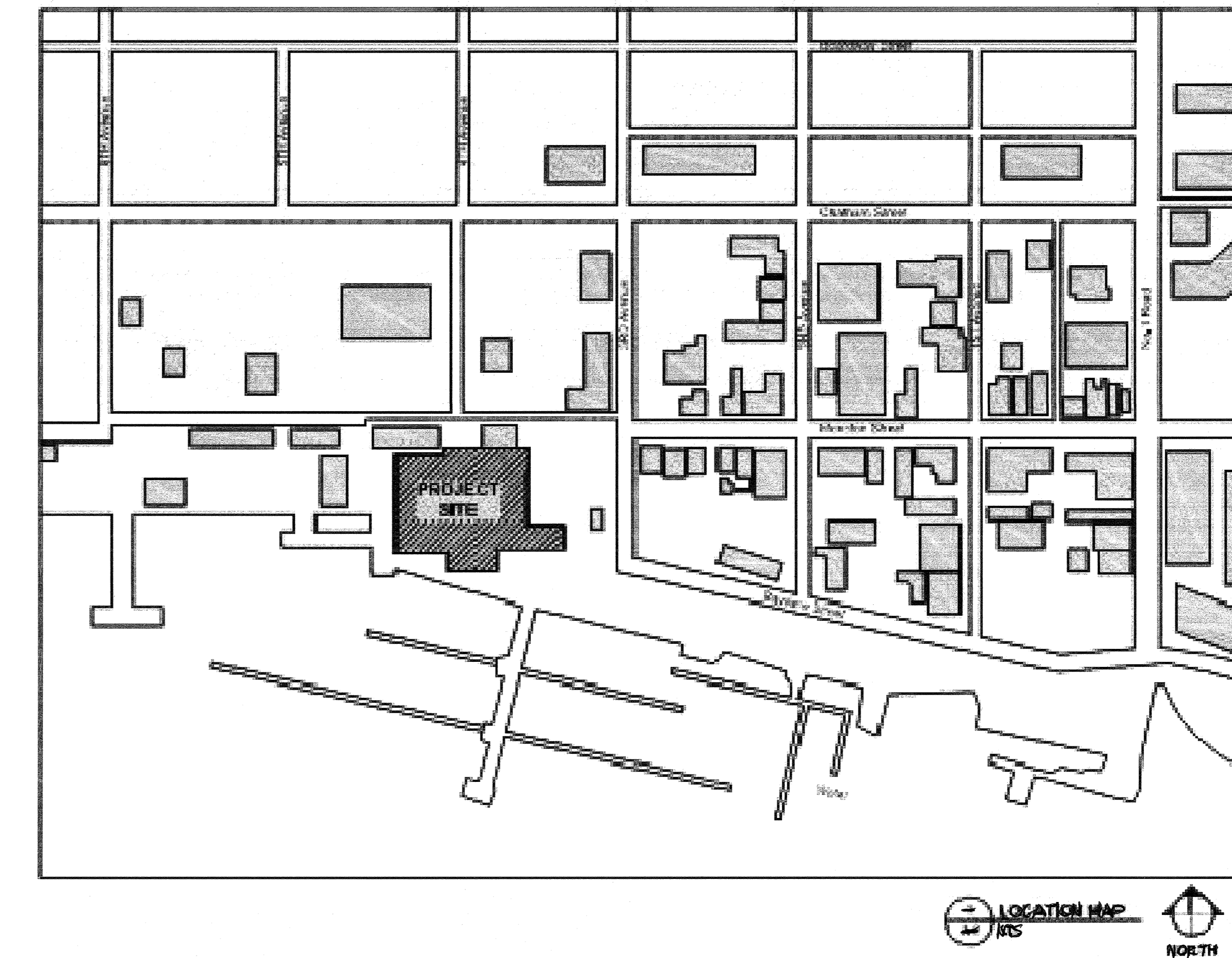


GULF OF GEORGIA CANNERY BUILDING

FIRE PROTECTION SYSTEM REHABILITATION



- ### GENERAL NOTES
- CONTRACTOR SHALL UTILIZE EXISTING OPENINGS THROUGH STRUCTURAL ELEMENTS WHENEVER POSSIBLE TO MINIMIZE THE ADDITION OF NEW OPENINGS. WHERE ABSOLUTELY NECESSARY, CONFIRM LOCATION AND SIZE OF ALL HOLES THROUGH STRUCTURAL MEMBERS WITH STRUCTURAL ENGINEER AND DEPARTMENTAL REPRESENTATIVE. DO NOT CUT TREATED WOOD, SEE SPECIFICATIONS FOR DETAIL.
 - INSTALL HANGERS AT 2440 O/C ON ALL PIPING 2440 AFF OR LOWER.
 - SHIELDS TO PROTECT ELECTRICAL EQUIPMENT SHALL BE INSTALLED.
 - NOT ALL FITTINGS ON SPRINKLERS ARE SHOWN. SOME ADDITIONAL WILL BE REQUIRED DUE TO FIELD CONDITIONS. BIDDERS SHALL TAKE THIS INTO CONSIDERATION WHEN PREPARING THEIR BIDS.
 - CUTTING AND PATCHING OF HISTORIC FABRIC TO BE MINIMIZED WHERE EVER POSSIBLE. WHERE CUTTING AND PATCHING IS REQUIRED, CONTRACTOR TO OUTLINE LOCATIONS AND PROPOSED PATCHING METHODS FOR REVIEW BY DEPARTMENTAL REPRESENTATIVE.
 - ALL NEW PIPING THROUGH FIRE SEPARATIONS SHALL BE FIRE STOPPED WITH TESTED INSTALLATION PROCEDURES AND FIRESTOP MATERIAL. APPLICATION OF FIRESTOP MATERIAL TO BE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SHALL COMPLY WITH ULC TEST REQUIREMENTS. REFER TO SPECIFICATIONS AND HERITAGE CONSULTANT.
 - REMOVE EXISTING CYPRIC AND ACOUSTIC TILE CEILING IN AREAS WHERE REQUIRED TO ACCOMMODATE NEW SPRINKLER PIPING INSTALLATION. REINSTALL CYPRIC CEILINGS, FILL SAND AND PRIME CEILINGS APPLY 2 COATS OF PAINT TO A COMMON LINE. MATCH CYPRIC AND ACOUSTIC TILES WITH EXISTING COLOUR. REFER TO HERITAGE CONSULTANT. CUTTING AND PATCHING OF HISTORIC FABRIC TO BE MINIMIZED WHERE EVER POSSIBLE. WHERE CUTTING AND PATCHING IS REQUIRED, CONTRACTOR TO OUTLINE LOCATIONS AND PROPOSED PATCHING METHODS FOR REVIEW BY DEPARTMENTAL REPRESENTATIVE.
 - ROUTING OF SPRINKLER PIPING INDICATED ON PLANS IS PRIMARILY BASED ON A TYPICAL FLOOR PLAN LAYOUT. ANY VARIANCE NOTED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE DEPARTMENTAL REPRESENTATIVE AND HERITAGE CONSULTANT PRIOR TO PIPING INSTALLATION.
 - CONTRACTOR SHALL COORDINATE THE INSTALLATION OF PIPING WITH EXISTING SMOKE DETECTORS, RECEIPTABLES, EXIT SIGNAGES AND LIGHTS. ENSURE A MIN. DISTANCE OF 6" CLEARANCE FROM SMOKE DETECTORS IS MAINTAINED.
 - WHERE NECESSARY, INSTALL ANY SYSTEM COMPONENTS IN THE NON-CHARACTER DEFINING SPACES SUCH AS CLOSETS, SERVICE ROOMS AND WALL CAVITIES WHERE POSSIBLE.
 - ALL BRANCH LINES IN THE SUPERSTRUCTURE SHALL BE SUPPORTED BY ROOFS LESS THAN 150mm (6") LONG MEASURED BETWEEN THE TOP OF THE PIPE AND THE POINTS OF ATTACHMENT TO THE BUILDING STRUCTURE.

ABBREVIATIONS

| ABBREVIATION | DESCRIPTIONS |
|--------------|-------------------------|
| AF | ABOVE FINISHED FLOOR |
| FD | FLOOR DRAIN |
| PRV | PRESSURE REDUCING VALVE |
| BFP | BACK FLOW PREVENTER |

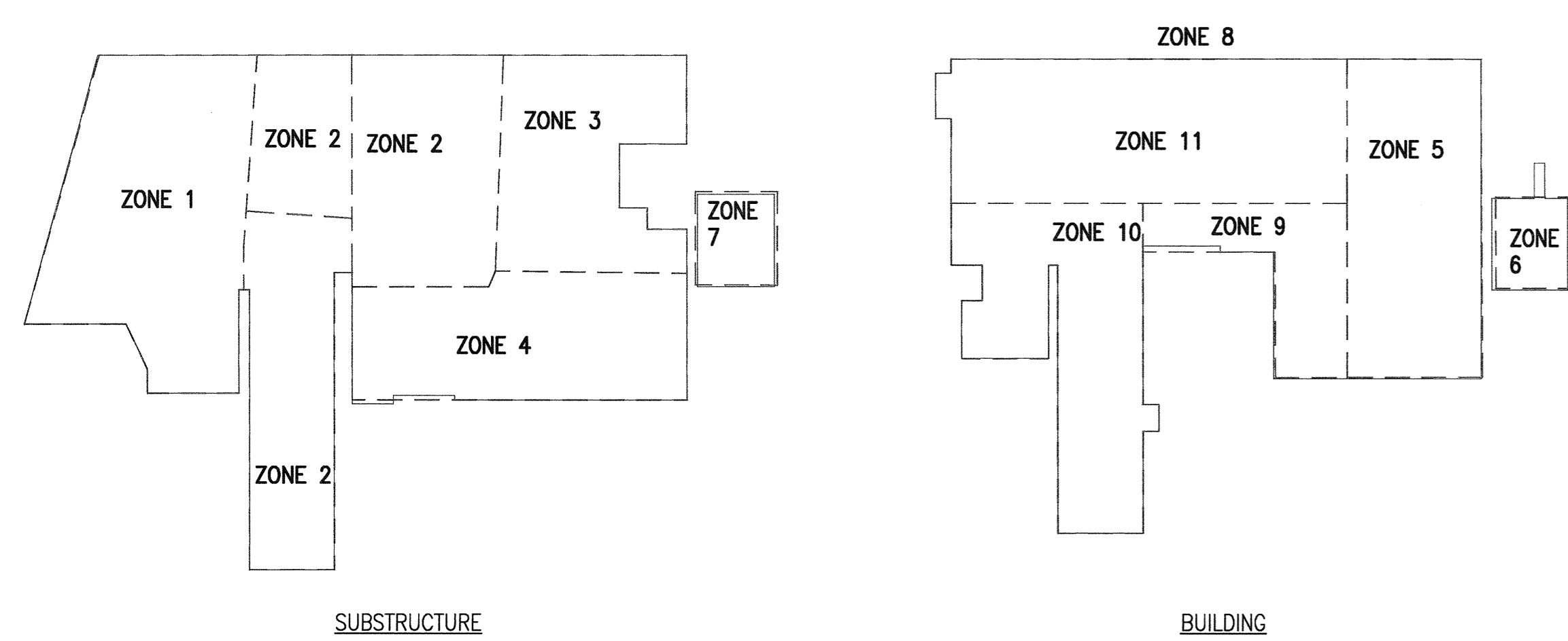
DRAWING LIST

| | |
|------|---|
| FG-1 | COVER PAGE, SITE MAP AND LEGEND |
| FG-2 | SUBSTRUCTURE LAYOUT |
| FG-3 | SUPERSTRUCTURE UNDERSIDE OF ROOF LAYOUT |
| FG-4 | SUPERSTRUCTURE UNDERSIDE OF MEZZANINE LAYOUT ABOVE MEZZANINE LAYOUT |
| FG-5 | SUPERSTRUCTURE SECTIONS |
| FG-6 | SUPERSTRUCTURE SECTIONS AND KEY PLAN—PHOTOS |
| FG-7 | SUPERSTRUCTURE SECTIONS |
| F-1 | FIRE PROTECTION SITE PLAN, DRAWING NOTES AND DETAILS |
| F-2 | SUBSTRUCTURE SPRINKLER LAYOUT |
| F-3 | SUPERSTRUCTURE UNDERSIDE OF ROOF SPRINKLER LAYOUT |
| F-4 | SUPERSTRUCTURE UNDERSIDE OF MEZZANINE SPRINKLER LAYOUT |
| F-5 | SUPERSTRUCTURE ABOVE MEZZANINE SPRINKLER LAYOUT |
| F-6 | SUBSTRUCTURE SECTIONS |
| F-7 | SUPERSTRUCTURE SECTIONS |
| F-8 | WEST BUILDING EXTERIOR PROTECTION SPRINKLER LAYOUT |
| FD-1 | SUBSTRUCTURE EXISTING SPRINKLER LAYOUT—DEMOLITION |
| FD-2 | SUPERSTRUCTURE UNDERSIDE OF ROOF EXISTING SPRINKLER SYSTEM LAYOUT—DEMOLITION |
| FD-3 | SUPERSTRUCTURE UNDERSIDE OF MEZZANINE EXISTING SPRINKLER SYSTEM LAYOUT—DEMOLITION |
| FD-4 | ABOVE MEZZANINE EXISTING SPRINKLER LAYOUT—DEMOLITION |

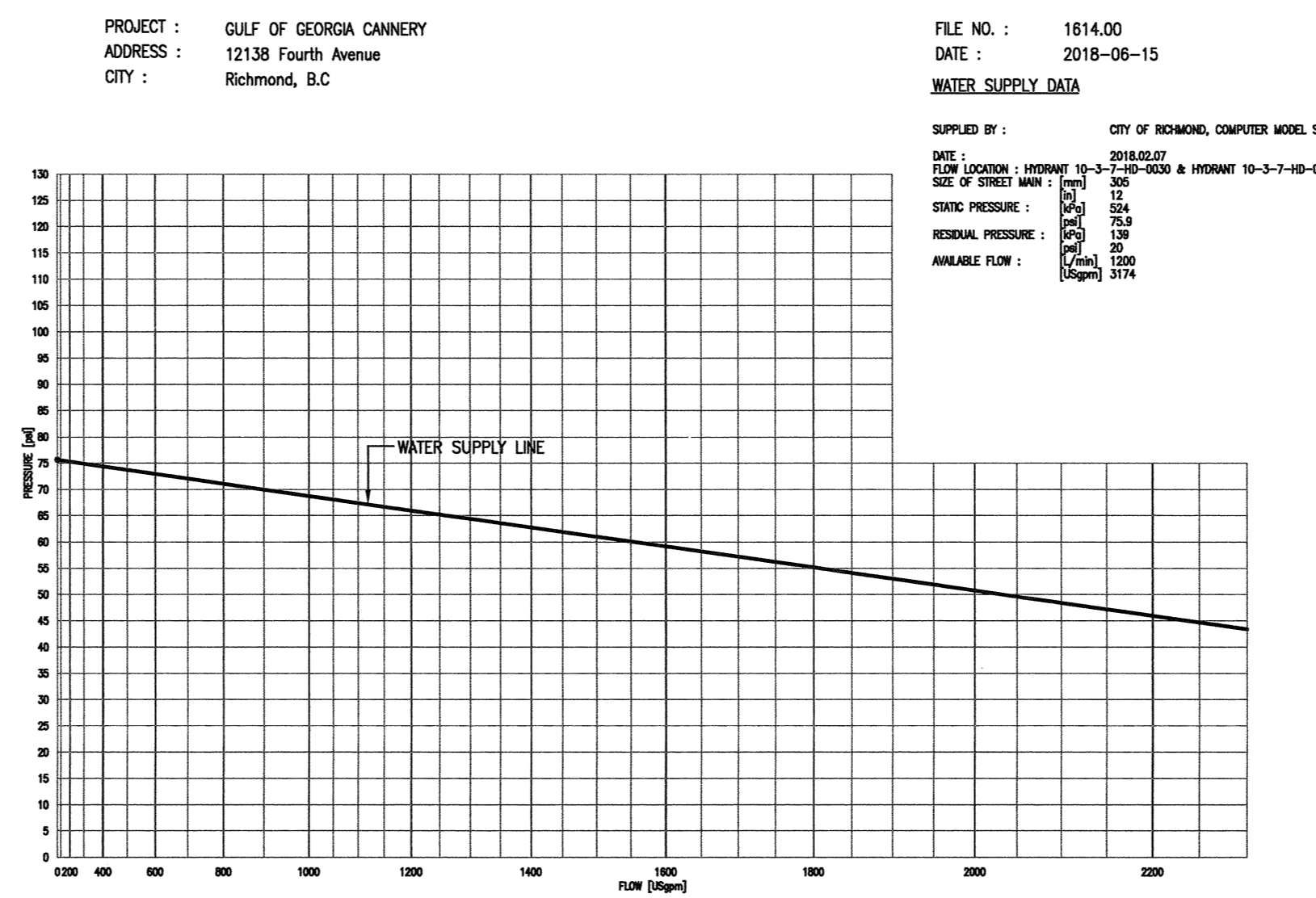
ISSUED FOR TENDER 2018-06-21

Client/Client: PARKS CANADA

Project title/Titre du projet: FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY



KEY PLANS



PLUMBING (RENOVATION) LEGEND

| | | |
|---|------------------------|--|
| --- EXIST. DOM. COLD WATER | ISOLATION VALVE | NON-FREEZE WALL HYDRANT |
| -S- EXIST. SANITARY SEWER | FLOW MEASUREMENT VALVE | PUMP |
| --- EXISTING PIPING TO BE REMOVED OR ABANDONED. REMOVE ALL ACCESSIBLE PIPING. | CHECK VALVE | SUPERVISED SHUT-OFF VALVE |
| --- DOMESTIC COLD WATER | STRAINER | BACKFLOW PREVENTER |
| -S- SANITARY DRAIN/SEWER | UNION | TEMPERATURE GAUGE |
| --- FLOW DIRECTION | CLEANOUT | FLEXIBLE CONNECTOR |
| --- PIPE RISER | CONCRETE THRUST BLOCK | EXPANSION COMPENSATOR AND ALIGNMENT GUIDES |
| --- PIPE DROP | HOSE BIBB | PIPE ANCHOR |
| --- VENT PIPE | FLOOR DRAIN | POINT OF CONNECTION |
| --- DRAIN LINE BELOW SLAB | MANHOLE | POINT OF DISCONNECTION |
| --- PIPE CAP | | |

Consultant Approval Box Only

Designed by/Concept par: RV

Drawn by/Designe par: RVMG

PROJECT: Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY

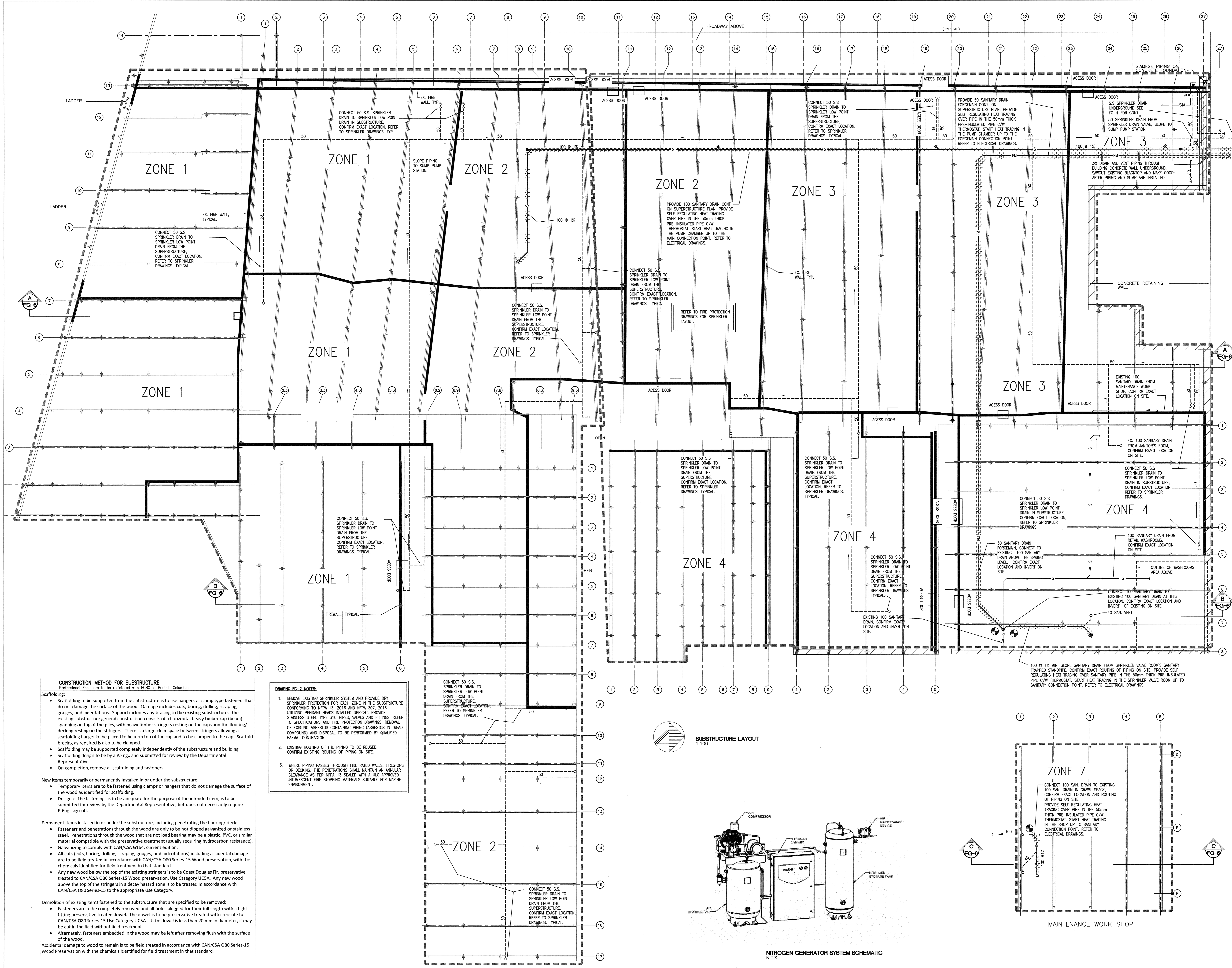
TPSGC, Regional Manager, Architecture and Engineering Services/Pratiquant régional, Services d'architecture et de génie, TPSGC

Drawing title/Titre du dessin: COVER PAGE, SITE MAP AND LEGEND

Project No./No. du projet: R.089515.001

Sheet/Fauille: FG-1 of 7

Revision no./no. de révision: 0



CONSTRUCTION METHOD FOR SUBSTRUCTURE
Professional Engineers to be registered with EGBC in British Columbia.

