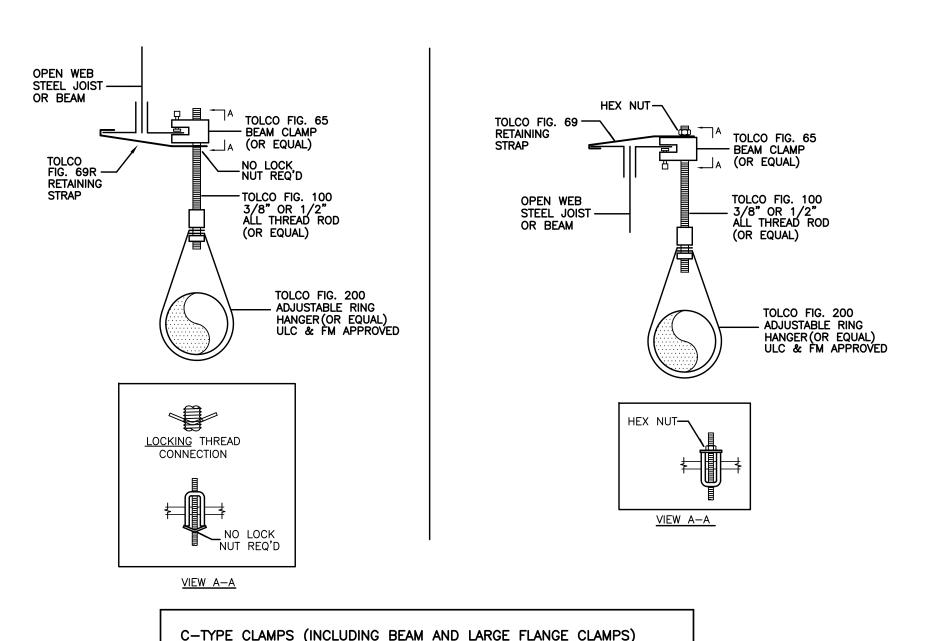
GENERAL SPECIFICATIONS



USED TO ATTACH HANGERS TO THE BUILDING STRUCTURE IN AREAS

SUBJECT TO EARTHQUAKES SHALL BE EQUIPPED WITH A RESTRAINING

HANGER DETAIL

CONTRACTOR TO CO-ORDINATE LOCATION OF SPRINKLERS WITH RESPECT TO SURFACE MOUNTED LIGHT FIXTURES AND MAINTAIN MINIMUM CLEARANCE AS REQUIRED BY NFPA 13 TO AVOID ANY OBSTRUCTION TO SPRAY PATTERN OF SPRINKLERS.

CONTRACTOR TO CO-ORDINATE LOCATION AND ELEVATION OF PIPING AND SPRINKLERS WITH ARCHITECT AND OTHER TRADES PRIOR TO FABRICATION AND INSTALLATION.

CONTRACTOR TO CO-ORDINATE COLOUR AND TYPE OF SPRINKLER HEADS WITH ARCHITECT.

CONTRACTOR TO INCLUDE FOR OFFSETTING BRANCH LINES AROUND ROOF TOP OPENINGS

U/S DECK 7700 4765 U/S DECK BUNKER GEAR ROOM LOCKERS 0 F.F.E. F.F.E. <u>0</u>

1.0 THESE DRAWINGS ARE FOR PERMIT, AND FOR PRICING, AND MUST BE ADHERED TO FOR INSTALLATION. IF CONTRACTOR WISHES TO ALTER DRAWINGS, THEN HE IS RESPONSIBLE FOR

CONTRACTOR TO SUPPLY AND INSTALL A COMPLETE AND FULLY OPERATIONAL AUTOMATIC SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS AND AS INDICATED IN THE SPECIFICATIONS AND CONFORMING TO N.F.P.A. REQUIREMENTS, O.B.C. REQUIREMENTS AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES.

OBTAINING RE-APPROVALS.

3.0 UPON COMPLETION OF THE INSTALLATION, THE CONTRACTOR SHALL TEST THE SYSTEM AND SUBMIT TO THE ENGINEER COMPLETED CONTRACTORS TEST CERTIFICATES STATING THAT THE SYSTEMS HAVE BEEN INSTALLED, TESTED AND APPROVED BY THE AUTHORITIES HAVING JURISDICTION IN ACCORDANCE WITH N.F.P.A.#13, LATEST OR APPLICABLE

4.0 ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL CODES, STANDARDS BY-LAWS AND AUTHORITIES HAVING

SYSTEMS TO BE INSTALLED AS PER N.F.P.A. STANDARDS, AND LOCAL AUTHORITIES

SPRINKLER CONTRACTOR TO CO-ORDINATE INSTALLATION WITH EXISTING SITE CONDITIONS AND ACCEPT RESPONSIBILITY FOR AND COST OF MAKING ADJUSTMENTS TO PIPING TO AVOID INTERFERENCE WITH MECHANICAL, ELECTRICAL AND OTHER BUILDING COMPONENTS.

SPRINKLER CONTRACTOR TO INCLUDE FOR OFFSETS IN SPRINKLER PIPING AND MUST SUPPLY AND INSTALL TRAPEZE HANGERS WHERE REQUIRED. HANGERS FOR MAINS TO BE INSTALLED AT PANEL POINTS OF JOISTS.

* 8.0 ALL SPRINKLER VALVES TO BE SUPERVISED, AND U.L.C. LISTED.

SPRINKLER CONTRACTOR TO ALLOW FOR ADDITIONAL PRESSURE SWITCHES WHERE REQUIRED FOR ALARM SYSTEM.

CONTRACTOR TO ALLOW IN PRICE FOR SUFFICIENT PIPE AND FITTINGS TO INSTALL PENDENT SPRINKLERS WITHIN A 5 FT. RADIUS OF THE LOCATION SHOWN ON DRAWINGS.

ALL MATERIALS USED IN THE INSTALLATION OF THE SPRINKLER SYSTEM SHALL BE CANADIAN MADE, UNLESS SPECIFICALLY APPROVED IN WRITING PRIOR TO INSTALLATION BY THE ARCHITECTS AND/OR ENGINEERS RESPONSIBLE FOR THE SYSTEM DESIGN.

12.0 ALL SPRINKLER EQUIPMENT SHALL BE OF ONE MANUFACTURER FROM THE FOLLOWING: GRINNELL, VIKING, CENTRAL, RELIABLE OR APPROVED EQUAL. ALL SHALL BE U.L.C. LISTED FOR THEIR SPECIFIC APPLICATION.

13.0 DRAWINGS ARE NOT TO BE SCALED.

14.0 THESE DRAWINGS ARE THE PROPERTY OF THE ENGINEERS AND SHALL NOT BE ALTERED WITHOUT APPROVAL. DRAWINGS SHALL BE RETURNED UPON REQUEST.

