES SHALL NOT BE SHIPPED INSTALLED IN SWITCHES NOR SHALL THEY BE INSTALLED IN THE EQUIPMENT UNTIL THE EQUIPMENT UNTIL THE EQUIPMENT IS READY TO BE ENERGIZED. ALL FUSES SHALL BE OF THE SAME MANUFACTURER.

PRIOR TO INSTALLING FUSES FOR PROTECTION OF SPECIFIC EQUIPMENT, MOTORS, ETC., VERIFY RECOMMENDED FUSE SIZE/TYPE IN FIELD FROM RESPECTIVE EQUIPMENT MANUFACTURER. IF A CONFLICT IN FUSE SIZE/TYPE RESULTS BETWEEN MANUFACTURER'S RECOMMENDATIONS AND ABOVE SPECIFICATIONS, CONTACT ENGINEER. PROVIDE ALL REQUIRED FUSES UNDER BASE BID. INSTALL FUSES IN FUSED SWITCHES.

CONTACTORS & TIMECLOCKS:

LIGHTING CONTACTORS SHALL BE EQUAL TO SQUARE D "TYPE L" SERIES FOR NON-MOTOR LOADS (I.E. FOR TUNGSTEN & BALLAST LIGHTING AND RESISTANCE HEATING LOADS), ELECTRICALLY OPERATED, ELECTRICALLY HELD, IN NEMA 1 ENCLOSURE, WITH 120V COIL, 2 THROUGH 12-POLE VERSIONS AND CHARACTERISTICS AS INDICATED ON DRAWINGS OR AS REQUIRED. DRY CONTACTS SHALL BE RATED AT 30A, 208V OR 600V AS REQUIRED. VERIFY ALL COIL VOLTAGE RATINGS IN FIELD.

BASIC MULTI-PURPOSE TIME CLOCK SHALL BE EQUAL TO INTERMATIC #T103 24HR MECHANICAL DPST CONTROL OF LOADS UP TO 40A WITH 1 TO 12 ON/OFF OPERATIONS EACH DAY. FOR ENERGY CODE COMPLIANCE OR PER LANDLORD CRITERIA, USE TORK DTS400B TIME CLOCK THAT SHALL BE PROGRAMMABLE 365 DAY, 24 HOUR WITH OVERRIDE CONTROLS. UNIT SHALL BE 4 CHANNEL. PROVIDE ALL REQUIRED EXTERNAL CONTACTORS, RELAYS, ETC. TO RENDER THE CONTROL SYSTEMS FULLY OPERATIONAL. VERIFY ZONE CONTROL REQUIREMENTS IN FIELD PRIOR TO ROUGH-IN. PROVIDE BATTERY BACKUP EXTENDED POWER CARRYOVER. CUSTOM PROGRAMMING SHALL BE CONFIGURED AS SPECIFIED BELOW.

OPERATING HOURS SHALL BE SET AS FOLLOWS:
1. VERIFY WITH LANDLORD AND OWNER FOR EXACT SETTINGS

PANELBOARDS:

SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PANELBOARD PRODUCTS OF THE FOLLOWING (FOR EACH TYPE AND RATING OF PANELBOARD AND ENCLOSURE): SQUARE D COMPANY

PANELS SHALL BE DEAD FRONT, SAFETY TYPE, FURNISHED WITH BRANCH CIRCUIT PROTECTING DEVICES, EQUIPMENT GROUNDING BOX, MAIN BUS AND CABLE LUGS FACTORY ASSEMBLED, WITH ALL COMPONENTS IN PLACE, READY FOR INSTALLATION. CABINET SIZES ARE BASED UPON A 20" WIDE BY 6" DEEP PANEL UNLESS OTHERWISE NOTED. PANELBOARDS SHALL BE EQUIPPED WITH FLUSH TYPE LOCK AND CATCH. ALL LOCKS SHALL BE KEYED ALIKE, AND TWO KEYS ARE TO BE SUPPLIED WITH EACH LOCK.