Scaffolding:

- Scaffolding to be supported from the substructure is to use hangers or clamp type fasteners that do not damage the surface of the wood. Damage includes cuts, boring, drilling, scraping, gouges, and indentations. Support includes any bracing to the existing substructure. The existing substructure general construction consists of a horizontal heavy timber cap (beam) spanning on top of the piles, with heavy timber stringers resting on the caps and the flooring/decking resting on the stringers. There is a large clear space between stringers allowing a scaffolding hanger to be placed to bear on top of the cap and to be clamped to the cap. Scaffold bracing as required is also to be clamped.
- Scaffolding may be supported completely independently of the substructure and building.
- Scaffolding design to be by a P.Eng., and submitted for review by the Departmental Representative.
- On completion, remove all scaffolding and fasteners.

New items temporarily or permanently installed in or under the substructure:

- Temporary items are to be fastened using clamps or hangers that do not damage the surface of the wood as identified for scaffolding.
- Design of the fastenings is to be adequate for the purpose of the intended item, it is to be submitted for review by the Departmental Representative, but does not necessarily require P.Eng. sign-off.

Permanent items installed in or under the substructure, including penetrating the flooring/ deck:

- Fasteners and penetrations through the wood are only to be hot dipped galvanized or stainless steel. Penetrations through the wood that are not load bearing may be a plastic, PVC, or similar material compatible with the preservative treatment (usually requiring hydrocarbon resistance).
- Galvanizing to comply with CAN/CSA G164, current edition.
- All cuts (cuts, boring, drilling, scraping, gouges, and indentations) including accidental damage are to be field treated in accordance with CAN/CSA O80 Series-15 Wood preservation, with the chemicals identified for field treatment in that standard.
- Any new wood below the top of the existing stringers is to be Coast Douglas Fir, preservative treated to CAN/CSA O80 Series-15 Wood preservation, Use Category UCSA. Any new wood above the top of the stringers in a decay hazard zone is to be treated in accordance with CAN/CSA O80 Series-15 to the appropriate Use Category.

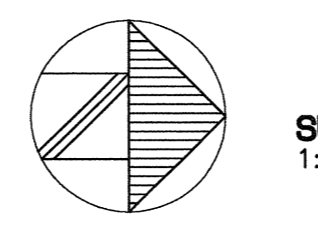
Demolition of existing items fastened to the substructure that are specified to be removed:

- Fasteners are to be completely removed and all holes plugged for their full length with a tight fitting preservative treated dowel. The dowel is to be preservative treated with creosote to CAN/CSA O80 Series-15 Use Category UCSA. If the dowel is less than 20 mm in diameter, it may be cut in the field without field treatment.
- Alternately, fasteners embedded in the wood may be left after removing flush with the surface of the wood.

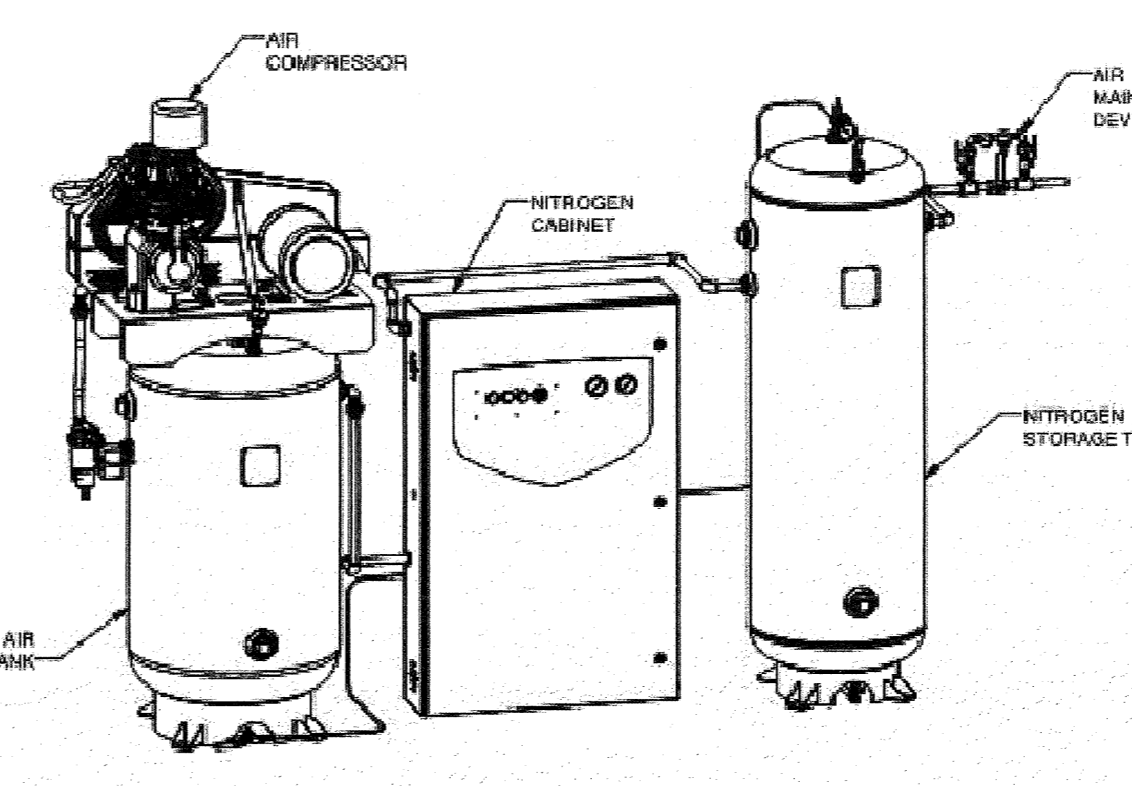
Accidental damage to wood to remain is to be field treated in accordance with CAN/CSA O80 Series-15 Wood Preservation with the chemicals identified for field treatment in that standard.

DRAWING FG-2 NOTES:

- REMOVE EXISTING SPRINKLER SYSTEM AND PROVIDE DRY SPRINKLER PROTECTION FOR EACH ZONE IN THE SUBSTRUCTURE CONFORMING TO NFPA 13, 2016 AND NFPA 307, 2016 UTILIZING PENDANT HEADS INSTALLED UPRIGHT. PROVIDE STAINLESS STEEL TYPE 316 PIPES, VALVES AND FITTINGS REFER TO SPECIFICATIONS AND FIRE PROTECTION DRAWINGS. REMOVAL OF EXISTING ASBESTOS CONTAINING PIPING (ASBESTOS IN TREAD CONCRETE) AND DISPOSAL TO BE PERFORMED BY QUALIFIED HAZMAT CONTRACTOR.
- EXISTING ROUTING OF THE PIPING TO BE REUSED. CONFIRM EXISTING ROUTING OF PIPING ON SITE.
- WHERE PIPING PASSES THROUGH FIRE RATED WALLS, FIRESTOPS OR DECKING, THE PENETRATIONS SHALL MAINTAIN AN ANNUAL CLEARANCE AS PER NFPA 13 SEALED WITH A UL APPROVED INTUMESCENT FIRE STOPPING MATERIALS SUITABLE FOR MARINE ENVIRONMENT.



SUBSTRUCTURE LAYOUT
1:100



NITROGEN GENERATOR SYSTEM SCHEMATIC
N.T.S.

| Revision/Revisions | Description/Description | Date/Date |
|--------------------|-------------------------|------------|
| 0 | ISSUED FOR TENDER | 2016-06-22 |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |

Client/Client

PARKS CANADA

Project title/Titre du projet

FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY

Consultant Approval Box Only

Designed by/Concept par
RV

Drawn by/Dessiné par
RWVG

PM/SC Project Manager/Administrateur de Projets TP/SC
TOM DUNPHY

PM/SC, Regional Manager, Architectural and Engineering Services/
Directeur régional, Services d'architecture et de génie, TP/SC
Pratiquant Pall

Drawing title/Titre du dessin
SUBSTRUCTURE LAYOUT

Project No./No. du projet
R.089515.001

Sheet/Fauille
FG-2

Revision no./
no. de la Révision
0

OF 7



[Signature]
 17.11.2018

| | | |
|---|-------------------------|------------|
| 0 | ISSUED FOR TENDER | 2018-09-27 |
| 1 | DESCRIPTION/DESCRIPTION | |
| 2 | CLIENT/CLIENT | |

PARKS CANADA

Project title/Titre du projet

FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY

Consultant Approval Box Only
 Designed by/Concept par
RV

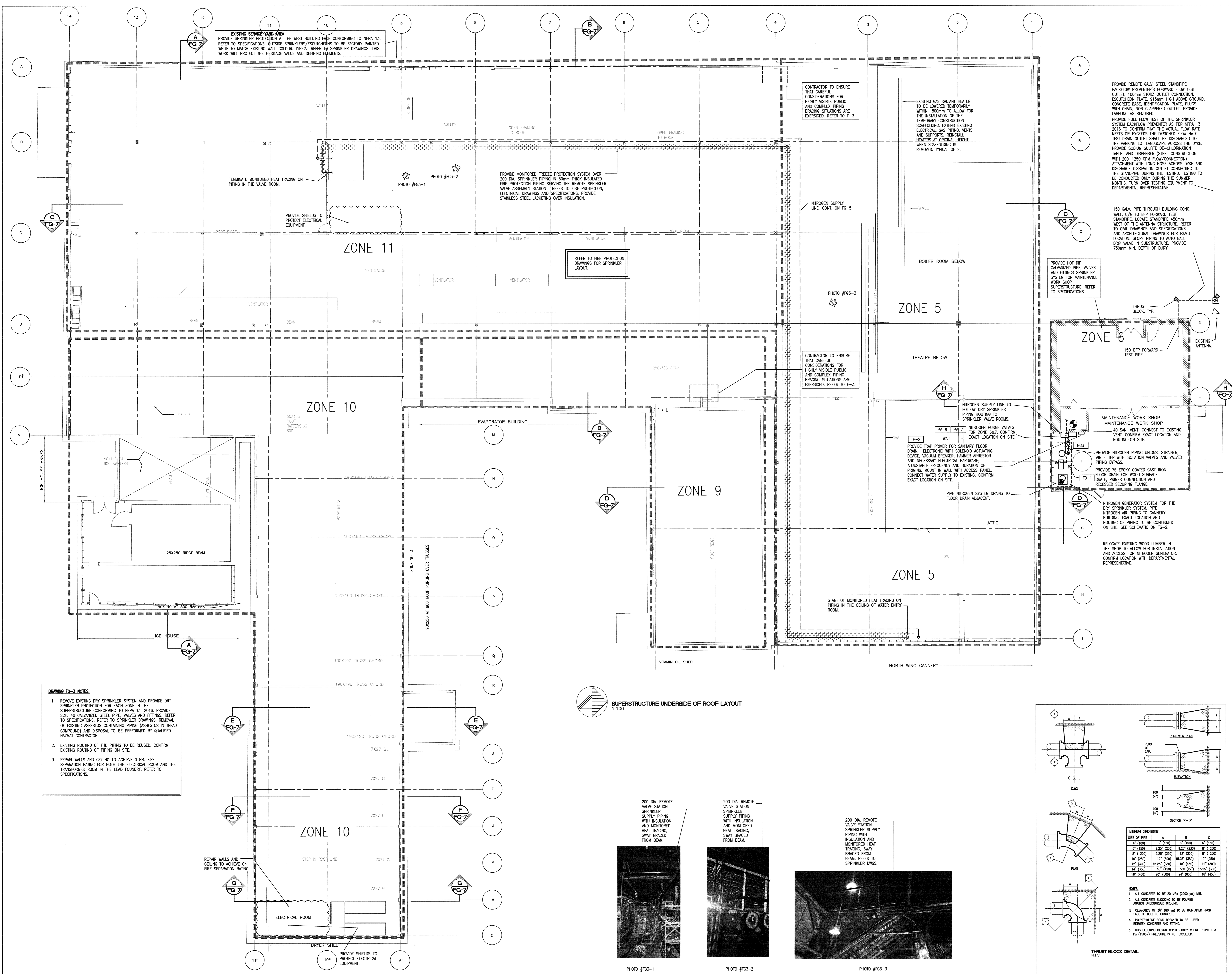
Drawn by/Designé par
RV

Project Manager/Administrateur de Projets TFSOC
TOM DUNPHY

Project Manager, Architectural and Engineering Services/
 Responsable régional, Services d'architecture et de génie, TFSOC
Pratipal Paul

Drawing title/Titre du dessin
SUPERSTRUCTURE UNDERSIDE OF ROOF LAYOUT

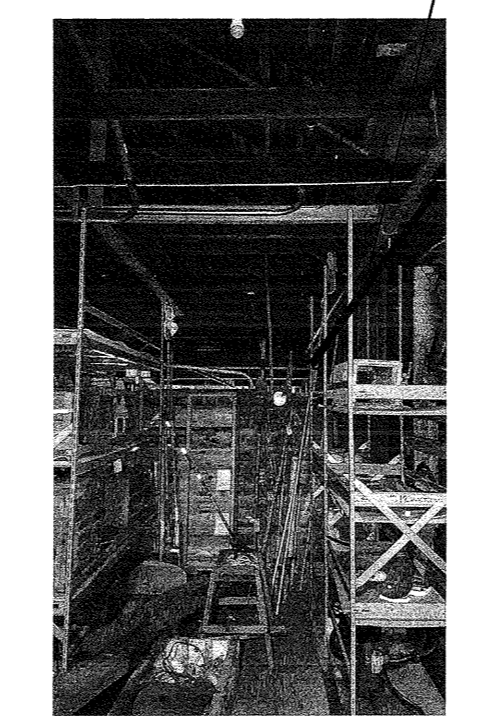
| | | |
|---------------------------|---------------|------------------------------|
| Project No./No. du projet | Sheet/Feuille | Revision no./ La Révision |
| R.089515.001 | FG-3 | 0 |
| | OF 7 | |



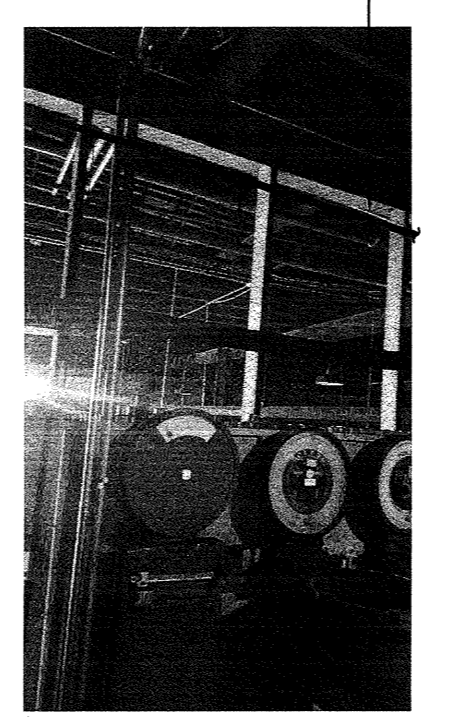
- DRAWING FG-3 NOTES:**
- REMOVE EXISTING DRY SPRINKLER SYSTEM AND PROVIDE DRY SPRINKLER PROTECTION FOR EACH ZONE IN THE SUPERSTRUCTURE CONFORMING TO NFPA 13, 2016. PROVIDE SCHED. 40 GALVANIZED STEEL PIPE, VALVES AND FITTINGS. REFER TO SPECIFICATIONS. REFER TO SPRINKLER DRAWINGS. REMOVAL OF EXISTING ASBESTOS CONTAINING PIPING (ASBESTOS IN TREAD COMPOUND) AND DISPOSAL TO BE PERFORMED BY QUALIFIED HAZMAT CONTRACTOR.
 - EXISTING ROUTING OF THE PIPING TO BE REUSED. CONFIRM EXISTING ROUTING OF PIPING ON SITE.
 - REPAIR WALLS AND CEILING TO ACHIEVE 0 HR. FIRE SEPARATION RATING FOR BOTH THE ELECTRICAL ROOM AND THE TRANSFORMER ROOM IN THE LEAD FOUNDRY. REFER TO SPECIFICATIONS.

SUPERSTRUCTURE UNDERSIDE OF ROOF LAYOUT
 1:100

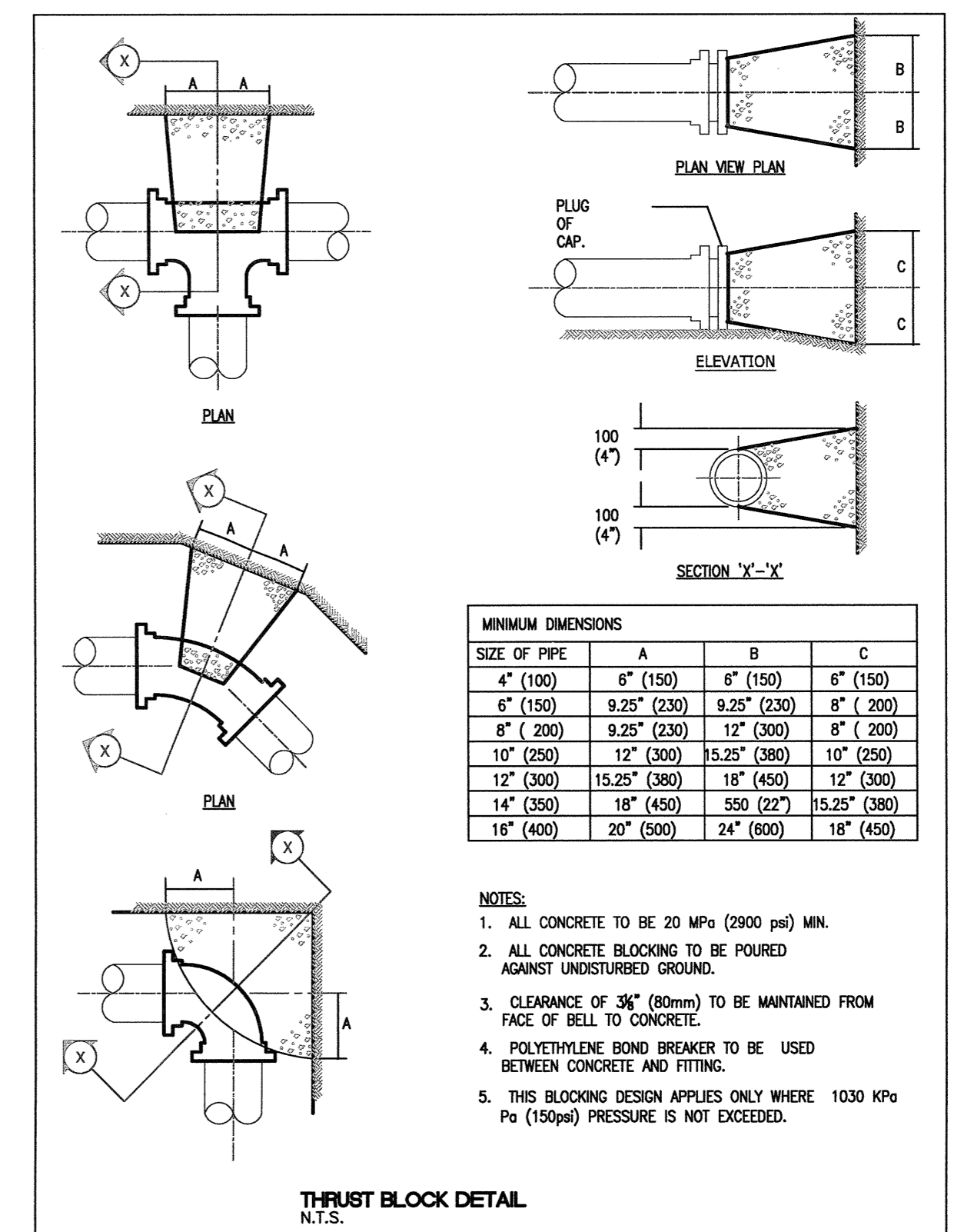
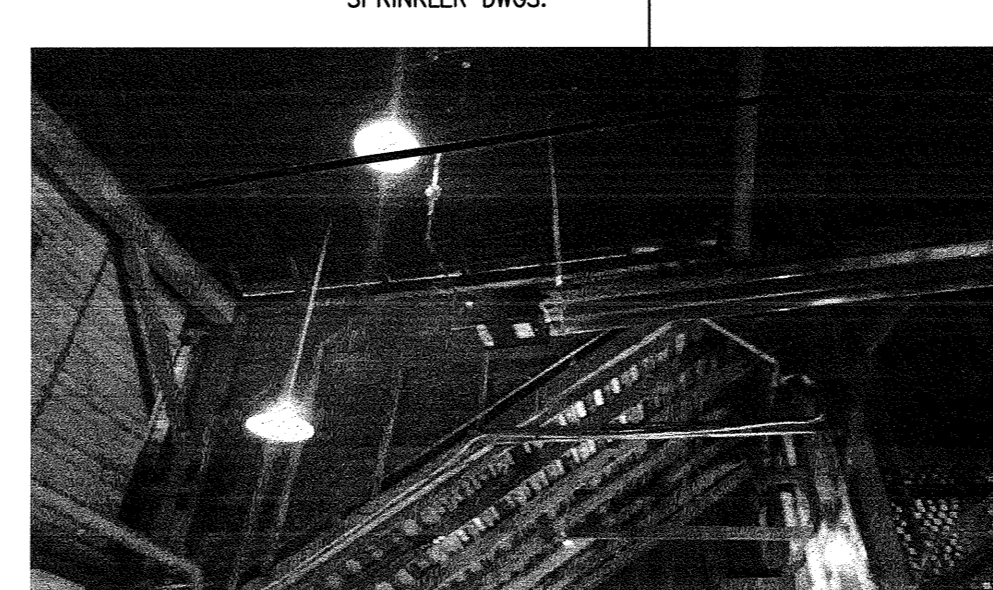
200 DIA. REMOTE VALVE STATION SPRINKLER SUPPLY PIPING WITH INSULATION AND MONITORED HEAT TRACING, SWAY BRACED FROM BEAM.



