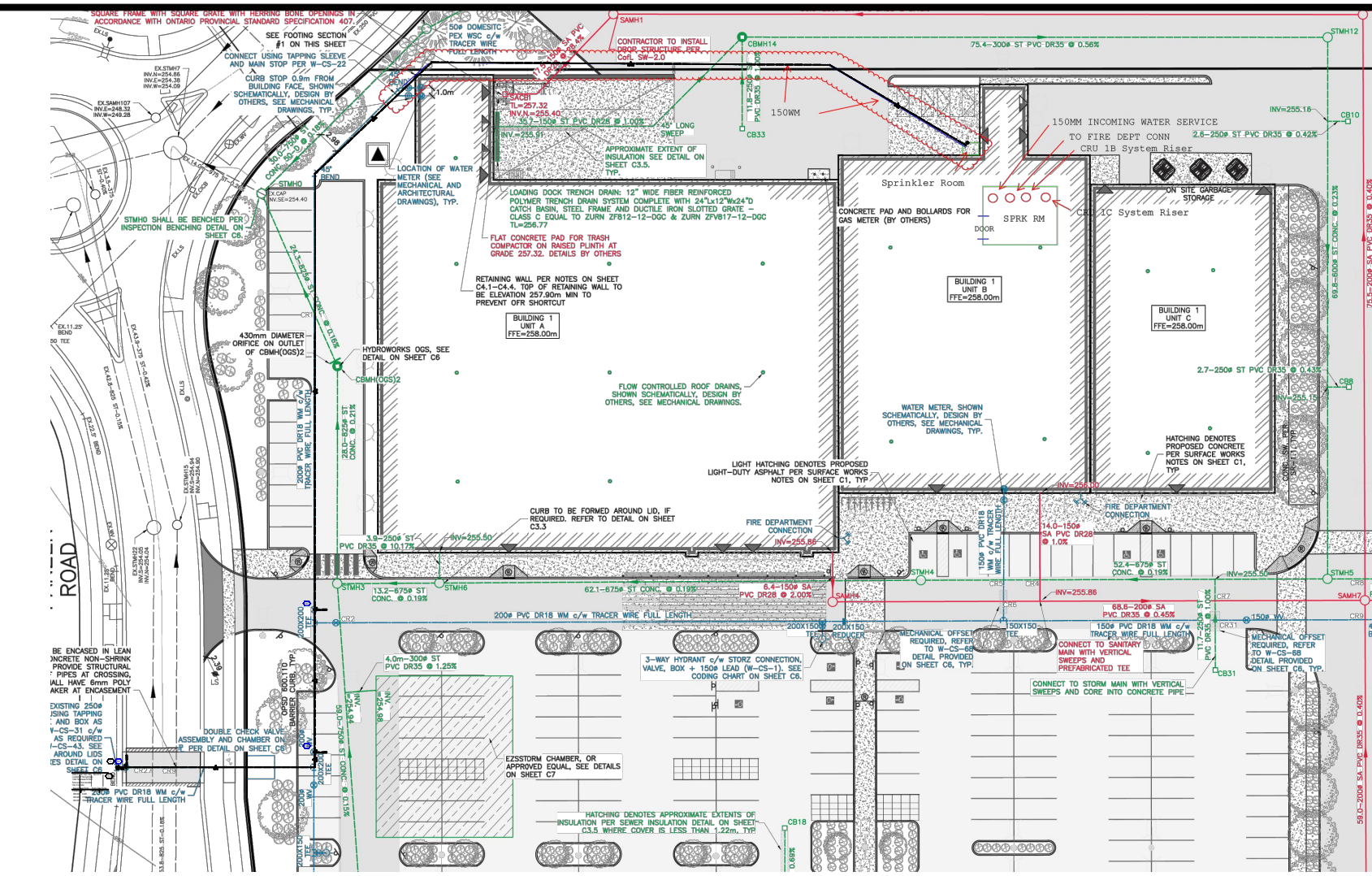


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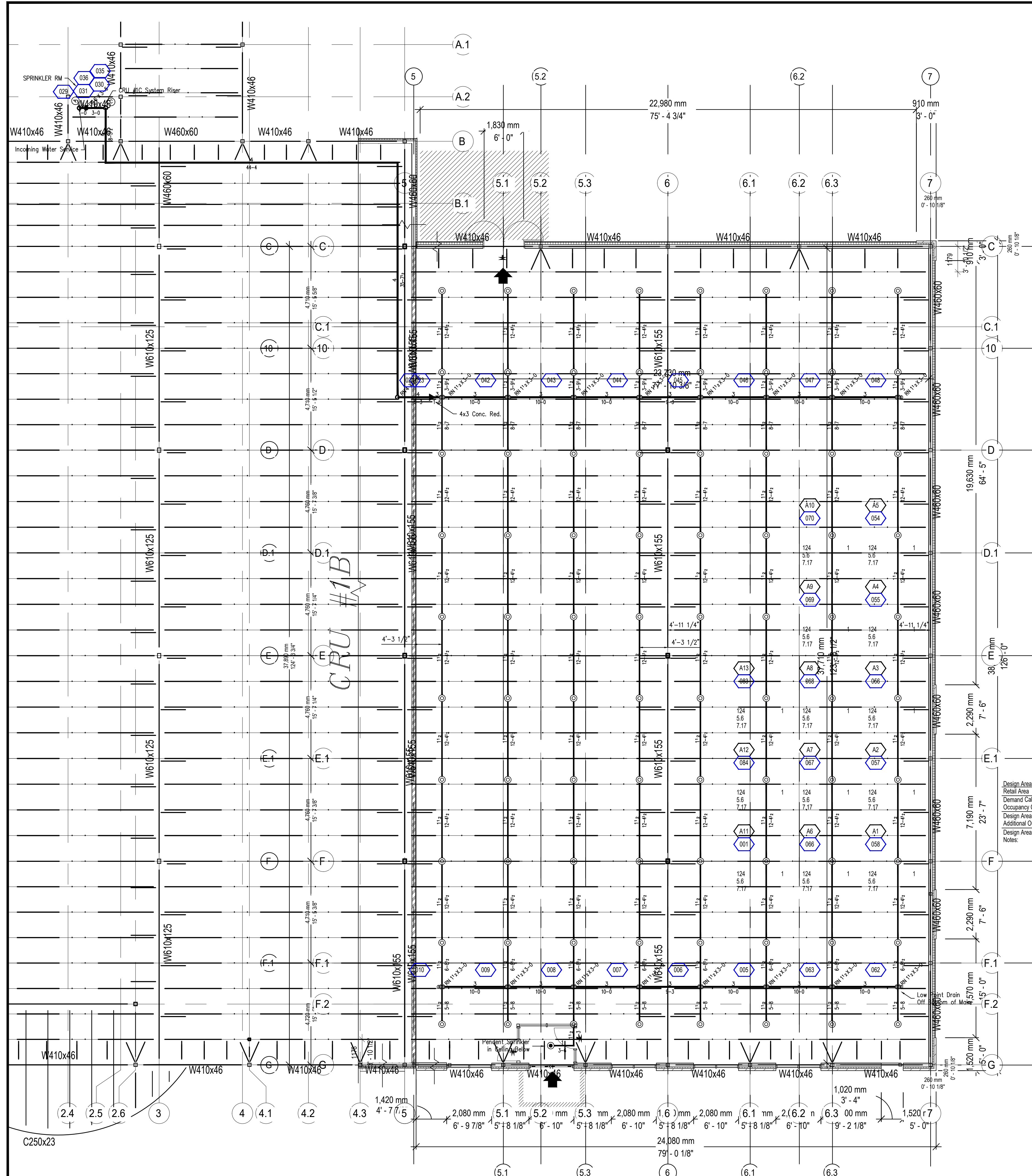
SYM	QTY	POSITION	FINISH	TEMP	K	NPT	SN	MFG	MODEL#
01	1	UPR	BRASS	155	5.60	1/2"	TY3151	Tyco	TY-B
02	1	PEND	CHROME	155	5.60	1/2"	TY3231	Tyco	TY-FRB