PANELBOARDS SHALL BEAR UL LABELS FOR THEIR SPECIFIC APPLICATIONS. PANELBOARDS SHALL BE SUITABLE FOR SERVICE VOLTAGE WITH NUMBER OF BRANCH CIRCUITS OF CAPACITY SCHEDULED. UNLESS OTHERWISE INDICATED, PANELBOARDS AND SECTIONS THEREOF, IF ANY, SHALL HAVE MAIN LUGS ONLY OF CAPACITY EQUAL TO, OR GREATER THAN, THE RATING OR SETTING OF THE OVER THE CURRENT PROTECTIVE DEVICE NEXT BACK ON THE LINE. ALL CIRCUIT BREAKER PANELBOARD BUS ASSEMBLIES SHALL BE OF THE DISTRIBUTED (SEQUENCE) BUSSING TYPE THROUGHOUT, SO THAT ANY 2 ADJACENT SINGLE POLE BREAKERS AND/OR SPACES SHALL BE REPLACEABLE BY A 2 POLE INTERNAL COMMON TRIP BREAKER, AND ANY 3 ADJACENT SINGLE POLE BREAKERS AND/OR SPACES SHALL BE REPLACEABLE BY A 3 POLE INTERNAL COMMON TRIP BREAKER, 15 AMP THROUGH 70 AMP INCLUSIVE, WITHOUT DISTURBING ANY OTHER BREAKER. ALL PANELBOARDS SHALL BE UL LISTED AND LABELED FOR USE AS SERVICE ENTRANCE EQUIPMENT WHERE BEING USED AS SUCH.

DISTRIBUTION PANELS SHALL BE SQUARE D I-LINE.

600Y/347 VOLT HIGH VOLTAGE PANELS SHALL BE SQUARE D NF.

208Y/120V LIGHTING AND APPLIANCE PANELBOARDS SHALL BE EQUAL TO SQUARE D NQOD WITH BOLT-ON BRANCH BREAKERS.

ALL BUSSING SHALL BE COPPER. CURRENT CARRYING CONTACT SURFACES SHALL BE SILVER OR TIN PLATED. MAIN BUSES AND CONNECTORS SHALL BE HARD DRAWN COPPER OF 98% CONDUCTIVITY, WITH CURRENT CARRYING CAPACITY TO MAINTAIN ESTABLISHED RISE TESTS AS DEFINED IN UL STANDARD UL 67.

ALL BRANCH CIRCUIT BREAKERS SHALL BE FULL AMBIENT COMPENSATED THERMAL MAGNETIC MOLDED CASE WITH QUICK-MAKE AND QUICK-BREAK ACTION AND POSITIVE HANDLE TRIP INDICATION, BOTH ON MANUAL AND ON AUTOMATIC OPERATION. BREAKERS SHALL BE OF THE OVER-THE-CENTER TOGGLE OPERATING TYPE WITH THE HANDLE GOING TO A POSITION BETWEEN "ON" AND "OFF" TO INDICATE AUTOMATIC TRIPPING.

ALL CIRCUIT BREAKERS SHALL BE FULL SIZE. "TANDEM" OR "SPLIT" BREAKERS SHALL NOT BE PERMITTED. ALL MULTI-POLE BREAKERS SHALL HAVE INTERNAL COMMON TRIP WITH ALL LOAD SIDE BOX LUGS OF ONE BREAKER IN THE SAME GUTTER. ALL CIRCUIT BREAKERS SHALL HAVE SEALED CASES TO PREVENT TAMPERING. ALL 15 AND 20 AMPERE BRANCH CIRCUIT BREAKERS SHALL BE UL LISTED AS SWD (SWITCHING DUTY). ALL 15-70 AMPERE BRANCH CIRCUIT BREAKERS SHALL BE HACR TYPE. ALL GFI CIRCUIT BREAKERS SHALL BE UL CLASS A WITH MAXIMUM THRESHOLD OF 5 MA. ALL BRANCH CIRCUIT BREAKERS SERVING ALL BALLASTED (FLUORESCENT/HID) LIGHTING LOADS SHALL BE HID RATED. PROVIDE 20 (+/-) NON-PADLOCK TYPE BREAKER LOCK-ON DEVICES AND INSTALL ON BRANCH BREAKERS AS DIRECTED IN FIELD (NIGHT LIGHTS, COMPUTERS, SECURITY, ETC.). PROVIDE DETAILED TYPEWRITTEN SCHEDULES FOR ALL PANELBOARDS. CIRCUIT BREAKERS SHALL BE FURNISHED AS SCHEDULED ON THE DRAWINGS OR AS OTHERWISE REQUIRED BASED ON FIELD DETERMINATIONS.