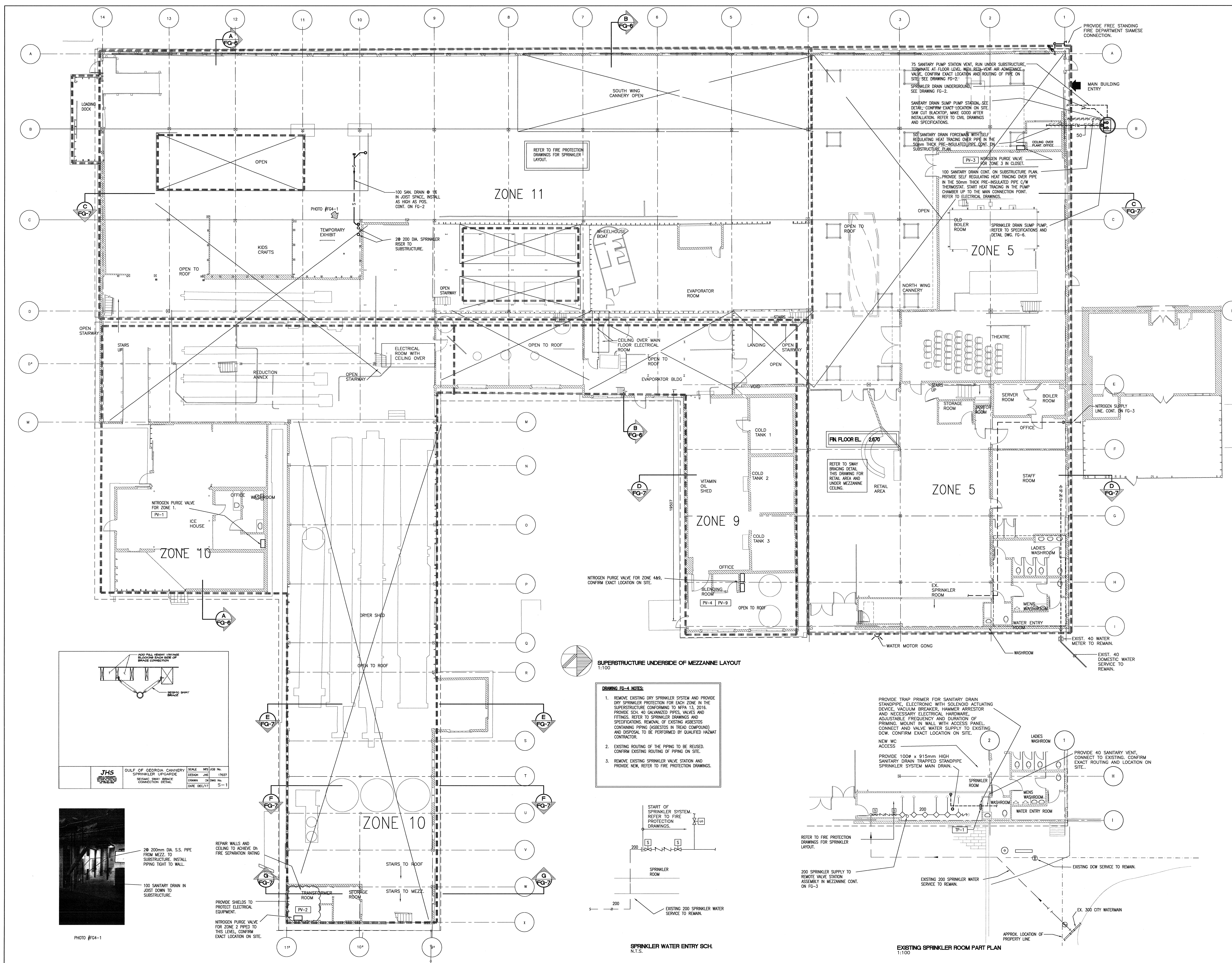
200 DIA. REMOTE VALVE STATION SPRINKLER SUPPLY PIPING WITH INSULATION AND MONITORED HEAT TRACING, SWAY BRACED FROM BEAM.



200 DIA. REMOTE VALVE STATION SPRINKLER SUPPLY PIPING WITH INSULATION AND MONITORED HEAT TRACING, SWAY BRACED FROM BEAM. REFER TO SPRINKLER DWGS.

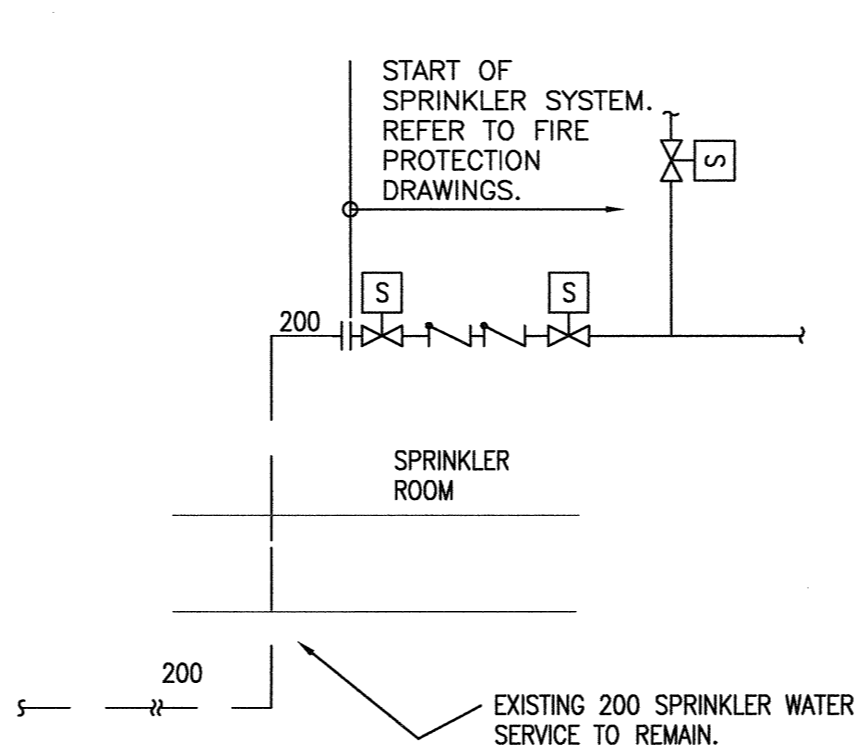


APPROVED FOR CONSTRUCTION
 14. MAURITICUS
 17 JUL 2016

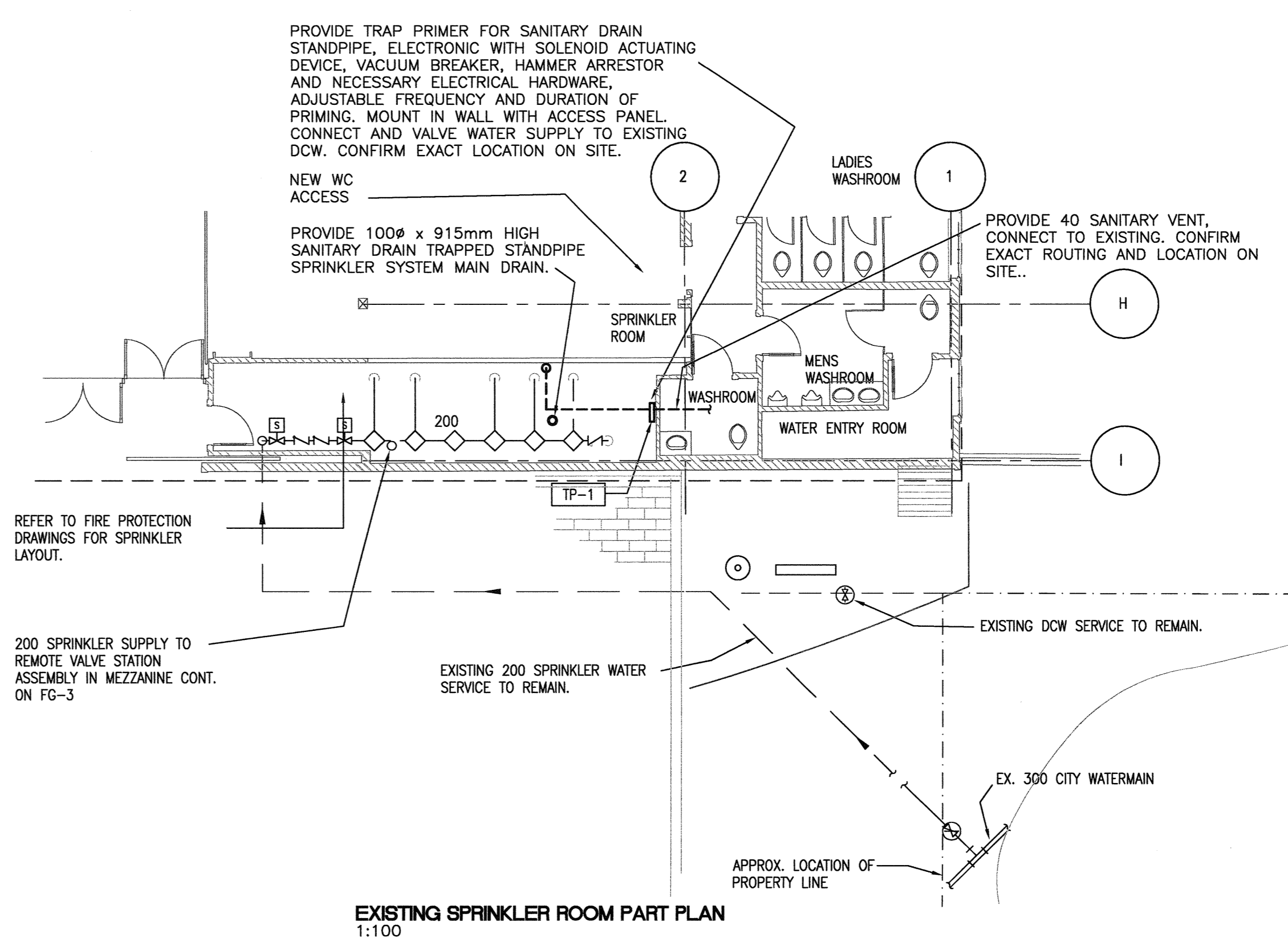


SUPERSTRUCTURE UNDERSIDE OF MEZZANINE LAYOUT
 1:100

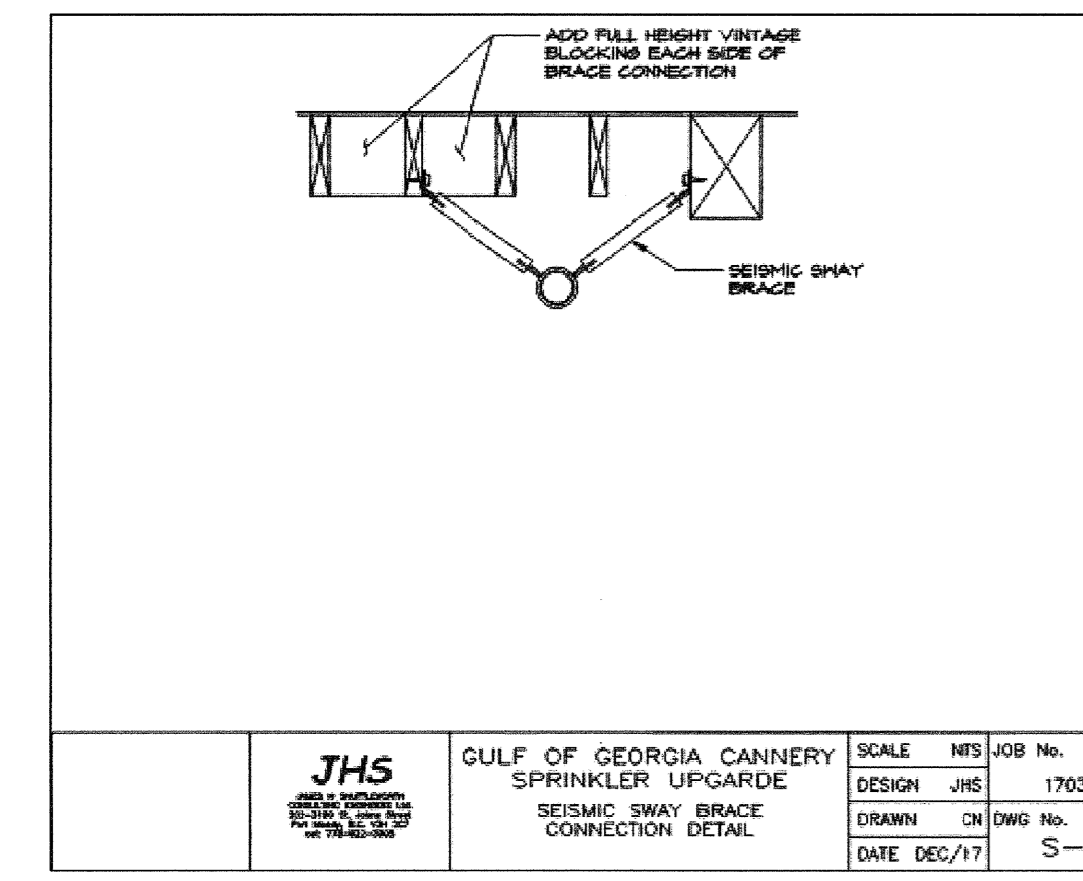
- DRAWING FG-4 NOTES:**
- REMOVE EXISTING DRY SPRINKLER SYSTEM AND PROVIDE DRY SPRINKLER PROTECTION FOR EACH ZONE IN THE SUPERSTRUCTURE CONFORMING TO NFPA 13, 2016. PROVIDE SCH. 40 GALVANIZED PIPES, VALVES AND FITTINGS. REFER TO SPRINKLER DRAWINGS AND SPECIFICATIONS. REMOVAL OF EXISTING ASBESTOS CONTAINING PIPING (ASBESTOS IN TRISAB COMPOUND) AND DISPOSAL TO BE PERFORMED BY QUALIFIED HAZMAT CONTRACTOR.
 - EXISTING ROUTING OF THE PIPING TO BE REUSED. CONFIRM EXISTING ROUTING OF PIPING ON SITE.
 - REMOVE EXISTING SPRINKLER VALVE STATION AND PROVIDE NEW, REFER TO FIRE PROTECTION DRAWINGS.



SPRINKLER WATER ENTRY SCH.
 N.T.S.



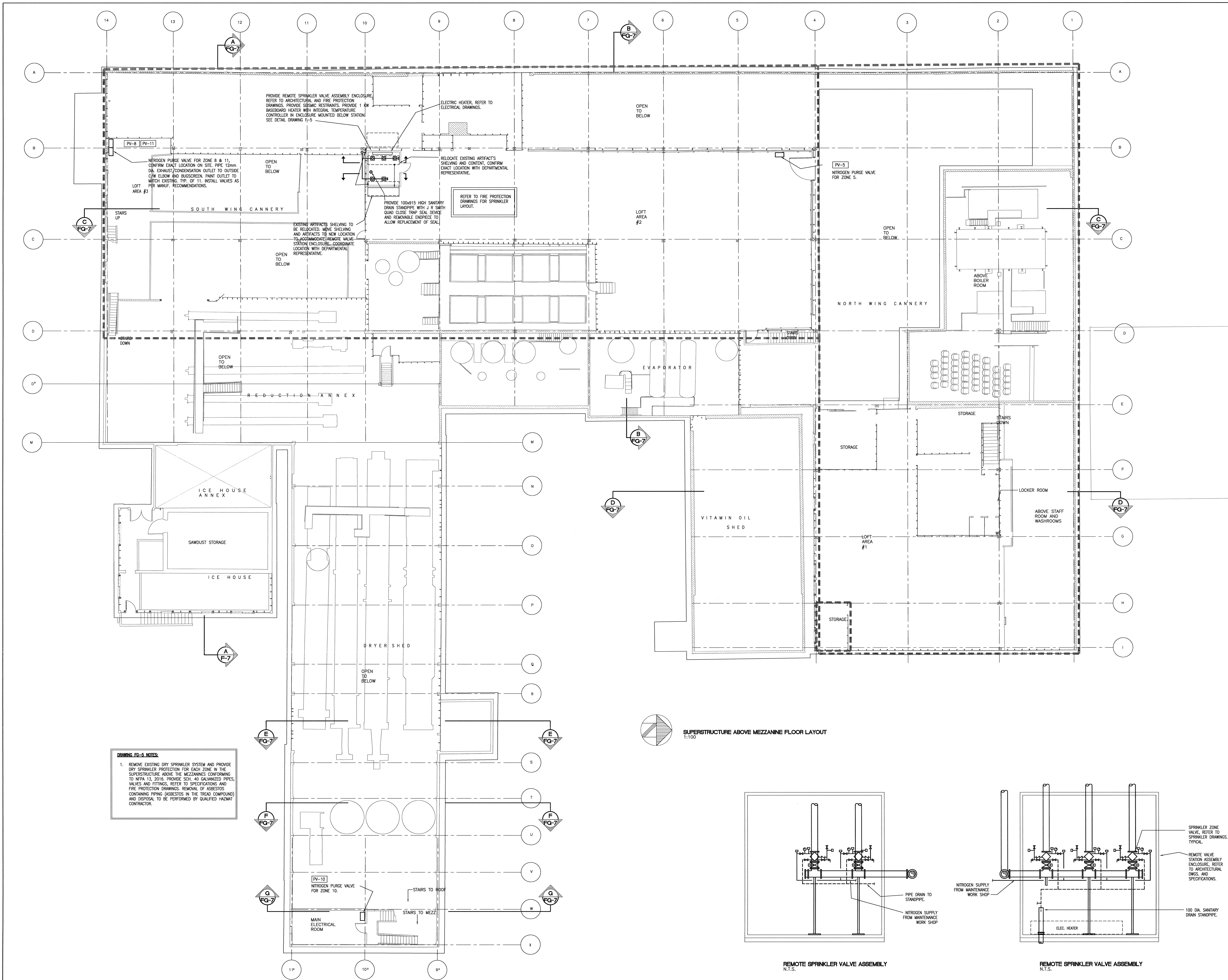
EXISTING SPRINKLER ROOM PART PLAN
 1:100



200 200mm DIA. S.S. PIPE FROM MEZZ. TO SUBSTRUCTURE. INSTALL PIPING TIGHT TO WALL.
 REPAIR WALLS AND CEILING TO ACHIEVE ON FIRE SEPARATION RATING.
 100 SANITARY DRAIN IN JOIST DOWN TO SUBSTRUCTURE.
 PROVIDE SHIELDS TO PROTECT ELECTRICAL EQUIPMENT.
 NITROGEN PURGE VALVE FOR ZONE 2 PIPED TO THIS LEVEL. CONFIRM EXACT LOCATION ON SITE.

| Revision/Description | Date/Date |
|---|--------------------------------------|
| 0 | ISSUED FOR TENDER 2016-06-22 |
| 1 | DESCRIPTION/DESCRIPTION |
| Client/Client | |
| PARKS CANADA | |
| Project title/Titre du projet | |
| FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY | |
| Consultant Approval Box Only | |
| Designed by/Concept par RV | |
| Drawn by/Designe par RVWC | |
| Project Manager/Administrateur de Projets TPSGC TOM DUNPHY | |
| TPSGC Regional Manager, Architectural and Engineering Services/ Gestionnaire régional, Services d'architecture et de génie, TPSGC (Prepared Part) | |
| Drawing title/Titre du dessin SUPERSTRUCTURE UNDERSIDE OF MEZZANINE LAYOUT | |
| Project No./No. du projet R.089515.001 | Sheet/Feuille FG-4 OF 7 |
| Revision no./ La Modification 0 | |