15.0 SPRINKLER HEADS SHALL BE U.L.C. LISTED AND SHALL BE THE TYPE AND TEMPERATURE RATING SPECIFIED ON THE DRAWINGS.

16.0 PROVIDE SPARE SPRINKLER HEADS AND WRENCH IN A METAL CABINET, MOUNTED ON THE WALL NEAR THE MAIN SPRINKLER VALVE HEADER. AMOUNT AS PER N.F.P.A. STANDARD # 13 LATEST OR APPLICABLE EDITION.

17.0 SPRINKLERS OF SUITABLE TEMPERATURE RATING SHALL BE

N.F.P.A. STANDARD # 13 LATEST OR APPLICABLE EDITION. 18.0 PROVIDE ALL NECESSARY TRIM REQUIRED FOR ALARM CHECK VALVES TO COMPLY WITH APPLICABLE CODES AND

INSTALLED NEAR HEATING EQUIPMENT AS SPECIFIED IN

REQUIREMENTS. 19.0 PENDENT SPRINKLERS INSTALLED WHERE SUSPENDED CEILING TILES OR DRYWALL OCCUR ARE TO BE EQUIPPED

WITH TWO PIECE ESCUTCHEONS. (WHERE APPLICABLE) 20.0 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE FIRE PROTECTION SYSTEMS AND FOR CO-ORDINATION WITH ALL SITE CONDITIONS. BEFORE COMMENCING WORK, EXAMINE THE SITE AND THE EXISTING CONDITIONS AND REPORT IMMEDIATELY TO THE ENGINEER ANY DEFECT OR INTERFERENCE AFFECTING THE COMPLETION OF THE WORK OR THE GUARANTEE OF THIS CONTRACTOR.

21.0 CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

* 22.0 PROVIDE FLOW ALARM DEVICES, SUPERVISORY SWITCHES AND PRESSURE SWITCHES WHERE SHOWN ON DRAWINGS. WIRING TO ANNUNCIATOR SHALL BE BY ELECTRICAL CONTRACTOR. PROVIDE NECESSARY SIGNS WHERE REQUIRED BY THE LOCAL FIRE AUTHORITIES.

23.0 PROVIDE SHOP DRAWINGS FOR THE FOLLOWING:

- SPRINKLER HEADS ALARM VALVE AND TRIM - SUPERVISORY DEVICES

HANGERS - FLOW SWITCHES

24.0 A COPY OF N.F.P.A. STANDARD # 25 IS TO BE PROVIDED AND LEFT IN A VISIBLE LOCATION IN THE SPRINKLER ROOM.

DIMENSIONS AND/OR MEASUREMENTS INDICATED ON THE DRAWINGS ARE TO BE VERIFIED AT SITE AND ANY MAJOR DISCREPANCIES TO BE REPORTED PRIOR TO FABRICATION AND INSTALLATION. (IF APPLICABLE)

26.0 EXACT LOCATION AND ELEVATION OF MAINS TO BE DETERMINED BY CONTRACTOR TO SUIT SITE CONDITIONS.

CONTRACTOR TO CO-ORDINATE LOCATION OF SPRINKLERS WITH RESPECT TO SURFACE MOUNTED LIGHT FIXTURES AND MAINTAIN MINIMUM CLEARANCE AS REQUIRED BY NFPA 13 TO AVOID ANY OBSTRUCTION TO SPRAY PATTERN OF SPRINKLERS.

CONTRACTOR TO PROVIDE NECESSARY HANGERS AND ASSEMBLY TO COMPLY WITH THE FOLLOWING:
A) UNSUPPORTED LENGTH BETWEEN END SPRINKLER AND LAST HANGER SHALL NOT EXCEED 36 INCHES FOR 1" DIA. PIPE, 48" FOR 114" DIA PIPE AND 60" FOR 11/2" DIA. PIPE OR LARGER.

B) THE LENGTH OF AN UNSUPPORTED ARM-OVER TO A SPRINKLER SHALL NOT EXCEED 24".
NOTE: WHEN PRESSURE EXCEEDS 100 PSI, REFER TO NFPA STANDARD # 13

NOTE: WHEN PRESSURE EXCEEDS 100 PSI, REFER TO NFPA STANDARD # 13

MINIMUM WALL THICKNESS OF SPRINKLER PIPING TO BE EQUIVALENT TO SCHEDULE 10S.

CONTRACTOR TO INCLUDE FOR AN ADDITIONAL 10 SPRINKLERS FOR BELOW OBSTRUCTIONS, TO SUIT SITE CONDITIONS AND MINOR REVISIONS ETC. SPRINKLERS IN LIGHT HAZARD OCCUPANCIES