PROVIDE ALL ELECTRICAL DISTRIBUTION RELATED EQUIPMENT WITH APPROPRIATELY BRACED BUSSING AND PROPERLY RATED BREAKERS, FUSES, ETC. FOR THE AVAILABLE FAULT CURRENTS.

IN EXISTING BUILDINGS WHERE FAULT CURRENT VALUES ARE NOT INDICATED ON DRAWINGS, COORDINATE WITH EXISTING "UPSTREAM" DISTRIBUTION EQUIPMENT PROVIDE EQUIPMENT AIC RATINGS TO MEET OR EXCEED SAME.

FILL OUT PANELBOARD'S CIRCUIT DIRECTORY CARD UPON COMPLETION OF INSTALLATION WORK. DIRECTORIES SHALL BE NEATLY TYPEWRITTEN. ALL PANELBOARD DIRECTORIES SHALL INCLUDE THE ACTUAL ROOM NAMES/NUMBERS THAT ARE SELECTED FOR INTERIOR SIGNAGE/DESIGNATION.

TRANSFORMERS:

POWER DISTRIBUTION TRANSFORMERS SHALL BE SQUARE D DRY TYPE WITH COPPER WINDINGS.
PROVIDE 4" HIGH CONCRETE HOUSEKEEPING PAD (WITH CHAMFERED EDGES) FOR ALL FLOOR MOUNTED TRANSFORMERS. INSTALL UNITS ON VIBRATION MOUNTS; COMPLY WITH MANUFACTURER'S INDICATED INSTALLATION METHOD.

DRY-TYPE TRANSFORMERS SHALL BE OF THE ENCLOSED VENTILATED TYPE WITH KVA AND VOLTAGE RATING AS CALLED FOR ON THE DRAWINGS AND WITH 150° CLASS H INSULATION AND MINIMUM OF SIX STANDARD FULL CAPACITY TAPS. SOUND LEVEL SHALL BE LOW AND INSTALLATION SHALL INCLUDE KORFUND OR EQUAL VIBRATION DAMPENING MOUNTS AND FLEXIBLE STEEL CONDUIT FOR PRIMARY AND SECONDARY. LOCATE TRANSFORMER AS NOT TO CAUSE SERVICING OR CLEARANCE DIFFICULTIES OF VIOLATIONS WITH OTHER EQUIPMENT.

20. FIRE ALARM WORK

IT SHALL BE THE RESPONSIBILITY OF THE FIRE ALARM SYSTEMS CONTRACTOR TO DESIGN AND INSTALL A COMPLETE SYSTEM AS REQUIRED. THE FIRE ALARM SYSTEMS CONTRACTOR SHALL OBTAIN ALL REQUIRED APPROVALS AND PERMITS FROM THE STATE FIRE MARSHALL'S OFFICE AND LOCAL AUTHORITY HAVING JURISDICTION FOR APPROVAL.

FOR THE PURPOSE OF TRADE COORDINATION, THE FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE TO THE ELECTRICAL CONTRACTOR A COMPLETE SET OF PLAN DRAWINGS.

FIRE ALARM SYSTEM DEVICES (SMOKE DETECTORS, PULL STATIONS, BELLS, STROBES, ETC.) SHALL BE OF THE SAME MANUFACTURER AS, AND COMPATIBLE WITH, THE EXISTING BUILDING FIRE ALARM SYSTEM. PROVIDE AUXILIARY CONTACTS IF REQUIRED FOR SPECIAL APPLICATIONS. ALL STROBE ALARMS SHALL BE ADA COMPLIANT, MINIMUM 75CD PER ADA.

ALL NEW WIRING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND IN CONDUIT (3/4" MINIMUM). FIRE ALARM SYSTEM WIRING SHALL BE INSTALLED IN A RACEWAY SYSTEM SEPARATE FROM SECURITY SUB-SYSTEM WIRING WHERE/IF APPLICABLE.

THE INSTALLATION SHALL INCLUDE A COMPLETE SYSTEM TEST OF THE EQUIPMENT BY THE LOCAL REPRESENTATIVE OF THE SYSTEM INSTALLED. THIS TEST SHALL BE PERFORMED IN THE PRESENCE OF REPRESENTATIVES OF THE OWNER, ENGINEER, AND LOCAL FIRE DEPARTMENT.

PROVIDE ALL REQUIRED MODIFICATIONS (CARDS, POWER SUPPLIES, HARDWARE, FIRMWARE, SOFTWARE, ETC.) TO THE EXISTING FIRE ALARM SYSTEM AS REQUIRED TO RENDER THE ENTIRE EXTENSION FULLY OPERABLE.