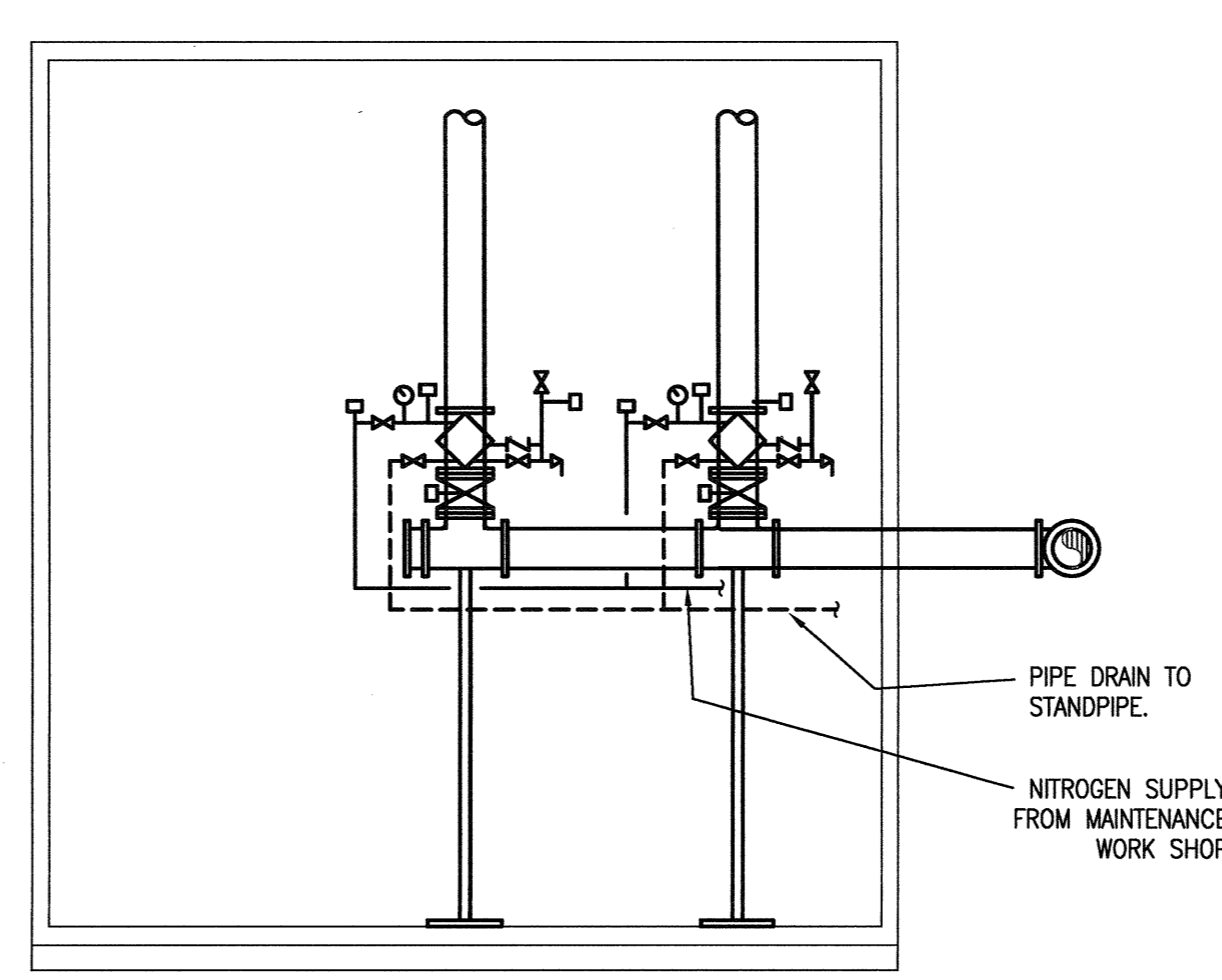




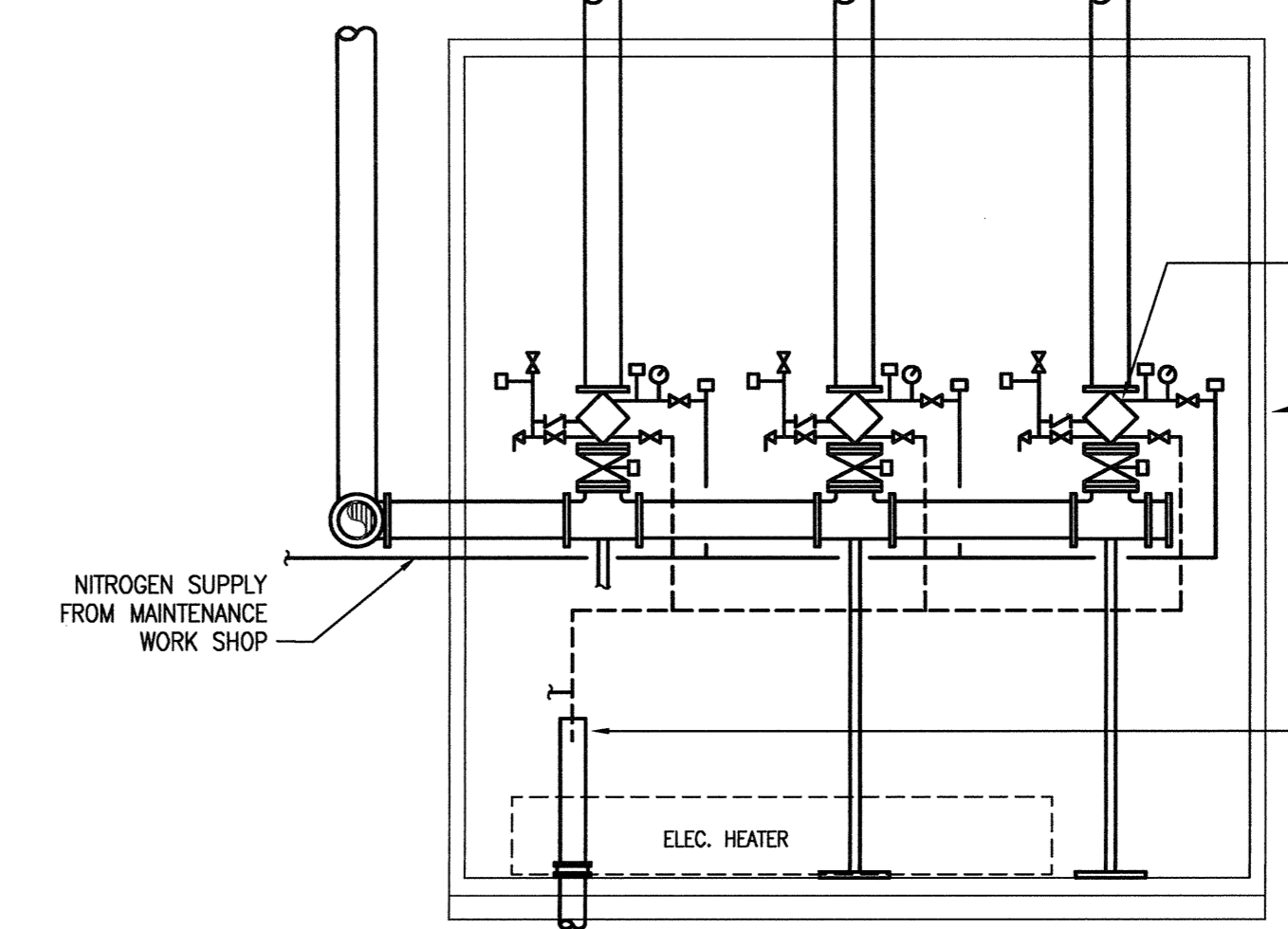
DRAWING FG-5 NOTES:

- REMOVE EXISTING DRY SPRINKLER SYSTEM AND PROVIDE DRY SPRINKLER PROTECTION FOR EACH ZONE IN THE SUPERSTRUCTURE ABOVE THE MEZZANINES CONFORMING TO NFPA 13, 2016. PROVIDE SCH. 40 GALVANIZED PIPES, VALVES AND FITTINGS. REFER TO SPECIFICATIONS AND FIRE PROTECTION DRAWINGS. REMOVAL OF ASBESTOS CONTAINING PIPING (ASBESTOS IN THE TREAD COMPOUND) AND DISPOSAL TO BE PERFORMED BY QUALIFIED HAZMAT CONTRACTOR.

SUPERSTRUCTURE ABOVE MEZZANINE FLOOR LAYOUT
1:100



REMOTE SPRINKLER VALVE ASSEMBLY
N.T.S.



REMOTE SPRINKLER VALVE ASSEMBLY
N.T.S.

SPRINKLER ZONE VALVE. REFER TO SPRINKLER DRAWINGS. TYPICAL.

REMOTE VALVE STATION ASSEMBLY ENCLOSURE. REFER TO ARCHITECTURAL DWGS. AND SPECIFICATIONS.

100 DIA. SANITARY DRAIN STANDPIPE.

ELEC. HEATER

NITROGEN SUPPLY FROM MAINTENANCE WORK SHOP

PIPE DRAIN TO STANDPIPE

NITROGEN SUPPLY FROM MAINTENANCE WORK SHOP

[Signature]
11 2018

| | |
|-------------------------|------------|
| ISSUED FOR TENDER | 2018-08-22 |
| Description/Description | Date/Date |

PARKS CANADA

Project title/Titre du projet

FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY

Consultant Approval Box Only

Designed by/Concept par
RV

Drawn by/Dessiné par
RV/MVC

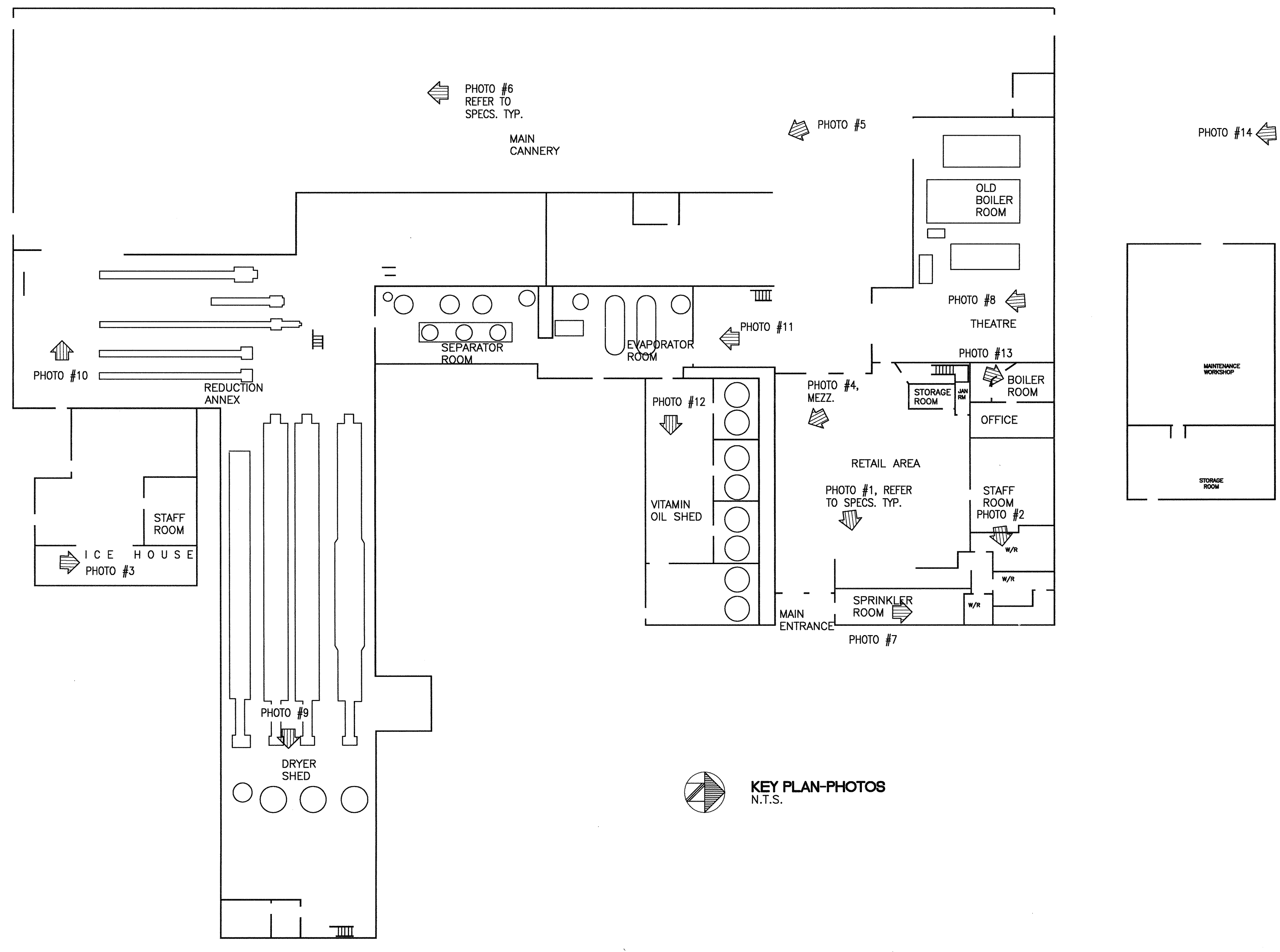
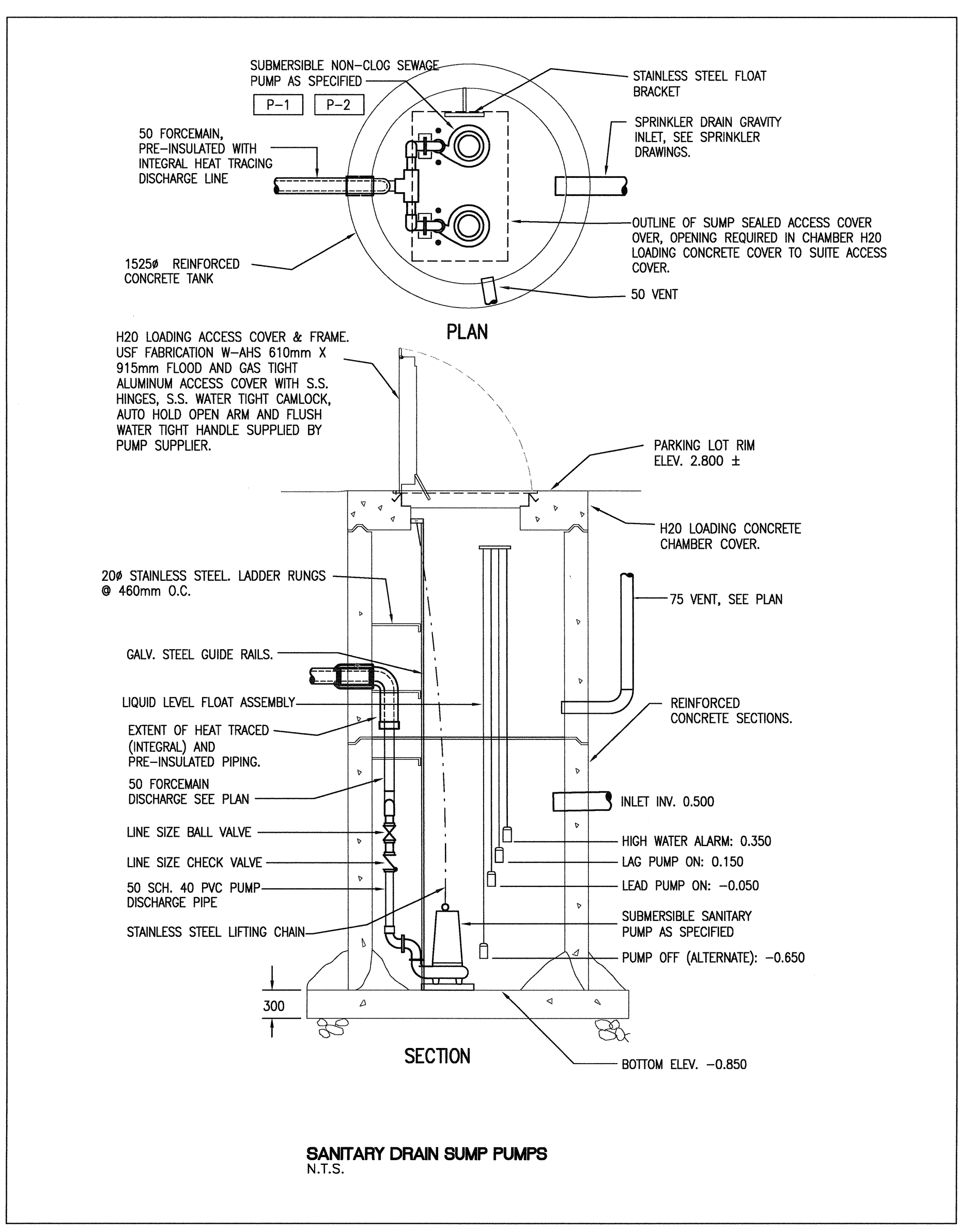
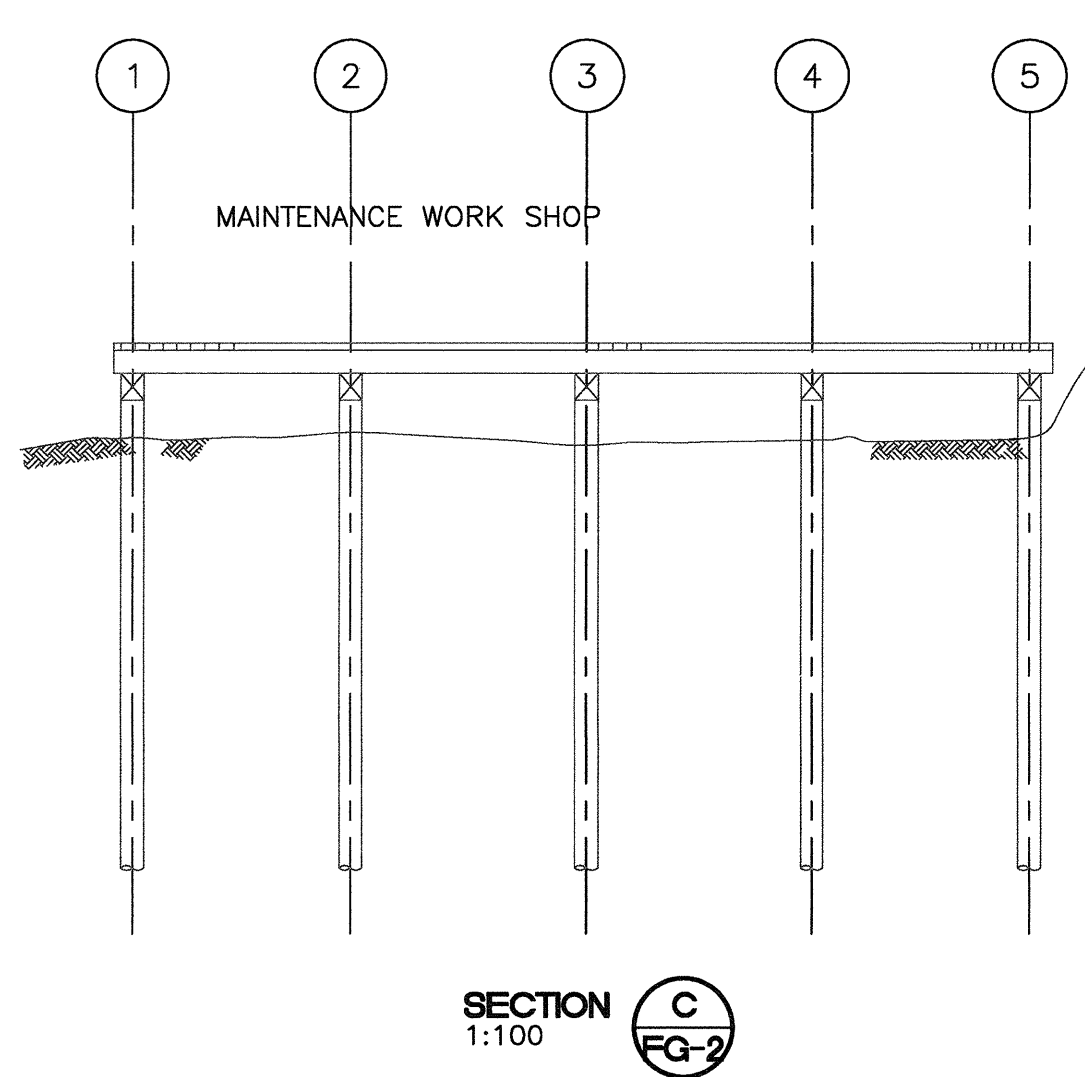
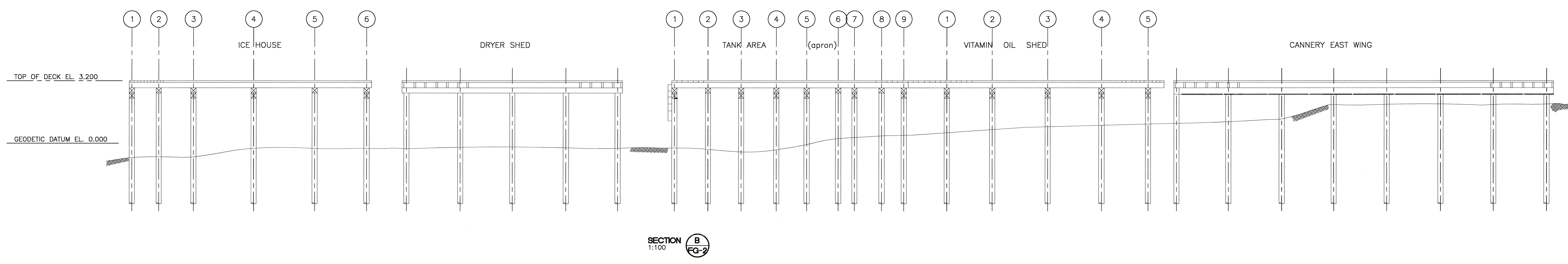
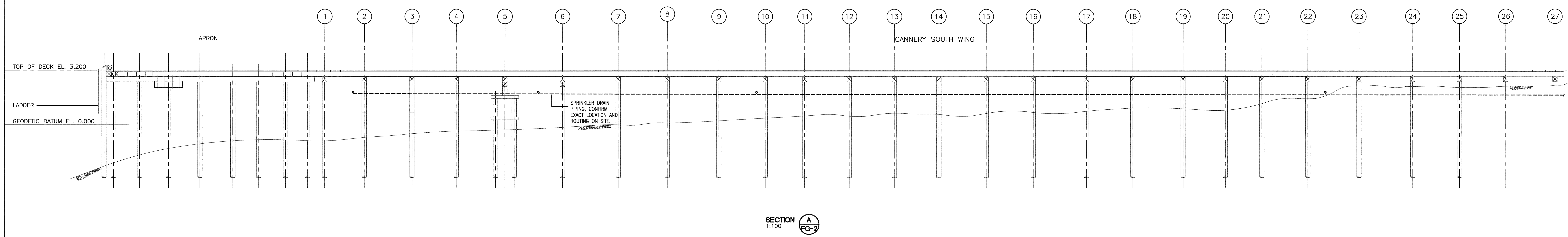
Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY