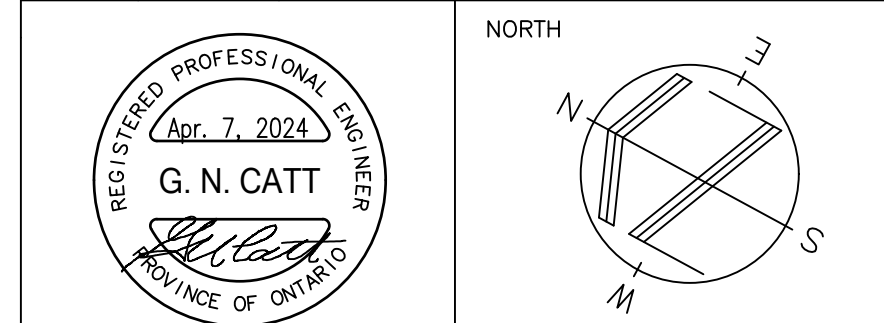
Job: Westdell - CRU #1B  
 Address: 1300 Fanshawe Pk Rd East  
 City: London State: Ontario Zip/Postal Code:  
 Contract #: 062-040424 Date: Apr 4/24  
 Contractor: SDC Designer: JSH  
 Address: 23 Turnbull Drive  
 City: Brantford State: Ontario Zip/Postal Code: N3T 0K4  
 Phone: 226-388-1503 Fax: Email: jhayhurst@hotmail.ca  
 Approving Authority: Local Bldg Dept.  
 Design Defaults Standards: NFPA13  
 Default Sprig Size: 1 Default Drop Size: 1  
 Default Sprig Material: 40 Default Drop Material: 40  
 Default Sprig Elevation: 1711 Default Drop Elevation:

Calculation results for Design Area 1 - Retail Area  
 This system as shown on SDC for Westdell - CRU #1B at 1300 Fanshawe Pk Rd East company print no. dated Apr 4/24 contract no 062-040424 is designed to discharge at a rate of 0.2 gpm/ft<sup>2</sup> (L/min/m<sup>2</sup>) of floor area over a maximum area of 1500 ft<sup>2</sup> when supplied with water at a rate of 428.9 gpm at 49.2 psi at the base of the riser. Hose stream allowance of is included in the above.  
 Occupancy classification: Ord. Grp.2 Number of heads flowing: 13  
 Commodity classification: System Type: Wet  
 Maximum storage height: Maximum velocity: 12.64 ft/s  
 Storage arrangement:  
 Flow from In-Rack sprinklers: 0 gpm Pressure Required at Source: 49.2 psi  
 Flow from Overhead sprinklers: 328.9 gpm Pressure Available at Source: 67.2 psi  
 Flow from Inside Hoses: 100 gpm Surplus Pressure at Source: 18 psi  
 Flow from Outside Hoses: 0 gpm  
 Other fixed flows: 0 gpm  
 Total flow in system piping: 428.9 gpm  
 Additional flow at/beyond source: 150 gpm  
 Total of all flows: 578.9 gpm

Design Area 1 Wet System  
 Retail Area  
 Demand Calculations using Hazen-Williams Method  
 Occupancy Classification: Ord. Grp.2  
 Design Area Density: 0.2  
 Additional Outside Hose: 150  
 Design Area Size: 1500  
 Notes:



REV.	DATE	DESCRIPTION
01	APR 7 2024	ISSUED FOR PERMIT



S/D/C  
 SPRINKLER DESIGN CONSULTING  
 23 TURNBULL DRIVE  
 BRANTFORD, ONTARIO  
 N3T 0K4  
 PHONE: 226-388-1503  
 EMAIL: jhayhurst@hotmail.ca

DRAWN BY: J.H. CHECKED BY: G.C.

PROJECT #: 063-040624

PROJECT:  
 WESTDELL DEVELOPMENT CORP  
 COMMERCIAL BUILDING 1-CRU 1C  
 1300 FANSHAW PARK ROAD EAST  
 LONDON, ONTARIO

SCALE: 1/8" = 1'-0" DWG #: FP - 2  
 DATE: APRIL 7, 2024