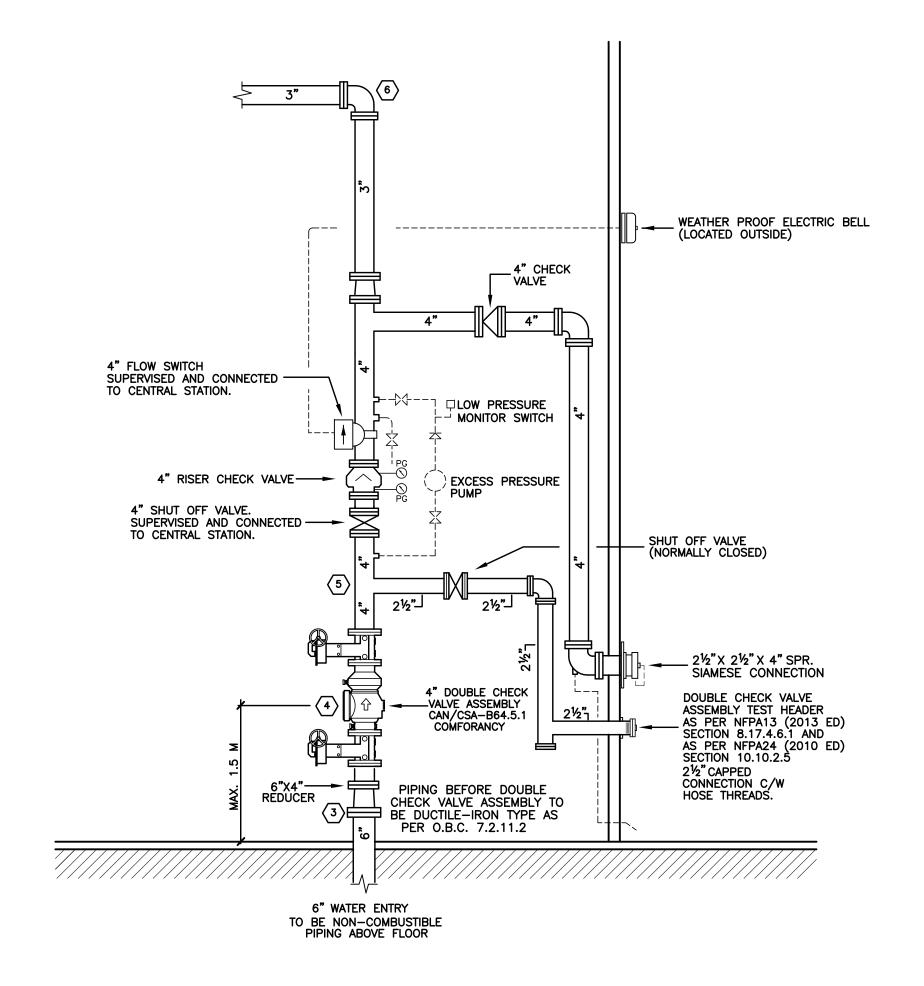
SPRINKLER SYSTEM TO BE SEISMICALLY RESTRAINED TO

(ie OFFICES, SCHOOLS ETC.) TO BE QUICK RESPONSE

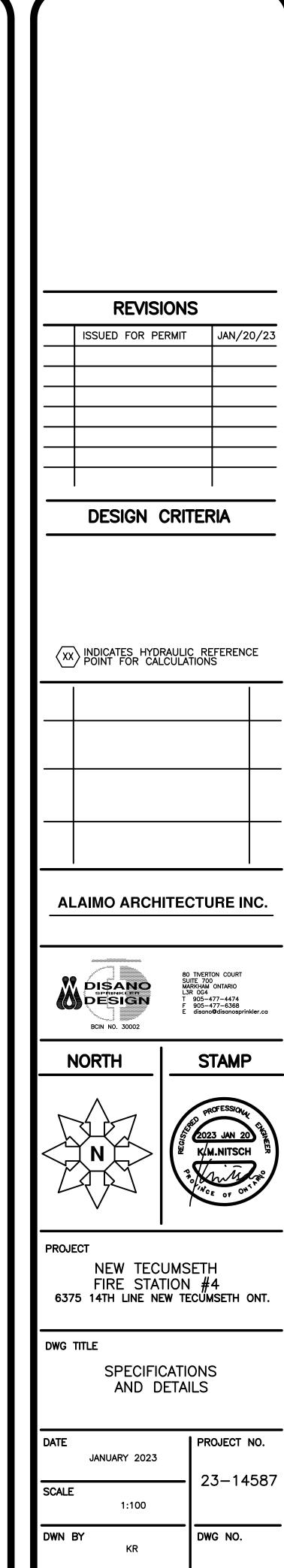
ONTARIO BUILDING CODE AND NFPA #13 REQUIREMENTS.

CONTRACTOR TO PROVIDE ADEQUATE DRAINS AS REQUIRED BY N.F.P.A.13 AND DISCHARGE TO A LOCATION TO SUIT SITE CONDITIONS.

* DENOTES " IF APPLICABLE

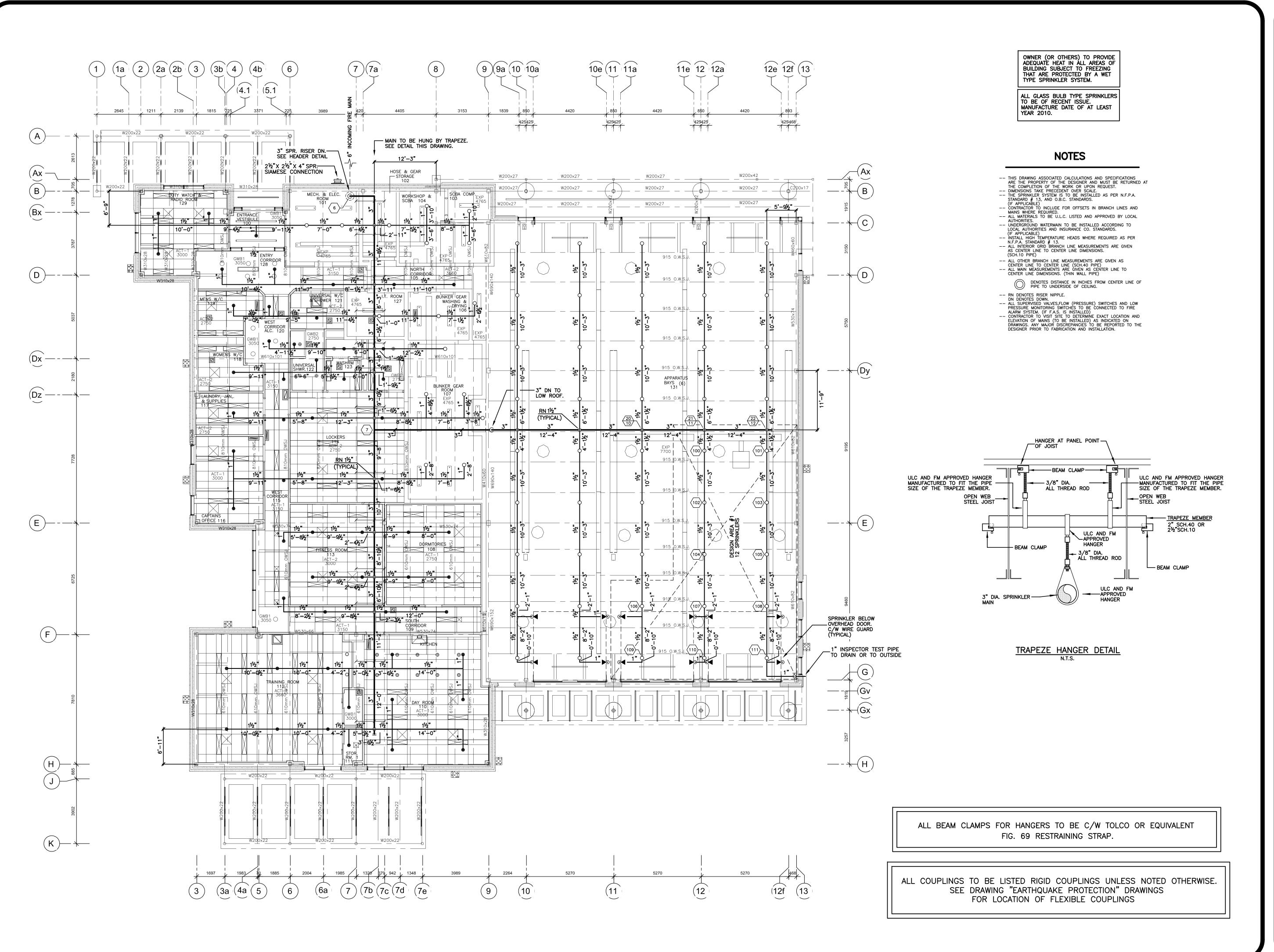


HEADER DETAIL SCHEMATIC



ISSUED FOR REVISION NO.

BUILDING CROSS SECTION



REVISIONS

ISSUED FOR PERMIT	JAN/20/2

DESIGN CRITERIA

OFFICES, WASHROOMS, LOCKERS, DORMITORY ETC. DESIGNED FOR LIGHT HAZARD

0.10 GPM/SQ.FT. OVER 1500 MINUS 40%
(QUICK RESPONSE SPR.) = 900 SQ.FT. PLUS 100 GPM FOR HOSES. AS PER NFPA 13 FIG. 11.2.3.1.1 AND SECTION 11.2.3.2.3 2013 EDITION.