TPSGC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régional, Services d'architecture et de génie, TPSGC
Président/Prés

SUPERSTRUCTURE ABOVE MEZZANINE LAYOUT

| | | |
|---------------------------|---------------|------------------------------|
| Project No./No. du projet | Sheet/Feuille | Revision no./ La Révision |
| R.089515.001 | FG-5 OF 7 | 0 |





| Revision/Description | Date/Date |
|----------------------|------------|
| 0 ISSUED FOR TENDER | 2016-06-22 |
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |
| 21 | |
| 22 | |
| 23 | |
| 24 | |
| 25 | |
| 26 | |
| 27 | |

Client/Client: **PARKS CANADA**

Project Title/Titre du projet: **FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY**

Consultant Approval Box Only

Designed by/Concept par: **RV**

Drawn by/Desainé par: **RVVC**

Project Manager/Administrateur de Projets: **TOM DUNPHY**

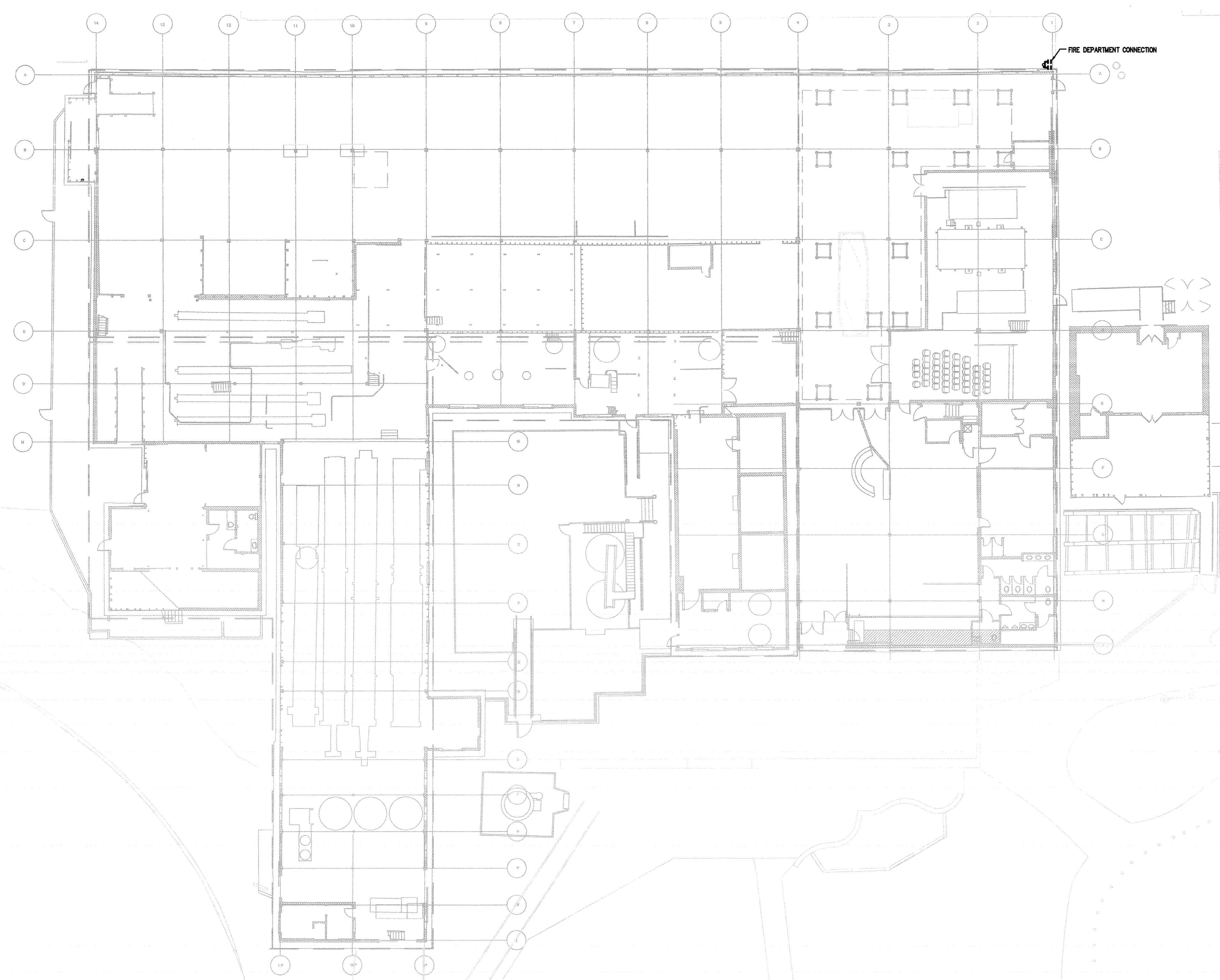
Project No./No. du projet: **R.089515.001**

Sheet/Feuille: **FG-6**

Revision no./Le Révision: **0**

of 7





SITE PLAN
SCALE: 1:200

FIRE PROTECTION DESIGN NOTES

FIRE SUPPRESSION SPRINKLER SYSTEM DESIGNED TO NFPA 13 (2016 EDITION) AND NFPA 307 (2016 EDITION) PORTABLE FIRE SUPPRESSION SYSTEM DESIGNED TO NFPA 10 (2018 EDITION) IN CONJUNCTION WITH THE NATIONAL BUILDING CODE OF CANADA (2015 EDITION) AND THE CODE OF MINIMUM REQUIREMENTS REPORT PREPARED BY GHE CONSULTANTS LTD, DATED OCT. 14, 2015.

DESIGN CRITERIA:

NFPA 13, SECTIONS 11 - 13
 DRY SYSTEM - WHOLE BUILDING PROTECTION EXCEPT AS NOTED BELOW
 OCCUPANCY: ORDINARY HAZARD GROUP 2
 DENSITY: 0.149 LPM/50 M OVER 235.61 SQ M
 HOSE STREAM DEMAND: 846.35 LPM

DRY SYSTEM - RETAIL AREA, AREA UNDER MEZZANINE AND AREA ABOVE MEZZANINE NOT PROTECTED FROM ROOF.
 OCCUPANCY: ORDINARY HAZARD GROUP 2
 DENSITY: 0.149 LPM/50 M OVER 181.16 SQ M
 HOSE STREAM DEMAND: 846.35 LPM

DRY SYSTEM - WEST EXTERIOR BUILDING FACE PROTECTION
 MAXIMUM 2.44M SPACING EQUAL SPACER HEAD FOR NFPA 13.
 DENSITY: 0.203 LPM PER SPRINKLER HEAD OVER 7 HEADS
 HOSE STREAM DEMAND: 846.35 LPM

NFPA 307, SECTION 4.3.3.1.3
 DRY SYSTEM - SUBSTRUCTURE
 OCCUPANCY: ORDINARY HAZARD GROUP 2
 DENSITY: 0.149 LPM/50 M OVER 400 SQ M
 HOSE STREAM DEMAND: 846.35 LPM

WATER SUPPLY INFORMATION: CITY OF RICHMOND
 STATIC PRESSURE: 0.36 BAR
 RESIDUAL PRESSURE: 4.27 BAR @ 8884 LPM

FIRE PROTECTION PLANS: DIMENSIONS SHOWN ARE APPROXIMATE AND SHOULD BE CONFIRMED ON SITE. IT IS THE OWNER'S RESPONSIBILITY TO ENSURE THAT TEMPERATURES ABOVE 40°F (4°C) MUST BE MAINTAINED IN ALL AREAS SERVED BY WET SPRINKLER COMPONENTS.

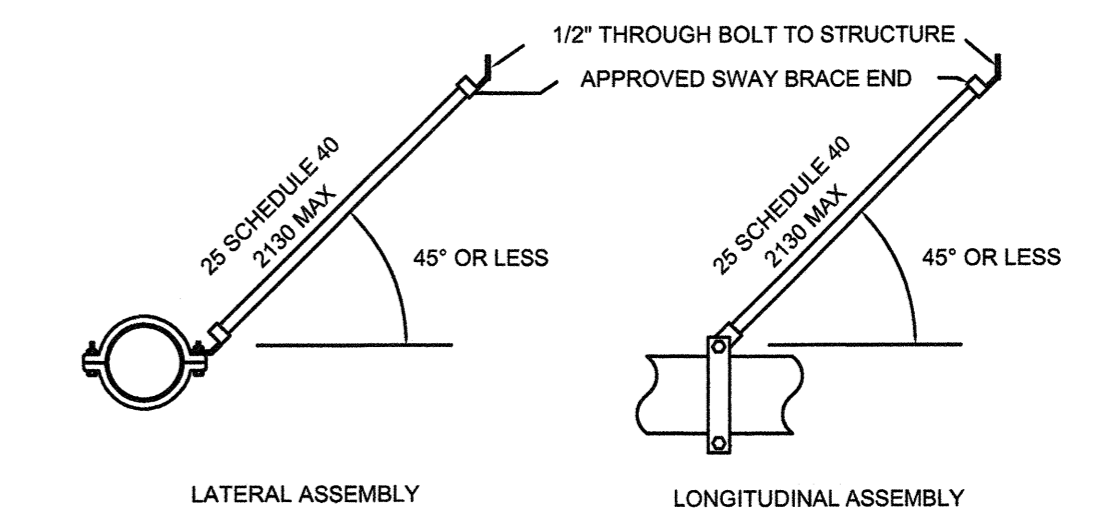
OBSTRUCTIONS BELOW SPRINKLER HEADS: LIGHTS, DUCTS, PIPE WORK, ETC. ALL CONTIGUOUS OBSTRUCTIONS MUST BE INSTALLED A MINIMUM OF 18 INCHES FROM THE SPRINKLER HEAD DEFLECTOR TO ENSURE A PROPER SPRINKLER DISCHARGE PATTERN DEVELOPMENT.

TESTING AND MAINTENANCE: TO MEET NFPA 25 STANDARD, ENSURE PERIODIC INSPECTIONS TAKE PLACE WHILE INSTALLATION IS IN PROGRESS. MAINTENANCE MANUALS ARE REQUIRED AT COMPLETION OF THE PROJECT.

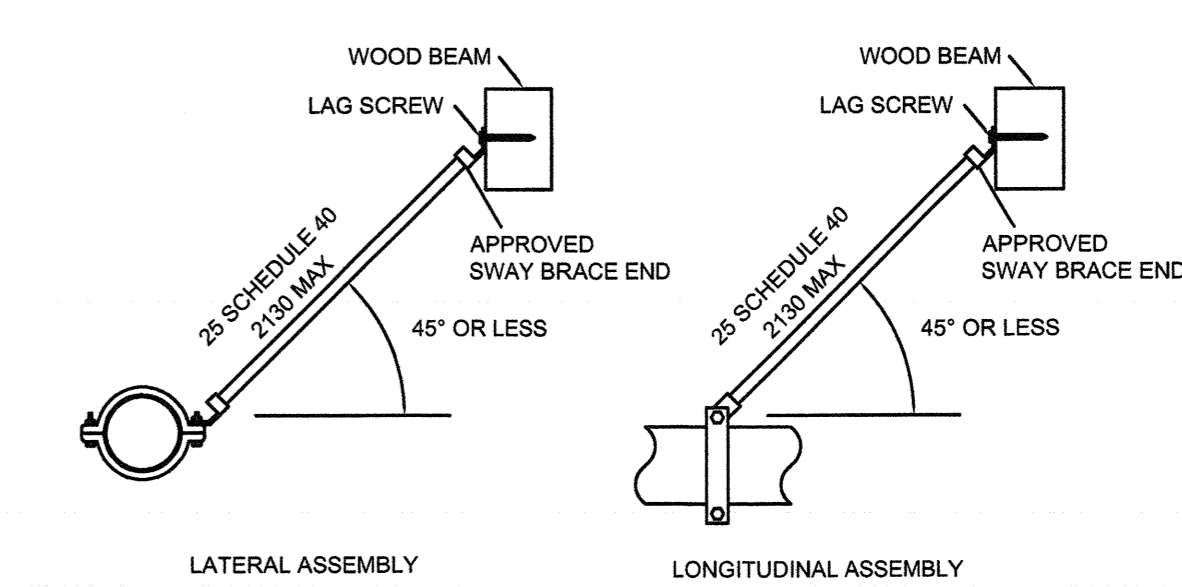
SYSTEM COMPONENTS: ALL MATERIALS USED MUST MEET ALL NFPA 13, ALL COMPONENTS MUST BE UL LISTED AND MEET ALL AUTHORITIES REQUIREMENTS.

PIPING INSIDE OF BUILDING: HOT-DIPPED GALVANIZED STEEL, SCHEDULE 40, THREADED JOINT AND FITTINGS.
 PIPING UNDER SUBSTRUCTURE: 316/316L, SCHEDULE 40 STAINLESS STEEL, SOLDER JOINTS AND FITTINGS.

EXCLUSIONS: UNDERGROUND MAINS ELECTRICAL WORK OF ANY KIND
 MATERIAL LIFTING FACILITIES PAINTING, CITY WATER CONNECTION COSTS
 HEAT TRACING CITY WATER CONNECTION COSTS
 INSULATION LOCATION AND BACKFILL
 CORNERS SECOND AND CONCRETE
 CUTTING AND PATCHING
 TEMPORARY HEAT, LIGHTS, POWER, SANITARY AND GARBAGE



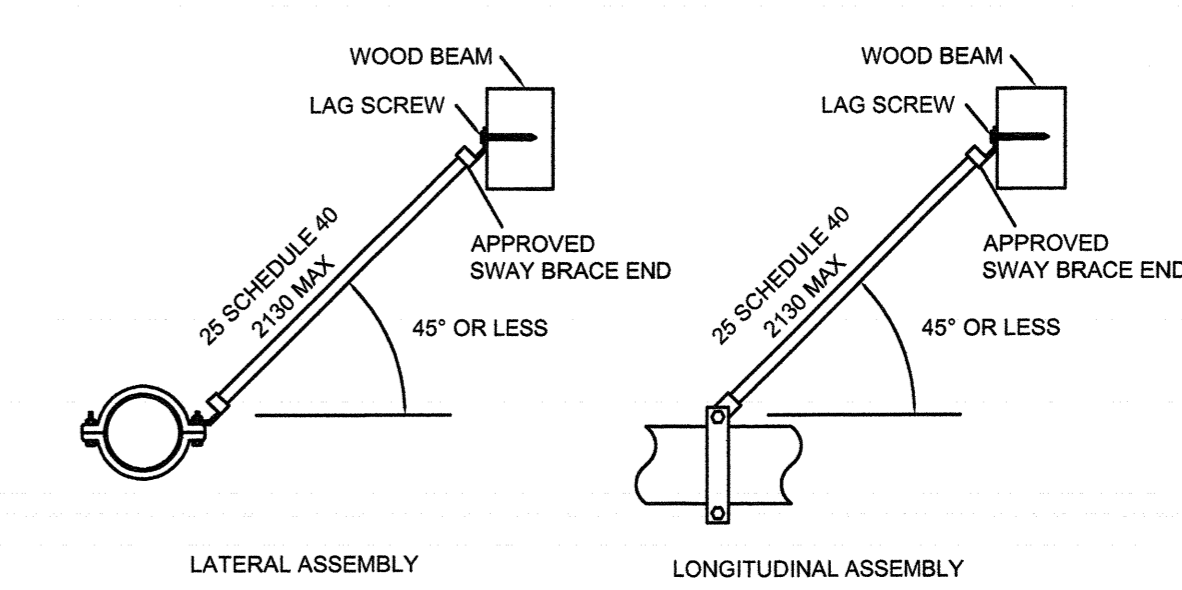
SPLAYED SEISMIC RESTRAINT DETAILS N.T.S.



SWAY BRACE DETAILS FOR 100mm MAIN N.T.S.

NOTES:

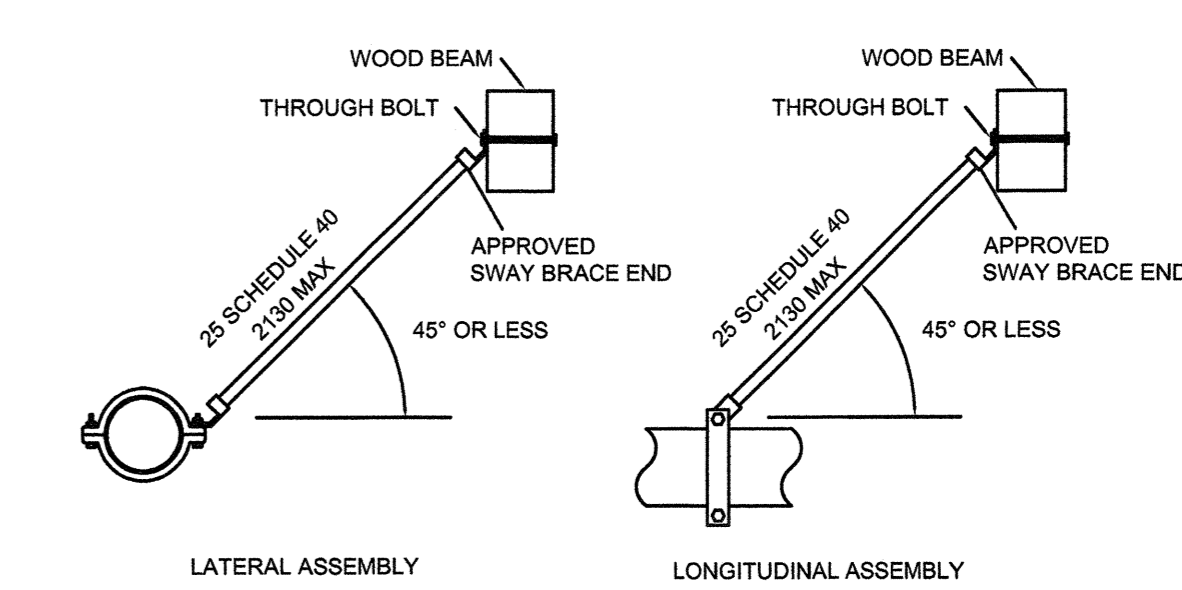
1. LATERAL SWAY BRACING SPACED AT A MAXIMUM OF 6.14M ON CENTER.
2. LONGITUDINAL SWAY BRACING SPACED AT A MAXIMUM OF 6.14M ON CENTER.
3. LATERAL SWAY BRACING AND LONGITUDINAL SWAY BRACING START POINT NO MORE THAN 3M FROM END OF PIPE.



SWAY BRACE DETAILS FOR 150mm MAIN N.T.S.