PROVIDE ALL REQUIRED 20A/120VAC POWER AS REQUIRED TO ENERGIZE ALL NEW FIRE ALARM RELATED COMPONENTS. THIS REQUIREMENT APPLIES WHETHER OR NOT SUCH POWER WORK IS SHOWN ON THE DRAWINGS. BRANCH CIRCUITS SERVING FIRE ALARM RELATED EQUIPMENT SHALL BE DEDICATED TO FIRE ALARM RELATED EQUIPMENT ONLY.

SMOKE DETECTOR LOCATIONS SHALL NOT EXCEED THE RATED COVERAGE OF THE DETECTOR AND, IN GENERAL, SHALL BE NO MORE THAN 15 FEET FROM A WALL OR 30 FEET APART. SMOKE DETECTORS SHALL NOT BE INSTALLED WITHIN 3 FEET FROM A SUPPLY AIR DIFFUSER. PROVIDE CONTACT BASES FOR ALL APPLICATIONS WHERE AUXILIARY CONTACTS ARE REQUIRED.

THE AUDIO/VISUAL AND VISUAL-ONLY ALARM INDICATING DEVICES SHALL BE RED ADA-COMPLIANT UNITS (WITH MINIMUM 75 CANDELA ADA-COMPLIANT STROBES) WALL MOUNTED AT 6'8" AS SHOWN ON PLANS. STROBE UNITS SHALL BE SYNCHRONIZED WHEREVER REQUIRED BY ANY AUTHORITY HAVING JURISDICTION, INCLUDING ADAAG. ADDITIONALLY, WHERE REQUIRED BY LOCAL AUTHORITY, THE STROBES MUST MEET ANSI S3.41 TEMPORAL CODE.

THE WATERFLOW SWITCHES, TAMPER SWITCHES AND PRESSURE SWITCHES SHALL BE PROVIDED BY THE SPRINKLER CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL WIRE AND PROVIDE THE RELATED MONITOR MODULES AS REQUIRED.

PROVIDE ISOLATION MODULES AS REQUIRED TO ISOLATE WIRE TO WIRE SHORTS ON A DATA LOOP TO LIMIT THE NUMBER OF OTHER MODULES OR DETECTORS THAT ARE INCAPACITATED BY THE SHORT CIRCUIT FAULT AND/OR GROUNDS. ISOLATION MODULES SHALL BE PART OF THE SMOKE DETECTOR BASE. THE ISOLATION MODULES SHALL PERMIT THE ENTIRE SYSTEM TO OPERATE INDEPENDENTLY OF THE AREA DISCONNECTED BY THE ISOLATION MODULE DUE TO WIRING FAULTS.

PROVIDE MONITOR MODULES AS REQUIRED TO INTERFACE "NON-INTELLIGENT" DEVICES INTO THE SYSTEM AS SHOWN ON THE DRAWINGS (I.E. SPRINKLER FLOW SWITCHES, TAMPER SWITCHES, ETC.).

PROVIDE CONTROL MODULES FOR ALL AUXILIARY DEVICES INCLUDING ALL SUPERVISED CONTROL FUNCTIONS SUCH AS AIR HANDLER SHUTDOWNS.

EXTERIOR/ROOF MOUNTED DUCT SMOKE DETECTORS SHALL BE IN A NEMA4X ENCLOSURE.

21. DUCT SMOKE DETECTOR

PROVIDE ALL REQUIRED 20A/120VAC POWER AS REQUIRED TO ENERGIZE ALL FIRE ALARM RELATED COMPONENTS. THIS REQUIREMENT APPLIES WHETHER OR NOT SUCH POWER WORK IS SHOWN ON THE DRAWINGS. BRANCH CIRCUITS SERVING FIRE ALARM RELATED EQUIPMENT SHALL BE DEDICATED TO FIRE ALARM RELATED EQUIPMENT ONLY. REFER TO MECHANICAL DRAWINGS FOR REQUIREMENTS

REGISTRATION SEAL

ARCVISION
MANAGEMENT CONSULTANTS

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REV	DATE	DESCRIPTION	NAME

PROJECT NO: 210807
DRAWN BY: TJ
CHECKED BY: TJ
ISSUE DATE: 01/20/22

ELECTRICAL SPECIFICATIONS

E4.0