APPARATUS BAY, MECHANICAL RM., BUNKER GEAR ETC. DESIGNED FOR ORDINARY HAZARD GROUP 1 0.15 GPM/SQ.FT. OVER 1500 SQ.FT. PLUS 250 GPM FOR HOSES. AS PER NFPA 13 FIG. 11.2.3.1.1 2013 EDITION.

0	1/2" 165°F STD. RESPONSE UPRIGHT (K=5.6)	61
	1/2" 165°F QUICK RESPONSE SEMI-RECESSED PENDENT (K=5.6)	57
•	1/2" 165°F STD. RESPONSE SIDEWALL C/W WIRE GUARD (K=5.6)	12

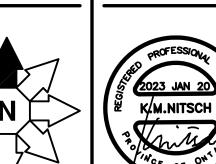
ALAIMO ARCHITECTURE INC.



80 TIVERTON COURT
SUITE 700
MARKHAM ONTARIO
L3R 0G4
T 905-477-4474
F 905-477-6368
E disano@disanosprinkler.ca

STAMP

NORTH





PROJECT

NEW TECUMSETH FIRE STATION #4
6375 14TH LINE NEW TECUMSETH ONT.

DWG TITLE

REVISION NO.

PROPOSED SPRINKLER LAYOUT

DATE JANUARY 2023	PROJECT NO. 23-14587	
SCALE 1:100	23-14367	
DWN BY	DWG NO.	
ISSUED FOR	SP2	

OF 2

PROTECTION OF PIPING AGAINST DAMAGE WHERE SUBJECT TO EARTHQUAKES

FLEXIBLE COUPLINGS

— ALL COUPLINGS TO BE LISTED RIGID COUPLINGS UNLESS NOTED OTHERWISE —— SYSTEMS HAVING MORE FLEXIBLE COUPLINGS THAN REQUIRED BY THIS SECTION SHALL BE PROVIDED WITH ADDITIONAL SWAY BRACING AS PER NFPA 13

FLEXIBLE COUPLINGS TO BE PROVIDED ONLY AS FOLLOWS.

ALL PIPING 2½" DIA. OR LARGER

FLEXIBLE COUPLINGS SHALL BE INSTALLED WITHIN 24" OF THE TOP AND BOTTOM OF ALL RISERS. EXCEPTION: (A) FLEXIBLE COUPLING NOT REQUIRED FOR RISERS LESS THAN 3 FT IN LENGTH. (B) RISERS 3FT-7FT IN LENGTH REQUIRE ONLY ONE FLEXIBLE COUPLING.

FLEXIBLE COUPLINGS SHALL BE INSTALLED ON BOTH SIDES OF CONCRETE OR MASONARY WALLS WITHIN 1 FT. OF THE WALL SURFACE. UNLESS CLEARANCE IS PROVIDED.

FLEXIBLE COUPLINGS SHALL BE INSTALLED WITHIN 24" OF BUILDING EXPANSION JOINTS. FLEXIBLE COUPLINGS SHALL BE INSTALLED ABOVE AND BELOW ANY INTERMEDIATE POINTS OF SUPPORT FOR A RISER OR OTHER VERTICAL PIPE.

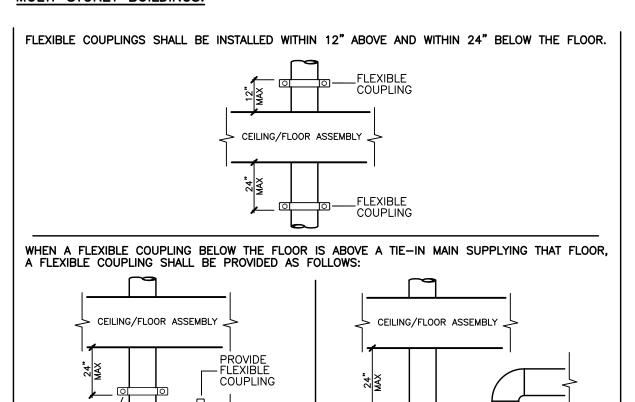
REGARDLESS OF PIPE SIZE

FLEXIBLE COUPLINGS SHALL BE INSTALLED WITHIN 24" OF THE TOP OF DROPS EXCEEDING 15 FT. IN LENGTH TO PORTIONS OF SYSTEMS SUPPLYING MORE THAN 1 SPRINKLER.

FOR DROPS (WHERE NO "DROP SUPPORTS" ARE PROVIDED.) FLEXIBLE COUPLINGS FOR DROPS TO HOSE LINES, RACK SPRINKLERS AND MEZZANINES SHALL BE INSTALLED WITHIN 24" OF THE TOP OF THE DROP AND WITHIN 24" OF THE BOTTOM OF THE DROP

FOR DROPS (WHERE "DROP SUPPORTS" ARE PROVIDED.) FLEXIBLE COUPLINGS FOR DROPS TO HOSE LINES, RACK SPRINKLERS AND MEZZANINES SHALL BE INSTALLED WITHIN 24" OF THE TOP OF THE DROP AND WITHIN 24" ABOVE THE UPPERMOST DROP SUPPORT.

MULTI-STOREY BUILDINGS:



FLEXIBLE-COUPLING

ELEVATION

(A) WHERE THE TIE-IN MAIN IS HORIZONTAL - | (B) WHERE THE TIE-IN MAIN IS VERTICAL -WITHIN 24" OF THE TIE-IN

AN APPROVED SEISMIC SEPARATION ASSEMBLY SHALL BE INSTALLED

WHERE SPRINKLER PIPING CROSSES BUILDING SEISMIC SEPARATION

SEISMIC SEPARATION ASSEMBLY

JOINTS ABOVE GROUND LEVEL.

CLEARANCE HOLES

CLEARANCE SHALL BE PROVIDED AROUND ALL PIPING EXTENDING THRU WALLS, FLOORS, PLATFORMS AND FOUNDATIONS, INCLUDING DRAINS, FIRE DEPARTMENT CONNECTIONS AND OTHER AUXILLARY PIPING.

NOTE: NO CLEARANCE IS REQUIRED IF FLEXIBLE COUPLINGS ARE LOCATED WITHIN 1 FT. OF EACH SIDE OF A WALL, FLOOR, PLATFORM OR FOUNDATION.