NOTES:

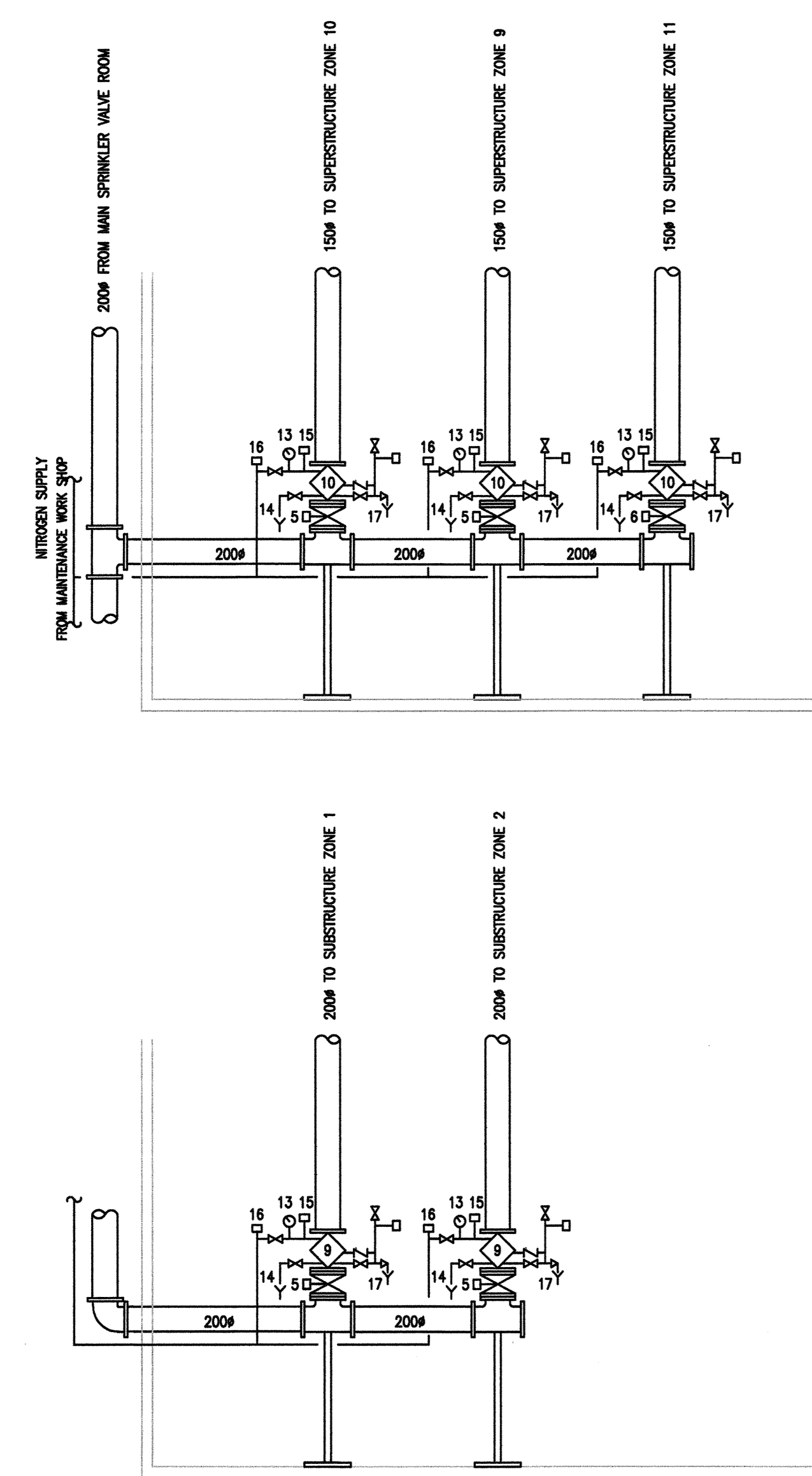
1. LATERAL SWAY BRACING SPACED AT A MAXIMUM OF 6.09M ON CENTER.
2. LONGITUDINAL SWAY BRACING SPACED AT A MAXIMUM OF 6.09M ON CENTER.
3. LATERAL SWAY BRACING AND LONGITUDINAL SWAY BRACING START POINT NO MORE THAN 3M FROM END OF PIPE.



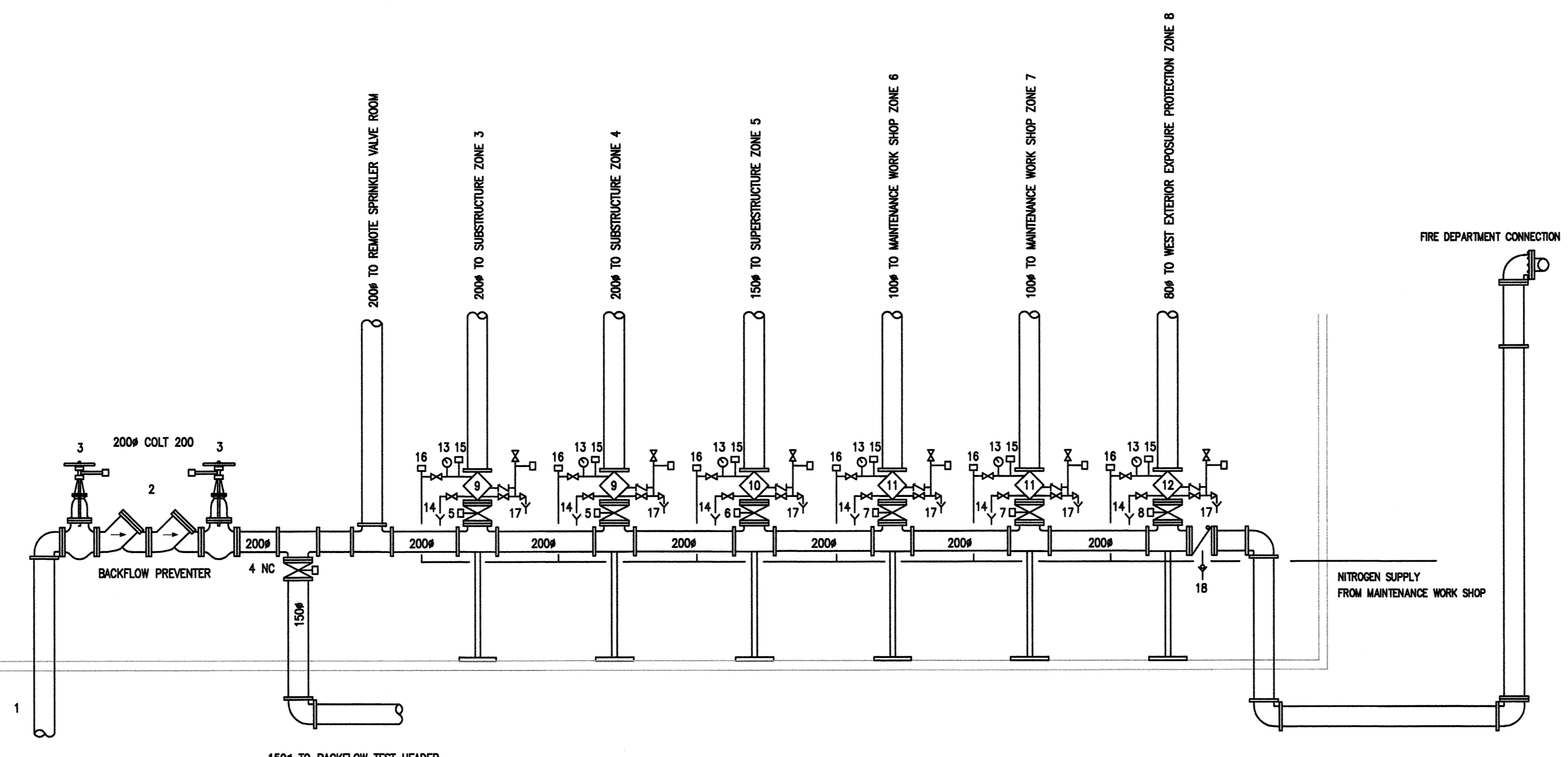
SWAY BRACE DETAILS FOR 200mm MAIN N.T.S.

NOTES:

1. LATERAL SWAY BRACING SPACED AT A MAXIMUM OF 6.09M ON CENTER AT SUPERSTRUCTURE.
2. LATERAL SWAY BRACING SPACED AT A MAXIMUM OF 6.09M ON CENTER AT SUBSTRUCTURE.
3. LONGITUDINAL SWAY BRACING SPACED AT A MAXIMUM OF 6.09M ON CENTER AT SUPERSTRUCTURE.
4. LONGITUDINAL SWAY BRACING SPACED AT A MAXIMUM OF 3.04M ON CENTER AT SUBSTRUCTURE.
5. LATERAL SWAY BRACING AND LONGITUDINAL SWAY BRACING START POINT NO MORE THAN 3M FROM END OF PIPE.



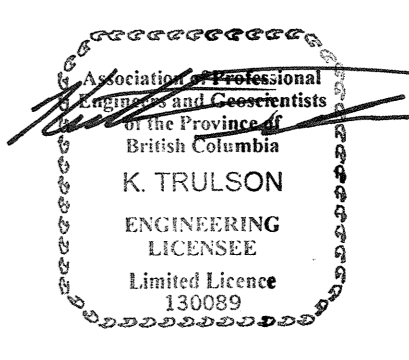
REMOTE SPRINKLER VALVE STATION ASSEMBLY N.T.S.



MAIN SPRINKLER VALVE STATION ASSEMBLY N.T.S.

1. 200M INCOMING WATER SUPPLY
2. 200M DOUBLE CHECK BACKFLOW PREVENTER
3. 200M 054Y CONTROL VALVE C/W TAMPER SWITCH
4. 150M BUTTERFLY VALVE (NORMALLY CLOSED)
5. 200M BUTTERFLY VALVE C/W TAMPER SWITCH
6. 150M BUTTERFLY VALVE C/W TAMPER SWITCH
7. 100M BUTTERFLY VALVE C/W TAMPER SWITCH
8. 80M BUTTERFLY VALVE C/W TAMPER SWITCH
9. 200M DRY PIPE VALVE ASSEMBLY C/W QUICK-OPENING DEVICE
10. 150M DRY PIPE VALVE ASSEMBLY C/W QUICK-OPENING DEVICE
11. 100M DRY PIPE VALVE ASSEMBLY
12. 80M DRY PIPE VALVE ASSEMBLY
13. PRESSURE GAUGE
14. MAIN DRIP
15. LOW PRESSURE WARNING SWITCH
16. AIR COMPRESSOR AUTOMATIC START SWITCH
17. RESTRICTING DRAIN
18. 100M CHECK VALVE C/W BALL DRIP

NOTE: ALL WATER FLOW DEVICES AND TAMPER SWITCHES MUST BE MONITORED TO THE ANNUNCIATOR PANEL BY DIVISION 16.



| Revision/Description | Date/Date |
|----------------------|-----------------------------------|
| 6 | ISSUED FOR TENDER REVIEW 15-09-27 |
| 5 | ISSUED FOR TENDER REVIEW 15-09-30 |
| 4 | ISSUED FOR 90% REVIEW 16-03-15 |
| 3 | ISSUED FOR 50% REVIEW 16-02-23 |
| 2 | ISSUED FOR COORDINATION 15-02-08 |
| 1 | ISSUED FOR PROGRESS 17-12-15 |

PARKS CANADA

Project title/Titre du projet

FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY

Consultant Approval Box Only

Designed by/Concept par
KT

Drawn by/Dessiné par
HL

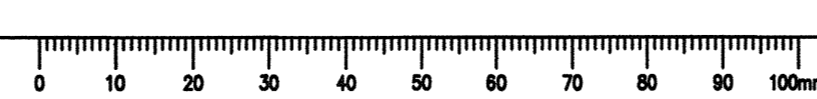
PFSGC Project Manager/Administrateur de Projets TP500
TOM DUNPHY

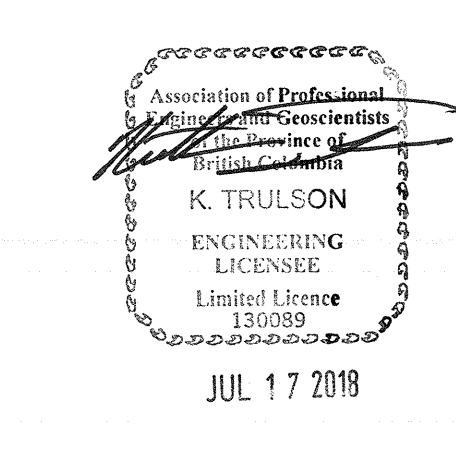
PFSGC Regional Manager, Architectural and Engineering Services/
Superviseur régional, Services d'architectural et de génie, TP500
Trishel Fritsch

Drawing title/Titre du dessin

FIRE PROTECTION SITE PLAN, DRAWING NOTES & DETAILS

| Project No./No. du projet | Sheet/Feuille | Revision no./ Lvl. Révision no. |
|---------------------------|---------------|---------------------------------------|
| R.089515.001 | F-1 OF 8 | 6 |





| Revision/Modification | Description/Description | Date/Date |
|-----------------------|--------------------------|-----------|
| 6 | ISSUED FOR TENDER | 18-08-27 |
| 5 | ISSUED FOR TENDER REVIEW | 18-05-20 |
| 4 | ISSUED FOR 99% REVIEW | 18-03-15 |
| 3 | ISSUED FOR 50% REVIEW | 18-02-23 |
| 2 | ISSUED FOR COORDINATION | 18-02-08 |
| 1 | ISSUED FOR PROGRESS | 17-12-15 |

PARKS CANADA

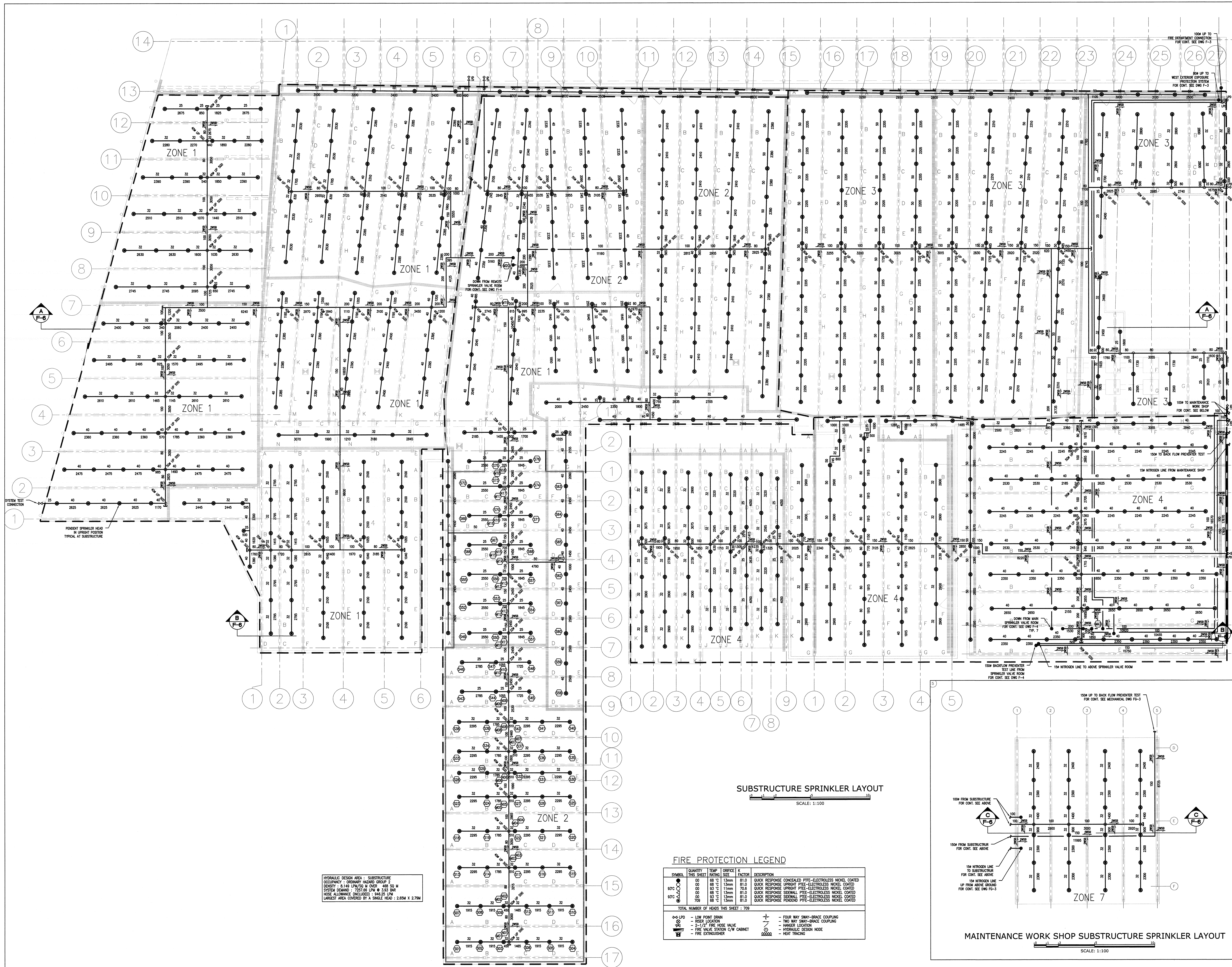
Project title/Titre du projet

FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY

Consultant Approval Box Only
Designed by/Concept par: KT
Drawn by/Desainé par: HL
PWSC Project Manager/Administrateur de Projets TPSC: TOM DUNPHY
PWSC Regional Manager, Architecture and Engineering Services/Président régional, Services d'architecture et de génie, TPSC: [Signature]

Drawing title/Titre du dessin
SUBSTRUCTURE SPRINKLER LAYOUT

Project No./No. du projet: R.089515.001
Sheet/Feuille: F-2 OF 8
Revision no./Le Révision no.: 6



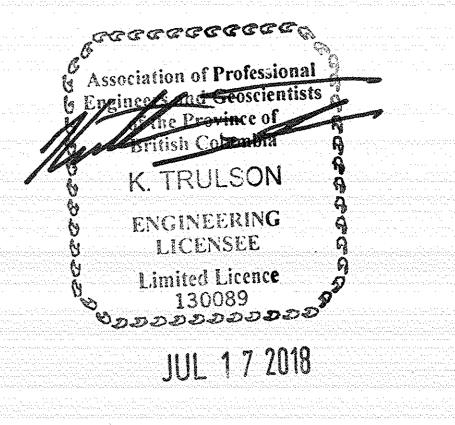
HYDRAULIC DESIGN AREA - SUBSTRUCTURE
OCCUPANCY - ORDINARY HAZARD GROUP 2
DENSITY - 1.14 LPM/20 M² @ 488 SQ M
SYSTEM DEMAND - 7257.86 LPM @ 2.63 BAR
NOSE ALLOWANCE (INCLUDED) - 946.25 LPM
LARGEST AREA COVERED BY A SINGLE HEAD - 2.65M X 2.70M

FIRE PROTECTION LEGEND

| SYMBOL | QUANTITY THIS SHEET | TEMP. RATING | ORIFICE SIZE | K FACTOR | DESCRIPTION |
|--------|---------------------|--------------|--------------|----------|---|
| ● | 00 | 68 °C | 13mm | 81.0 | QUICK RESPONSE CONCAILED PTFE-ELECTROLESS NICKEL COATED |
| ● | 00 | 68 °C | 11mm | 81.0 | QUICK RESPONSE UPRIGHT PTFE-ELECTROLESS NICKEL COATED |
| ● | 00 | 68 °C | 11mm | 70.6 | QUICK RESPONSE UPRIGHT PTFE-ELECTROLESS NICKEL COATED |
| ● | 00 | 68 °C | 13mm | 81.0 | QUICK RESPONSE SERNAL PTFE-ELECTROLESS NICKEL COATED |
| ● | 00 | 68 °C | 13mm | 81.0 | QUICK RESPONSE SERNAL PTFE-ELECTROLESS NICKEL COATED |
| ● | 00 | 68 °C | 13mm | 81.0 | QUICK RESPONSE PENDING PTFE-ELECTROLESS NICKEL COATED |

TOTAL NUMBER OF HEADS THIS SHEET = 709

| | | | |
|---|--------------------------------|---|------------------------------|
| ○ | LOW POINT DRAIN | + | FOUR WAY SWAY-BRACE COUPLING |
| ○ | RISER LOCATION | + | TWO WAY SWAY-BRACE COUPLING |
| ○ | 2-1/2" FIRE NOSE VALVE | + | HANGER LOCATION |
| ○ | FIRE VALVE STATION C/W CABINET | ○ | HYDRAULIC DESIGN NODE |
| ○ | FIRE EXTINGUISHER | ○ | HEAT TRACING |



| Revision/Revisé | Description/Description | Date/Date |
|-----------------|--------------------------|-----------|
| 8 | ISSUED FOR TENDER | 18-06-27 |
| 5 | ISSUED FOR TENDER REVIEW | 18-05-30 |
| 4 | ISSUED FOR 99% REVIEW | 18-03-15 |
| 3 | ISSUED FOR 50% REVIEW | 18-02-23 |
| 2 | ISSUED FOR COORDINATION | 18-02-08 |
| 1 | ISSUED FOR PROGRESS | 17-12-15 |