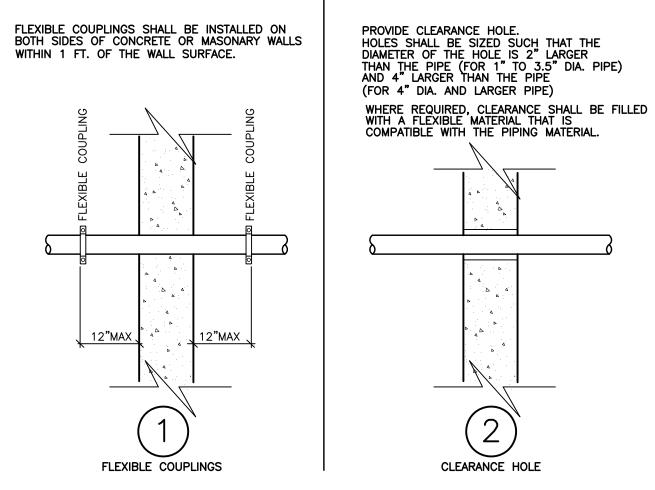
WHERE PIPE PASSES THROUGH HOLES IN PLATFORMS, FOUNDATIONS, FLOORS AND WALLS THE HOLES SHALL BE SIZED SUCH THAT THE DIAMETER OF THE HOLE IS 2" LARGER THAN THE PIPE (FOR 1" TO 3.5" DIA. PIPE) AND 4" LARGER THAN THE PIPE

WHERE CLEARANCE IS PROVIDED BY A PIPE SLEEVE, A SLEEVE DIAMETER 2" LARGER THAN THE PIPE DIA. IS ACCEPTABLE FOR PIPE SIZES 1" DIA. TO 3.5" DIA. AND A PIPE SLEEVE DIAMETER 4" LARGER THAN THE PIPE DIAMETER IS ACCEPTABLE FOR

NO CLEARANCE IS REQUIRED FOR PIPING PASSING THROUGH GYPSUM BOARD OR EQUALLY FRANGIBLE CONSTRUCTION THAT IS NOT REQUIRED TO HAVE A FIRE RESISTANCE RATING. WHERE REQUIRED, CLEARANCE SHALL BE FILLED WITH A FLEXIBLE MATERIAL THAT IS

CLEARANCE FROM STRUCTURAL MEMBERS NOT PENETRATED OR USED, COLLECTIVELY OR INDEPENDENTLY, TO SUPPORT THE PIPING SHALL BE AT LEAST 2 INCHES.

COMPATIBLE WITH THE PIPING MATERIAL.



PROVIDE ONE OF THE FOLLOWING PIPE PASSING THRU CONCRETE OR MASONARY WALLS

DETAIL NO.1

SWAY BRACING

SWAY BRACING IS REQUIRED FOR:

- 1) THE TOP OF SYSTEM RISERS 2) ALL FEEDMAINS AND CROSSMAINS REGARDLESS OF SIZE.
- 3) BRANCH LINES 2½"DIA. AND LARGER (LATERAL BRACING ONLY)

EACH RUN OF PIPE BETWEEN CHANGES IN DIRECTION SHALL BE PROVIDED WITH BOTH LATERAL AND LONGITUDINAL BRACING. PIPE RUNS OF LESS THAN 12 FT. IN LENGTH SHALL BE PERMITTED TO BE SUPPORTED BY THE BRACES ON ADJACENT RUNS OF PIPE.

LATERAL SWAY BRACING

LATERAL SWAY BRACING SHALL BE SPACED AT A MAXIMUM INTERVAL OF 40 FT. ON CENTER THE DISTANCE BETWEEN THE LAST BRACE AND THE END OF THE PIPE SHALL NOT EXCEED 6 FT. THE LAST LENGTH OF PIPE AT THE END OF A FEED OR CROSS MAIN SHALL BE PROVIDED

LATERAL BRACES SHALL BE ALLOWED TO ACT AS LONGITUDINAL BRACES IF THEY ARE WITHIN 24 INCHES OF THE CENTERLINE OF THE PIPING BRACED LONGITUDINALLY FOR LINES THAT ARE

LATERAL SWAY BRACING IS NOT REQUIRED WHERE PIPE IS SUPPORTED BY RODS LESS THAN 6" LONG MEASURED BETWEEN THE TOP OF PIPE AND THE POINT OF ATTACHMENT TO THE BUILDING STRUCTURE. ★ IF LATERAL BRACING IS ELIMINATED, CONTRACTOR MUST INFORM ENGINEER IN ORDER TO CONFIRM IF ADDITIONAL LONGITUDINAL BRACING IS REQUIRED.

LONGITUDINAL SWAY BRACING

LONGITUDINAL SWAY BRACING SPACED AT A MAXIMUM INTERVAL OF 80 FT. ON CENTER SHALL BE PROVIDED ON ALL FEED AND CROSS MAINS.

THE DISTANCE BETWEEN THE LAST BRACE AND THE END OF THE PIPE SHALL NOT EXCEED 40 FT. LONGITUDINAL BRACES SHALL BE ALLOWED TO ACT AS LATERAL BRACES IF THEY ARE WITHIN 24 INCHES OF THE CENTERLINE OF THE PIPING BRACED LATERALLY.

TOPS OF RISERS (EXCEEDING 3 FT IN LENGTH) SHALL BE PROVIDED WITH A 4-WAY BRACE. DISTANCE BETWEEN 4-WAY BRACES SHALL NOT EXCEED 25 FT. 4-WAY BRACE TO BE MAXIMUM 24" BELOW CENTERLINE OF HORIZONTAL PIPE.

4-WAY BRACING SHALL NOT BE REQUIRED WHERE RISERS PENETRATE INTERMEDIATE FLOORS IN MULTI-STOREY BUILDINGS WHERE THE "CLEARANCE" DOES NOT EXCEED THAT STATED UNDER "CLEARANCE HOLES"

BRANCH LINE RESTRAINT

RESTRAINT IS REQUIRED FOR ALL BRANCH LINES THAT ARE NOT OTHERWISE REQUIRED TO BE LATERALLY BRACED.

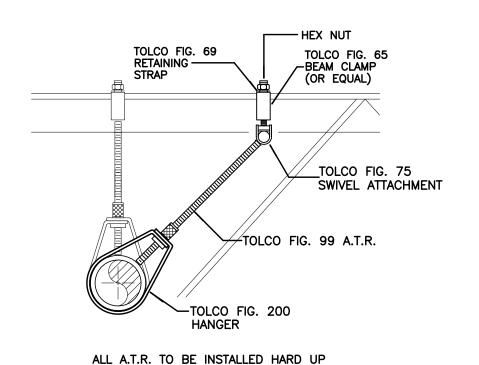
WHERE BRANCH LINES ARE SUPPORTED BY RODS LESS THAN 6" LONG MEASURED BETWEEN THE TOP OF PIPE AND THE POINT OF ATTACHMENT TO THE BUILDING STRUCTURE, ADDITIONAL RESTRAINT SHALL NOT BE REQUIRED.