PARKS CANADA

Project Title/Titre du projet

FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY

Consultant Approval Box Only

Designed by/Concepté par: KT

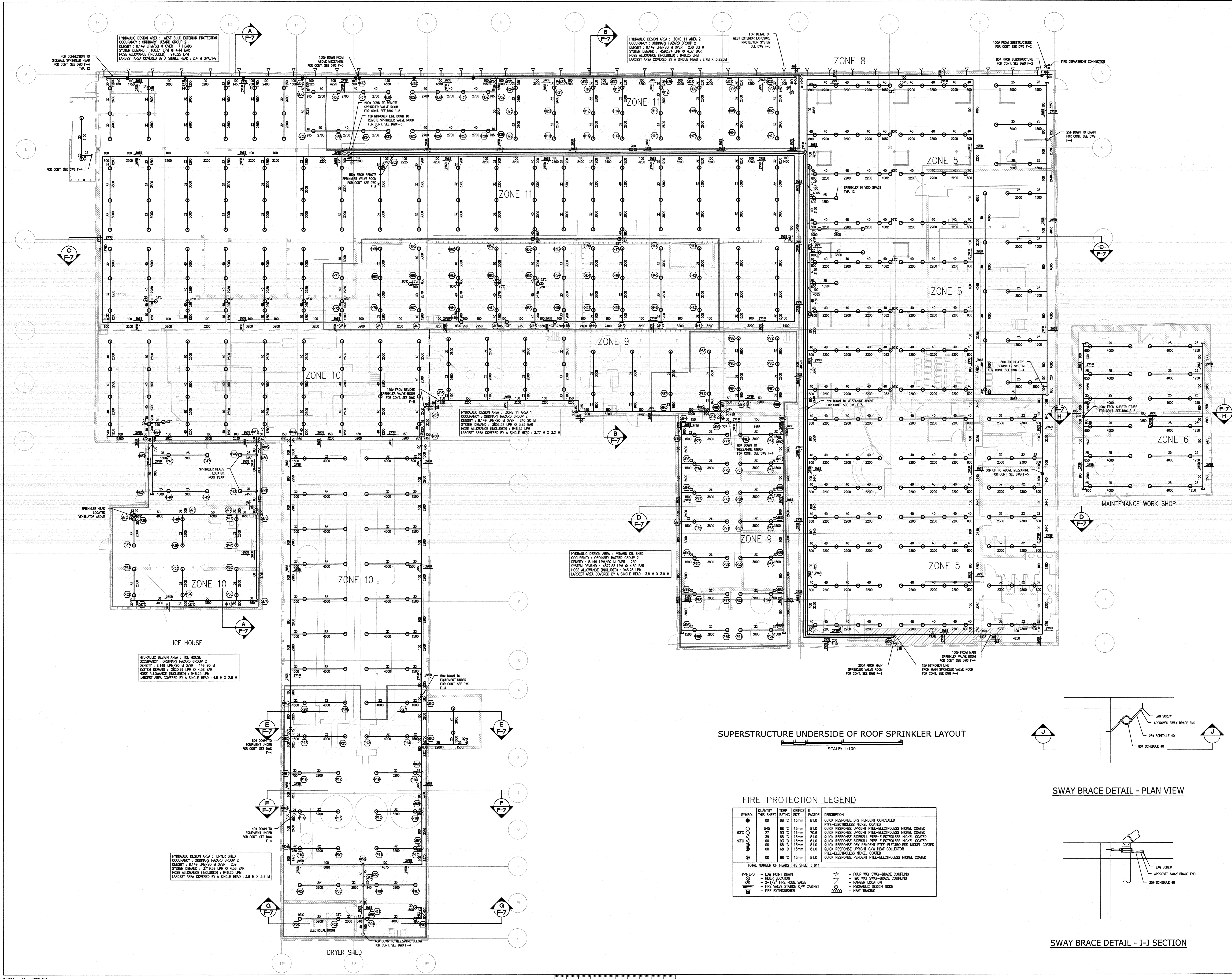
Drawn by/Designé par: HL

PM/SC Project Manager/Administrateur de Projets TP/SCG: TOM DUNPHY

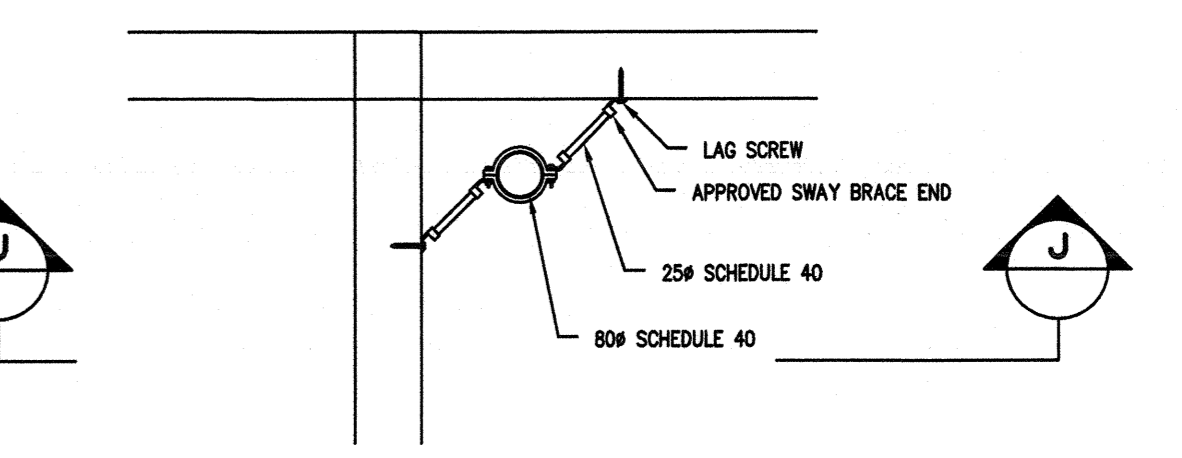
PM/SC Regional Manager, Architectural and Engineering Services / Gestionnaire régional, Services d'architectural et de génie, TP/SCG: PRINCEFANT PAUL

Drawing Title/Titre du dessin: SUPERSTRUCTURE UNDERSIDE OF ROOF SPRINKLER LAYOUT

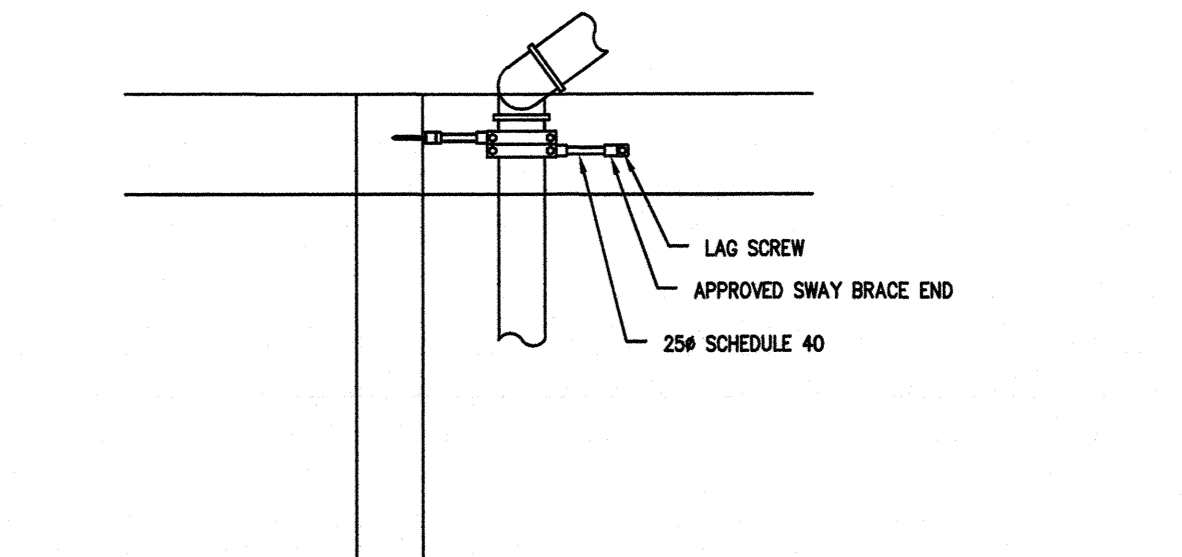
Project No./No. du projet: R.089515.001
Sheet/Feuille: F-3
Revision no./Le Révision: 6
OF 8



SUPERSTRUCTURE UNDERSIDE OF ROOF SPRINKLER LAYOUT
SCALE: 1:100



SWAY BRACE DETAIL - PLAN VIEW



SWAY BRACE DETAIL - J-J SECTION

FIRE PROTECTION LEGEND

| SYMBOL | QUANTITY THIS SHEET | TEMP. RATING | OFFICE SIZE | K FACTOR | DESCRIPTION |
|--------|---------------------|--------------|-------------|----------|--|
| ○ | 00 | 68 °C | 13mm | 81.0 | QUICK RESPONSE DRY PENDANT CONCEALED |
| ○ | 545 | 68 °C | 13mm | 81.0 | PIPE-ELECTROLESS NICKEL COATED |
| ○ | 27 | 83 °C | 11mm | 70.5 | QUICK RESPONSE UPRIGHT PIPE-ELECTROLESS NICKEL COATED |
| ○ | 39 | 68 °C | 13mm | 81.0 | QUICK RESPONSE SIDEWALL PIPE-ELECTROLESS NICKEL COATED |
| ○ | 00 | 83 °C | 13mm | 81.0 | QUICK RESPONSE SIDEWALL PIPE-ELECTROLESS NICKEL COATED |
| ○ | 00 | 68 °C | 13mm | 81.0 | QUICK RESPONSE DRY PENDANT PIPE-ELECTROLESS NICKEL COATED |
| ○ | 00 | 68 °C | 13mm | 81.0 | QUICK RESPONSE UPRIGHT C/W HEAT COLLECTOR PIPE-ELECTROLESS NICKEL COATED |
| ○ | 00 | 68 °C | 13mm | 81.0 | QUICK RESPONSE PENDANT PIPE-ELECTROLESS NICKEL COATED |

TOTAL NUMBER OF HEADS THIS SHEET: 611

| | | | |
|---------|--------------------------------|---|------------------------------|
| ○-4 LPD | LOW POINT DRAIN | + | FOUR WAY SWAY-BRACE COUPLING |
| ○ | RISER LOCATION | + | TWO WAY SWAY-BRACE COUPLING |
| ○ | 2 1/2" FIRE HOSE VALVE | + | HANGER LOCATOR |
| ○ | FIRE VALVE STATION C/W CABINET | ○ | HYDRAULIC DESIGN NODE |
| ○ | FIRE EXTINGUISHER | ○ | HEAT TRACING |



K. TRULSON
 ENGINEERING
 LICENSE
 15209
 JUL 17 2018

| Revision/Version | Description/Description | Date/Date |
|------------------|--------------------------|-----------|
| 6 | ISSUED FOR TENDER | 18-06-27 |
| 5 | ISSUED FOR TENDER REVIEW | 18-05-30 |
| 4 | ISSUED FOR BIDS REVIEW | 18-03-15 |
| 3 | ISSUED FOR BIDS REVIEW | 18-02-23 |
| 2 | ISSUED FOR COORDINATION | 18-02-08 |
| 1 | ISSUED FOR PROGRESS | 17-12-15 |

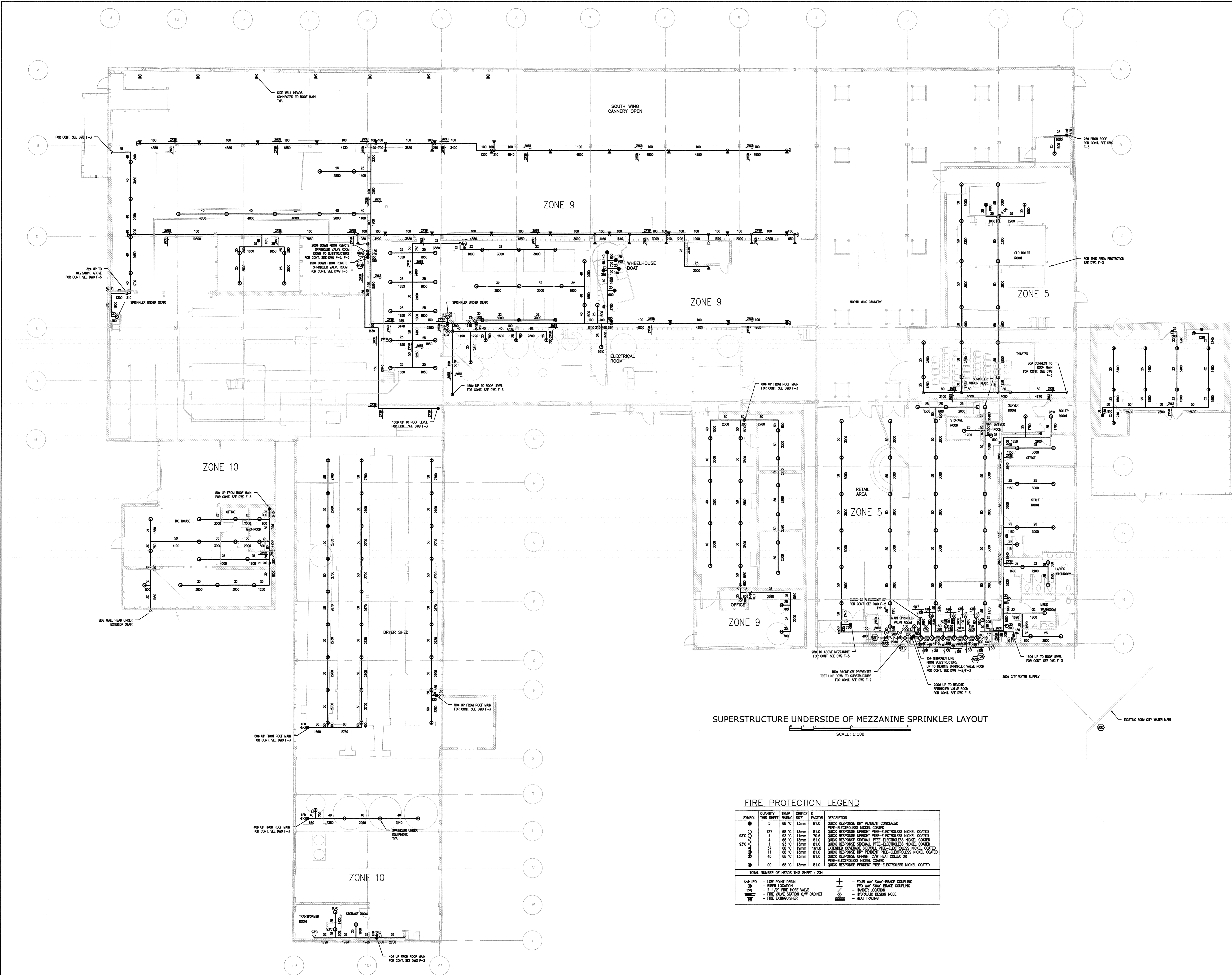
Client/Client: **PARKS CANADA**

Project title/Titre du projet

FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY

Consultant Approval Box Only
 Designed by/Concept par: **KT**
 Drawn by/Dessiné par: **HL**
 PWSC Project Manager/Administrateur de Projets TPSC: **TOM DUNPHY**
 PWSC Regional Manager/Architectural and Engineering Services/ Gestionnaire régional, Services d'architectural et de génie, TPSC: **Prasitipol Pong**

Drawing title/Titre du dessin
SUPERSTRUCTURE UNDERSIDE OF MEZZANINE SPRINKLER LAYOUT



SUPERSTRUCTURE UNDERSIDE OF MEZZANINE SPRINKLER LAYOUT
 SCALE: 1:100

FIRE PROTECTION LEGEND

| SYMBOL | QUANTITY THIS SHEET | TEMP | ORIFICE SIZE | K FACTOR | DESCRIPTION |
|--------|---------------------|-------|--------------|----------|--|
| ● | 5 | 68 °C | 13mm | 81.0 | QUICK RESPONSE DRY PENDENT CONCEALED PTEE-ELECTROLESS NICKEL COATED |
| ○ | 127 | 68 °C | 13mm | 81.0 | QUICK RESPONSE UPRIGHT PTEE-ELECTROLESS NICKEL COATED |
| ○ | 4 | 68 °C | 11mm | 70.0 | QUICK RESPONSE UPRIGHT PTEE-ELECTROLESS NICKEL COATED |
| ○ | 4 | 68 °C | 13mm | 81.0 | QUICK RESPONSE SIDEWALL PTEE-ELECTROLESS NICKEL COATED |
| ○ | 37 | 68 °C | 13mm | 81.0 | QUICK RESPONSE SIDEWALL PTEE-ELECTROLESS NICKEL COATED |
| ○ | 11 | 68 °C | 15mm | 151.0 | EXTENDED CONFORMANCE SIDEWALL PTEE-ELECTROLESS NICKEL COATED |
| ○ | 45 | 68 °C | 13mm | 81.0 | QUICK RESPONSE DRY PENDENT PTEE-ELECTROLESS NICKEL COATED |
| ○ | 00 | 68 °C | 13mm | 81.0 | QUICK RESPONSE UPRIGHT C/W HEAT COLLECTOR PTEE-ELECTROLESS NICKEL COATED |

TOTAL NUMBER OF HEADS THIS SHEET : 234

| | | | |
|-------|----------------------------------|---|--------------------------------|
| ○-LPO | - LOW POINT DRAIN | + | - FOUR WAY SWAY-BRACE COUPLING |
| ○ | - RISER LOCATION | + | - TWO WAY SWAY-BRACE COUPLING |
| ○ | - 2-1/2" FIRE HOSE VALVE | + | - WANGER LOCATION |
| ○ | - FIRE VALVE STATION C/W CABINET | + | - HYDRANT DESIGN NODE |
| ○ | - FIRE EXTINGUISHER | + | - HEAT TRACKING |

K. TRULSON
ENGINEERING
LICENCE
13220
JUL 17 2018

| Revision/Description | Date/Date |
|----------------------|-----------------------------------|
| 6 | ISSUED FOR TENDER 16-08-27 |
| 5 | ISSUED FOR TENDER REVIEW 16-08-30 |
| 4 | ISSUED FOR 99% REVIEW 16-03-15 |
| 3 | ISSUED FOR 50% REVIEW 16-02-23 |
| 2 | ISSUED FOR COORDINATION 16-02-08 |
| 1 | ISSUED FOR PROGRESS 17-12-15 |

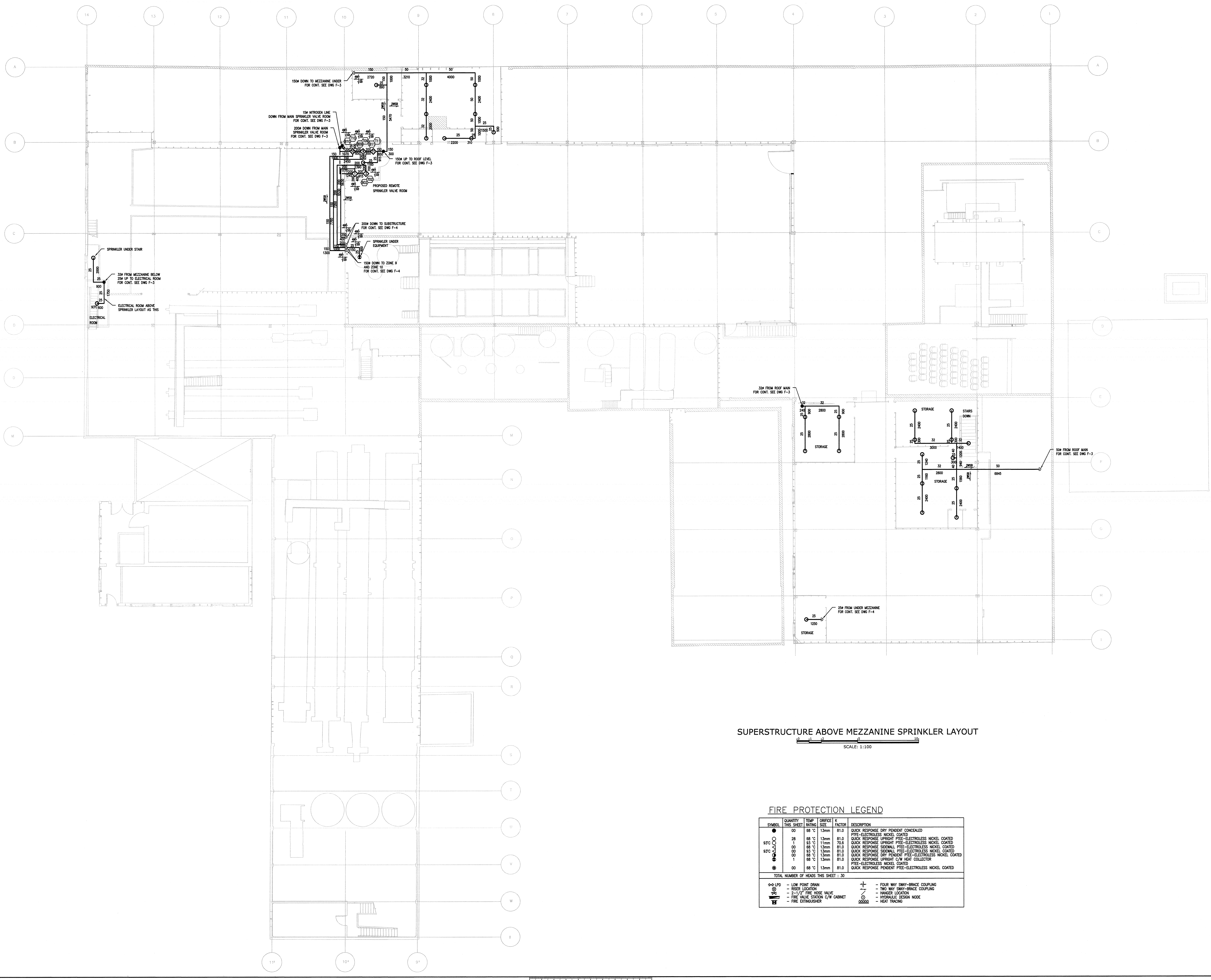
Client/Client: **PARKS CANADA**

Project title/Titre du projet: **FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY**

Consultant Approval Box Only
Designed by/Concept par: **KT**
Drawn by/Dessiné par: **HL**
PWSC Project Manager/Administrateur de Projets TPSC: **TOM DUNPHY**