SPRIGS 4 FT. OR LONGER SHALL BE RESTRAINED AGAINST LATERAL MOVEMENT. THE END SPRINKLER ON A LINE SHALL BE RESTRAINED AGAINST EXCESSIVE VERTICAL

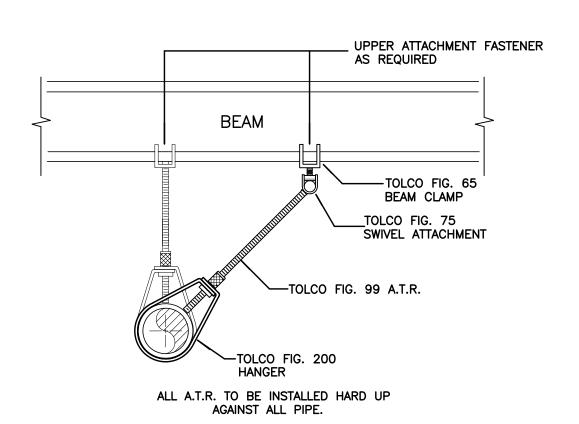
WHERE UPWARD OR LATERAL MOVEMENT OF THE SYSTEM PIPING RESULTS IN DAMAGE TO THE SPRINKLER THROUGH IMPACT AGAINST THE BUILDING STRUCTURE, EQUIPMENT, OR FINISH MATERIALS, BRANCH LINES SHALL BE RESTRAINED AT INTERVALS NOT EXCEEDING 45 FT. FOR 1" DIA. PIPE 48 FT. FOR 1 DIA. PIPE 51 FT. FOR 1-1/2" DIA. PIPE 55 FT. FOR 2" DIA. PIPE

RESTRAINT SHALL BE PROVIDED BY ONE OF THE FOLLOWING: 1) A LISTED SWAY BRACE ASSEMBLY

- 2) A WRAPAROUND U-HOOK AS PER NFPA 13 SECTION 9.3.5.3.9 (2007 ED)
- 3) NO.12 (440 LB) WIRE INSTALLED AT LEAST 45° FROM THE VERTICAL PLANE AND ANCHORED ON BOTH SIDES OF THE PIPE
- 4) A HANGER NOT LESS THAN 45° FROM VERTICAL INSTALLED WITHIN 6 INCHES OF THE VERTICAL HANGER ARRANGED FOR RESTRAINT AGAINST UPWARD MOVEMENT



AGAINST ALL PIPE.



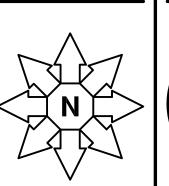
REVISIONS ISSUED FOR PERMIT JAN/20/23 BRACE IDENTIFICATION —SYMBOL INDICATES LATERAL BRACE -ON MAIN SHOWN POINTING TO -SYMBOL INDICATES LONGITUDINAL BRACE ON MAIN SHOWN PARALLEL TO - SYMBOL INDICATES 4-WAY BRACE ON RISER SYMBOL INDICATES 4-WAY BRACE (ATTACHED TO CEILING) ___ON HORIZONTAL PIPE INDICATES "BRANCH LINE RESTRAINT" WHERE BRANCH LINES ARE SUPPORTED BY RODS LESS THAN 6 INCHES LONG MEASURED BETWEEN THE TOP OF PIPE AND THE POINT OF ATTACHMENT TO STRUCTURE, BRANCH LINE RESTRAINT IS NOT REQUIRED. ALAIMO ARCHITECTURE INC.



80 TIVERTON COURT SUITE 700 MARKHAM ONTARIO L3R 064 T 905-477-4474 F 905-477-6368 disano@disanosprinkler.ca

K/M.NITSCH

STAMP



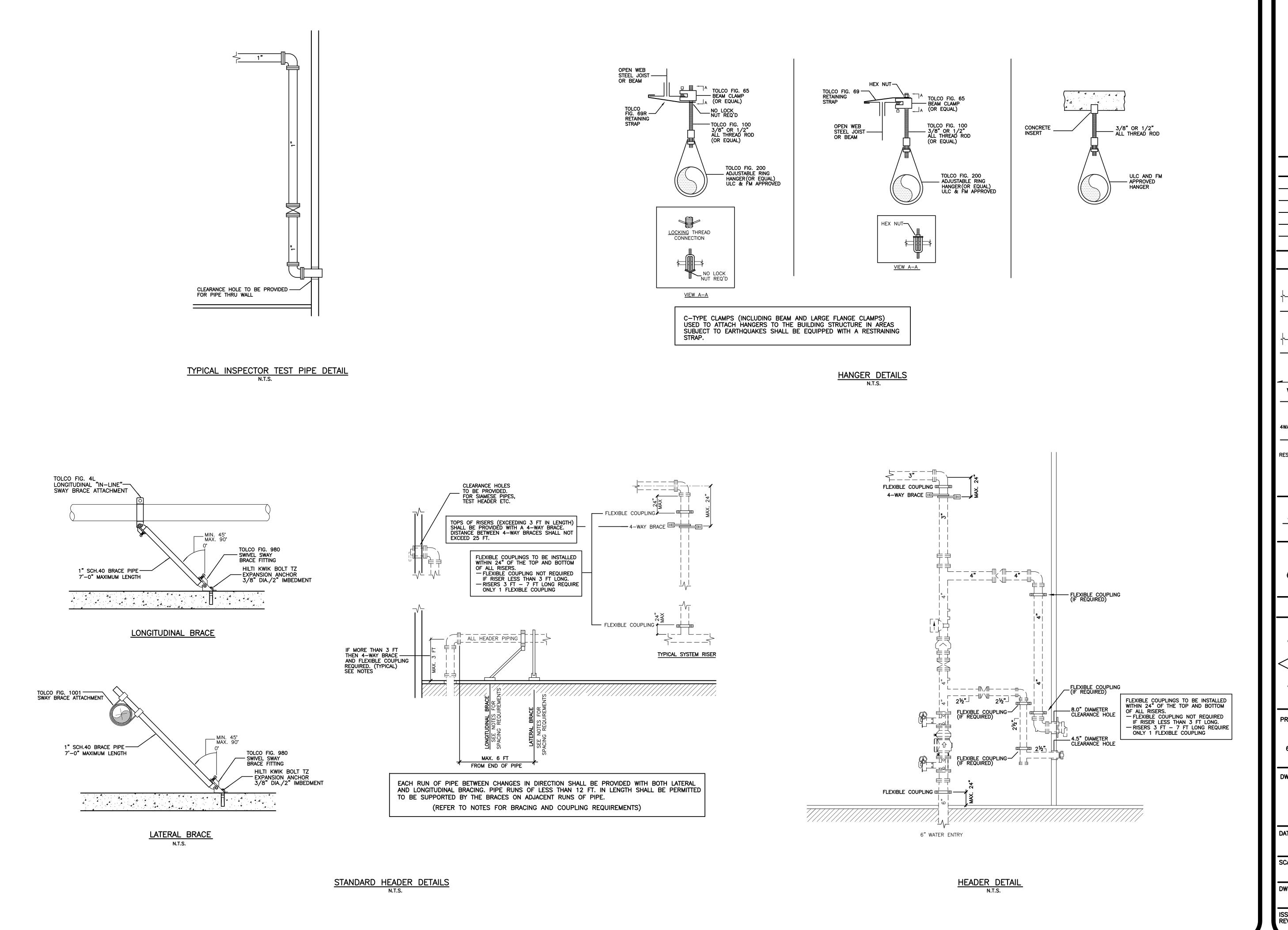
NEW TECUMSETH

EARTHQUAKE PROTECTION

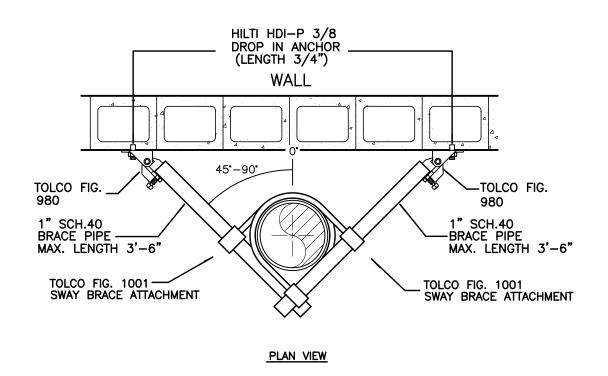
PROJECT NO. JANUARY 2023 23 - 14587SCALE 1:100 DWG NO. ISSUED FOR REVISION NO.

PROJECT FIRE STATION #4 6375 14TH LINE NEW TECÜMSETH ONT. DWG TITLE

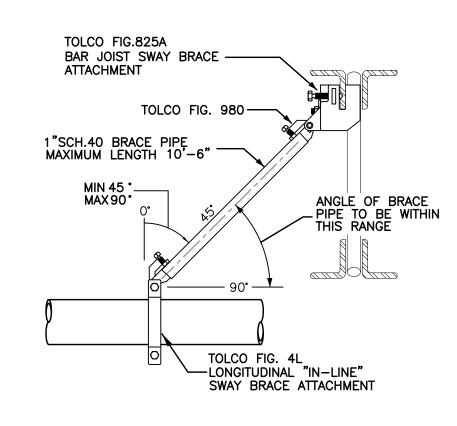
DETAILS

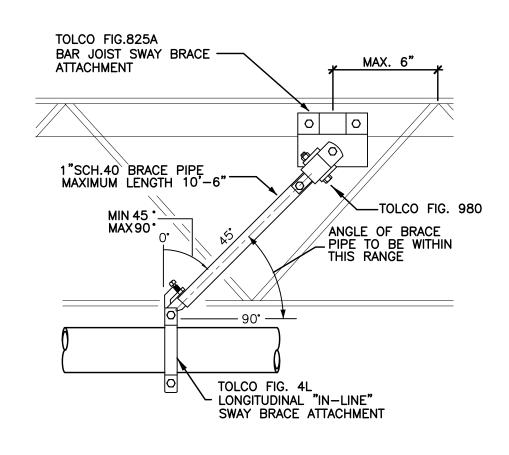


REVISIONS ISSUED FOR PERMIT JAN/20/23 **BRACE IDENTIFICATION** SYMBOL INDICATES LATERAL BRACE ON MAIN SHOWN POINTING TO SYMBOL INDICATES LONGITUDINAL BRACE
ON MAIN SHOWN PARALLEL TO SYMBOL INDICATES 4-WAY BRACE SYMBOL INDICATES 4-WAY BRACE (ATTACHED TO CEILING) __ON HORIZONTAL PIPE INDICATES "BRANCH LINE RESTRAINT".
WHERE BRANCH LINES ARE SUPPORTED
BY RODS LESS THAN 6 INCHES LONG
MEASURED BETWEEN THE TOP OF PIPE
AND THE POINT OF ATTACHMENT TO STRUCTURE, BRANCH LINE RESTRAINT IS NOT REQUIRED. **ALAIMO ARCHITECTURE INC.** 80 TIVERTON COURT
SUITE 700
MARKHAM ONTARIO
L3R 0G4
T 905-477-4474
F 905-477-6368
E disano@disanosprinkler.ca DISANO BCIN NO. 30002 **NORTH** STAMP 2023 JAN 20 K.M.NITSCH PROJECT NEW TECUMSETH FIRE STATION #4 6375 14TH LINE NEW TECUMSETH ONT. DWG TITLE EARTHQUAKE PROTECTION DETAILS PROJECT NO. JANUARY 2023 23-14587 SCALE 1:100 DWG NO. EQ2 ISSUED FOR REVISION NO.

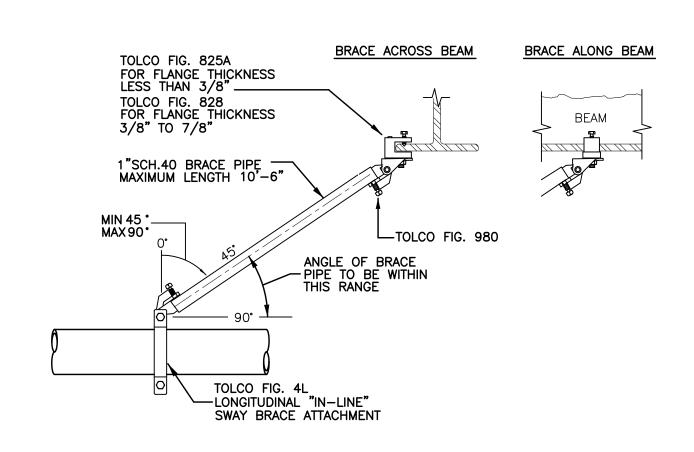


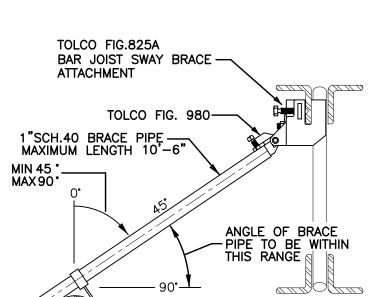
4-WAY RISER BRACE - DETAIL #2



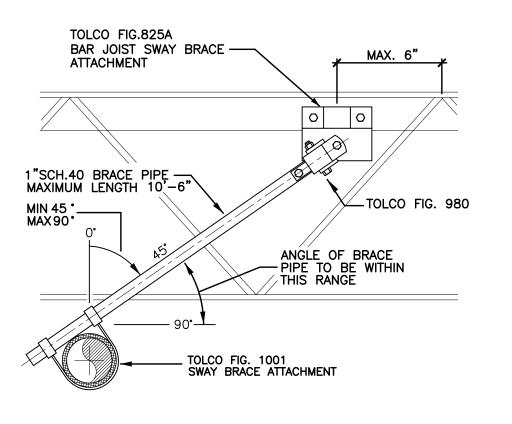


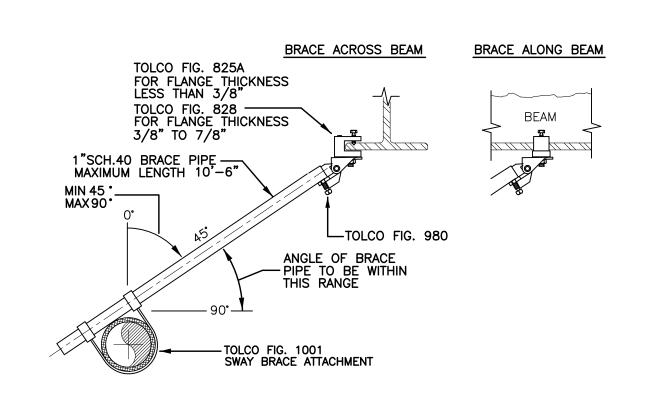
LONGITUDINAL BRACE "LON-1"



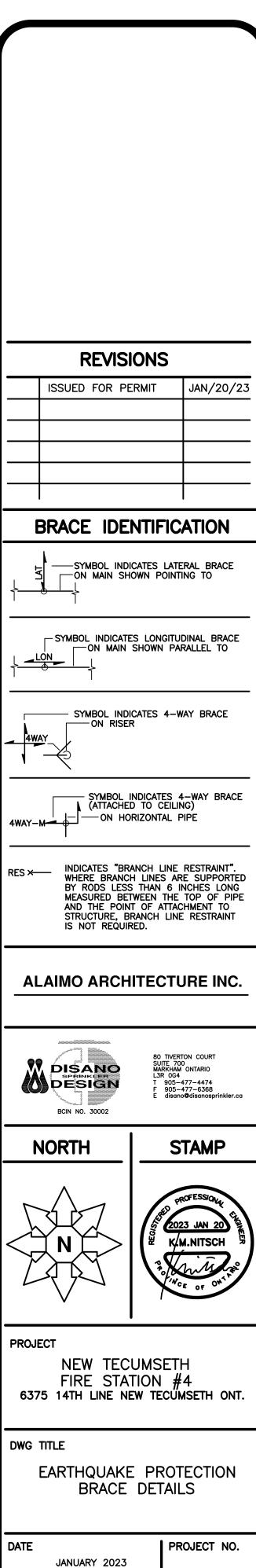


TOLCO FIG. 1001 SWAY BRACE ATTACHMENT





LATERAL BRACE "LAT-1"



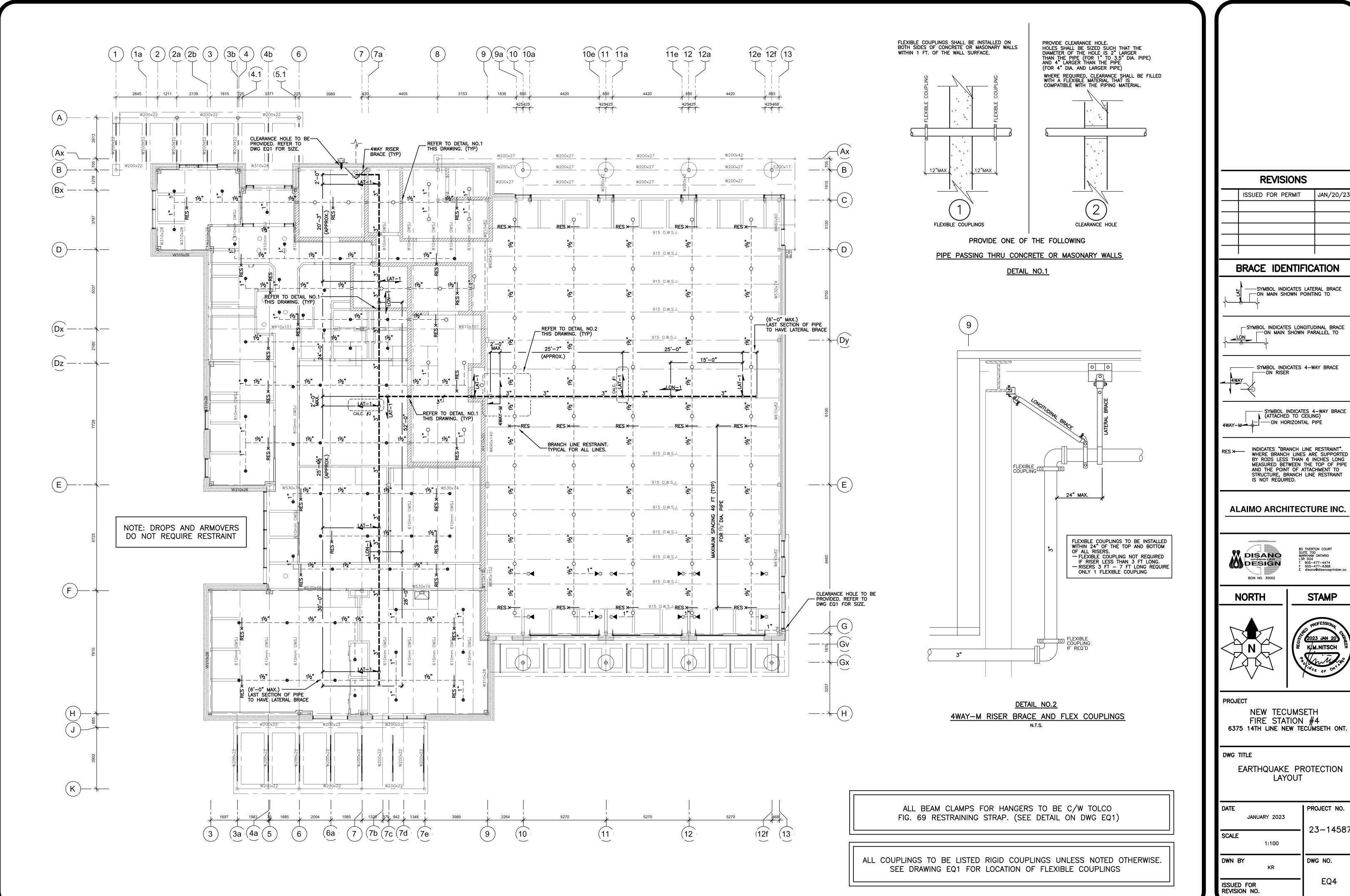
23-14587

EQ3

DWG NO.

1:100

ISSUED FOR REVISION NO.



REVISIONS					
ISSUED FOR PE	RMIT	JAN/20/23			
BRACE IDE	NTIFIC	ATION			
SYMBOL INDICATES LATERAL BRACE ON MAIN SHOWN POINTING TO					
SYMBOL INDICATES LONGITUDINAL BRACE ON MAIN SHOWN PARALLEL TO					
SYMBOL INDICATES 4-WAY BRACE ON RISER					
SYMBOL INDICATES 4-WAY BRACE (ATTACHED TO CEILING) ON HORIZONTAL PIPE					
INDICATES "BRANCH LINE RESTRAINT". WHERE BRANCH LINES ARE SUPPORTED BY RODS LESS THAN 6 INCHES LONG MEASURED BETWEEN THE TOP OF PIPE AND THE POINT OF ATTACHMENT TO STRUCTURE, BRANCH LINE RESTRAINT IS NOT REQUIRED.					
ALAIMO ARCHITECTURE INC.					
DISANO SPRINK GR DESIGN BCIN NO. 30002	SUITE 700 MARKHAM L3R 0G4 T 905-4 F 905-4	TON COURT) ONTARIO 477–4474 477–6368 @disanosprinkler.ca			
NORTH	S	TAMP			
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EARTHQUAKE PROTECTION LAYOUT

JANUARY 2023

1:100

PROJECT NO.

DWG NO.

OF 4

23-14587