Drawing title/Titre du dessin: **SUPERSTRUCTURE ABOVE MEZZANINE SPRINKLER LAYOUT**

| Project No./No. du projet | Sheet/Feuille | Revision no./La Révision |
|---------------------------|---------------|--------------------------|
| R.089515.001 | F-5 OF 8 | 6 |



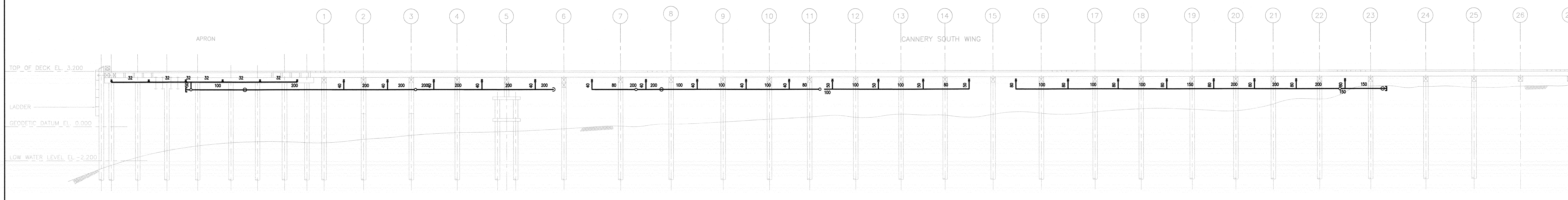
SUPERSTRUCTURE ABOVE MEZZANINE SPRINKLER LAYOUT
SCALE: 1:100

FIRE PROTECTION LEGEND

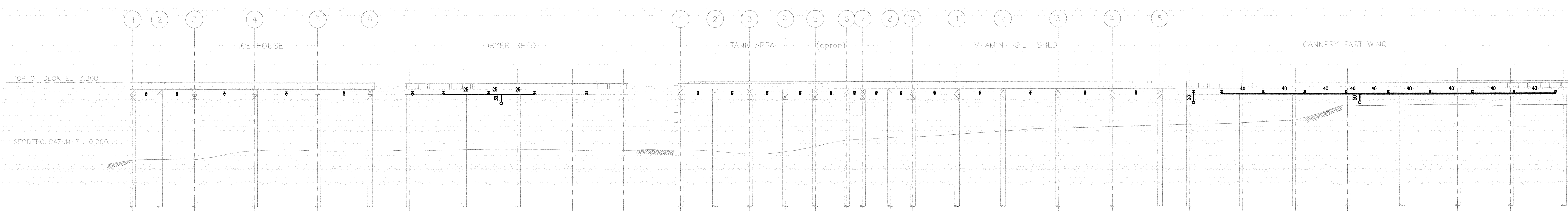
| SYMBOL | QUANTITY THIS SHEET | TEMP RATING | ORIFICE SIZE | K FACTOR | DESCRIPTION |
|--------|---------------------|-------------|--------------|----------|--|
| ● | 00 | 88 °C | 13mm | 81.0 | QUICK RESPONSE DRY PENDENT CONCEALED PTFE-ELECTROLESS NICKEL COATED |
| ○ | 28 | 88 °C | 13mm | 81.0 | QUICK RESPONSE UPRIGHT PTFE-ELECTROLESS NICKEL COATED |
| ○ | 1 | 83 °C | 11mm | 75.6 | QUICK RESPONSE UPRIGHT PTFE-ELECTROLESS NICKEL COATED |
| ○ | 00 | 88 °C | 13mm | 81.0 | QUICK RESPONSE SIDEWALL PTFE-ELECTROLESS NICKEL COATED |
| ○ | 00 | 83 °C | 13mm | 81.0 | QUICK RESPONSE SIDEWALL PTFE-ELECTROLESS NICKEL COATED |
| ○ | 00 | 88 °C | 13mm | 81.0 | QUICK RESPONSE DRY PENDENT PTFE-ELECTROLESS NICKEL COATED |
| ○ | 1 | 88 °C | 13mm | 81.0 | QUICK RESPONSE UPRIGHT C/W HEAT COLLECTOR PTFE-ELECTROLESS NICKEL COATED |
| ○ | 00 | 68 °C | 13mm | 81.0 | QUICK RESPONSE PENDENT PTFE-ELECTROLESS NICKEL COATED |

TOTAL NUMBER OF HEADS THIS SHEET : 30

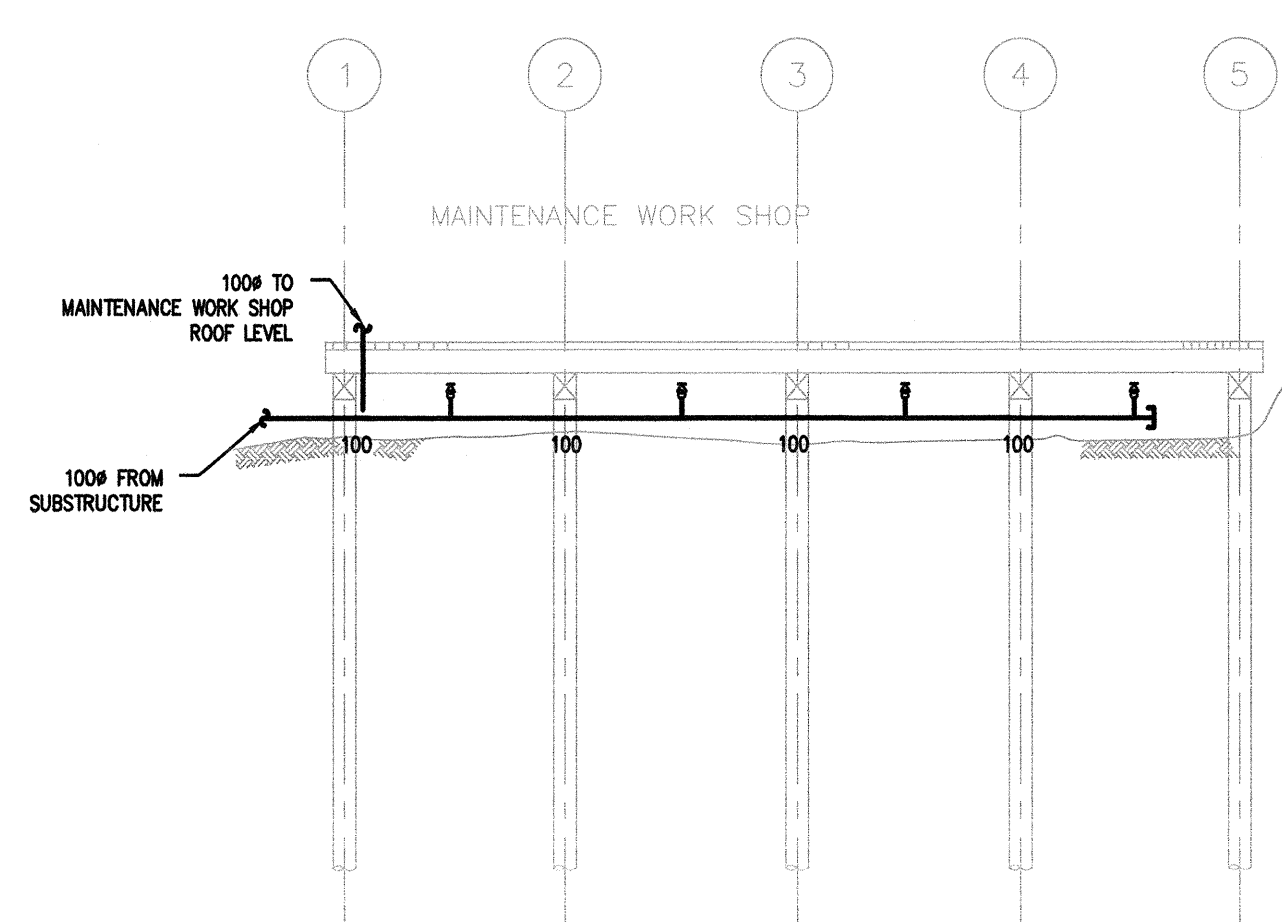
| | | | |
|---------|----------------------------------|---|--------------------------------|
| ○-○ UPD | - LOW POINT DRAIN | + | - FOUR WAY SWAY-BRACE COUPLING |
| ○ | - RISER LOCATION | + | - TWO WAY SWAY-BRACE COUPLING |
| ○ | - 2.5" FIP FINE NOSE VALVE | + | - HANGER LOCATION |
| ○ | - FIRE VALVE STATION C/W CABINET | ○ | - HYDRAULIC DESIGN NODE |
| ○ | - FIRE EXTINGUISHER | ○ | - HEAT TRACING |



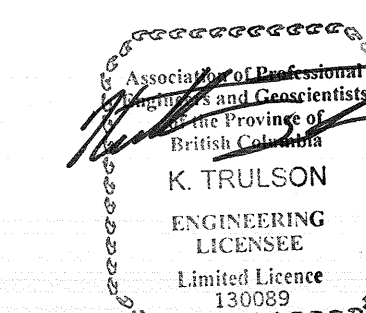
SECTION A
1:100
F-2



SECTION B
1:100
F-2



SECTION C
1:100
F-2



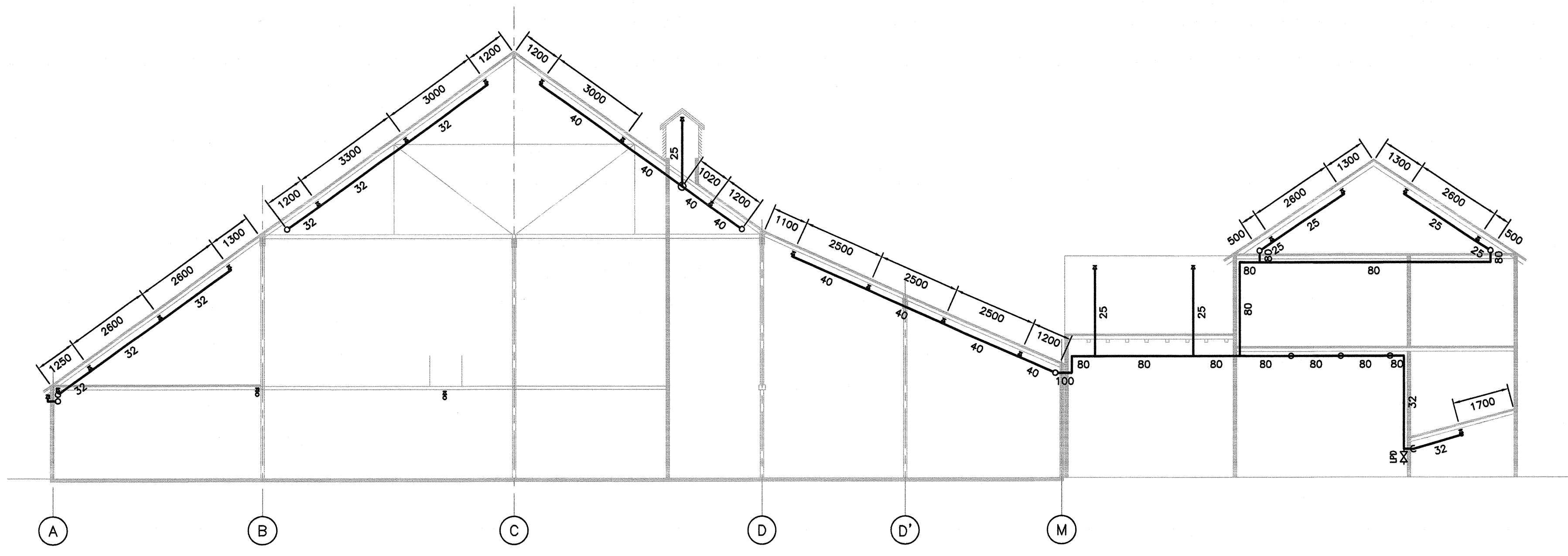
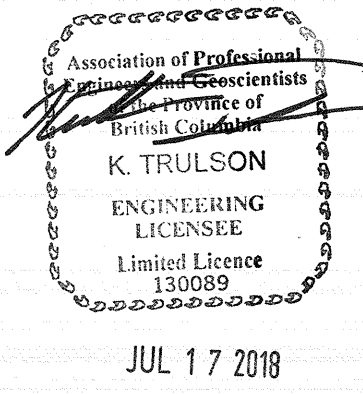
| Revision/Description | Date/Date |
|----------------------|-----------------------------------|
| 6 | ISSUED FOR TENDER 18-06-27 |
| 5 | ISSUED FOR TENDER REVIEW 18-05-30 |
| 4 | ISSUED FOR 95% REVIEW 18-03-15 |
| 3 | ISSUED FOR 50% REVIEW 18-02-23 |
| 2 | ISSUED FOR COORDINATION 18-02-08 |
| 1 | ISSUED FOR PROGRESS 17-12-15 |

Client/Client
PARKS CANADA

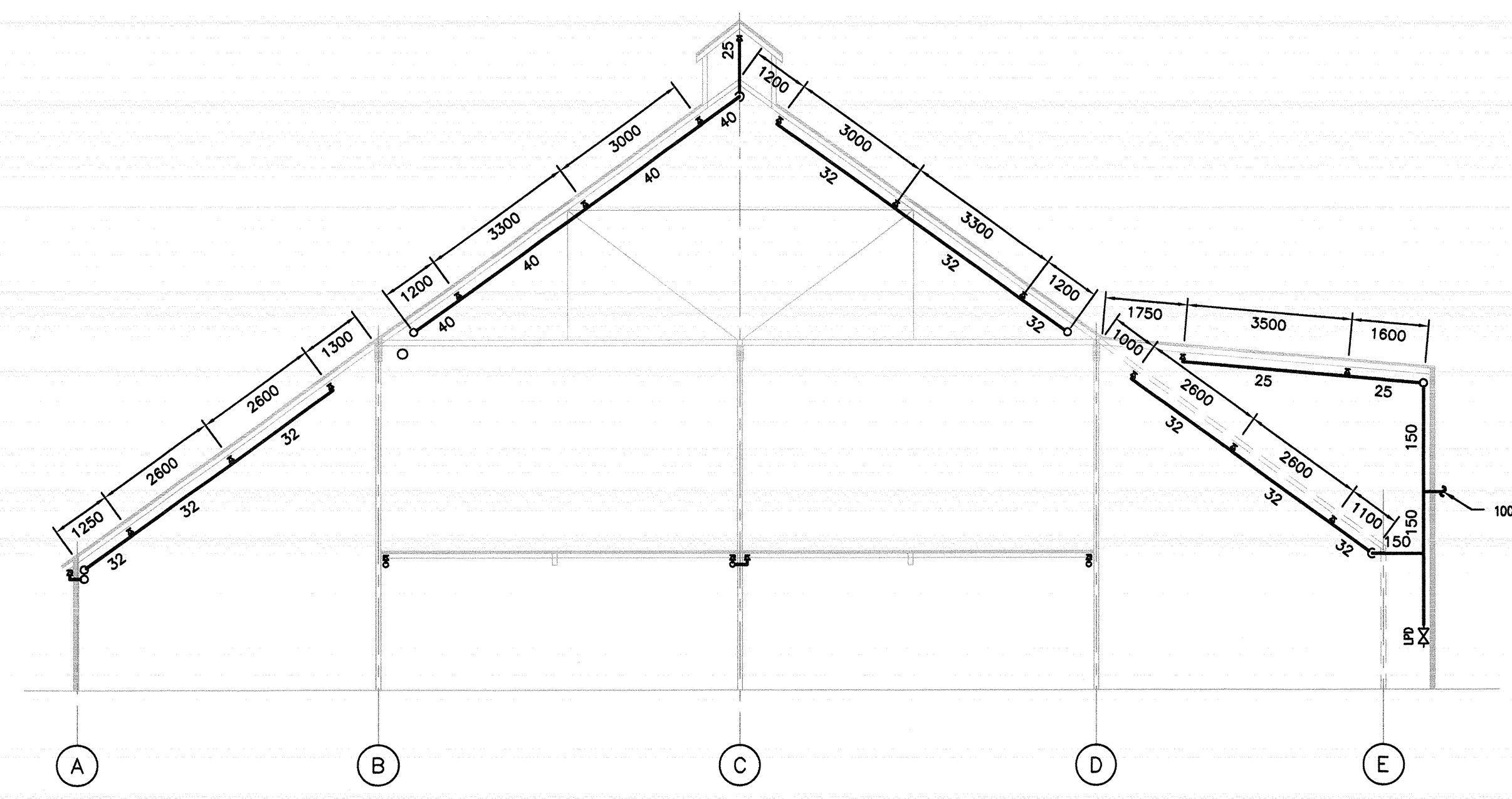
Project title/Titre du projet
FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY

Consultant Approval Box Only
Designed by/Concept par
KT
Drawn by/Dessiné par
HL
PWSC Project Manager/Administrateur de Projets TPSC
TOM DUNPHY
PWSC Regional Manager, Architectural and Engineering Services/
Gestionnaire régional, Services d'architecture et de gén. TPSC
Pratiquant qualifié

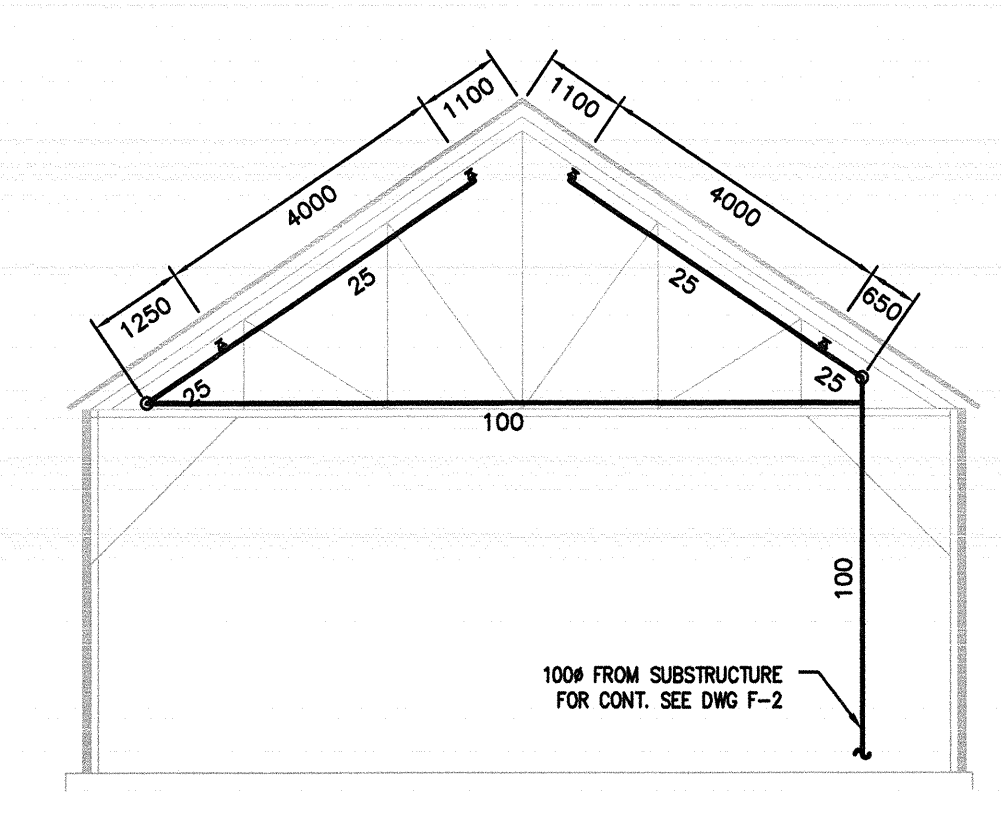
Drawing title/Titre du dessin
SUBSTRUCTURE SECTIONS AND KEY PLAN-PHOTOS



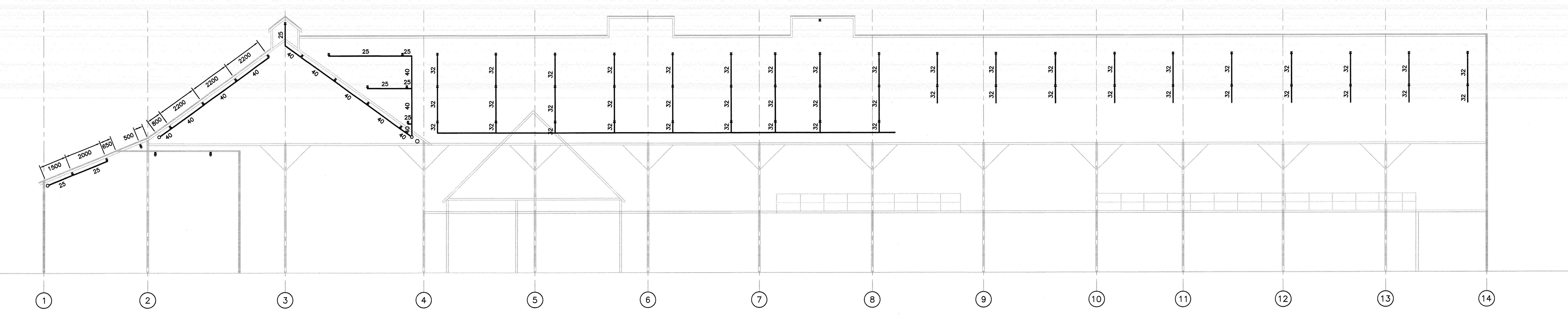
SECTION A
1:100 F-3



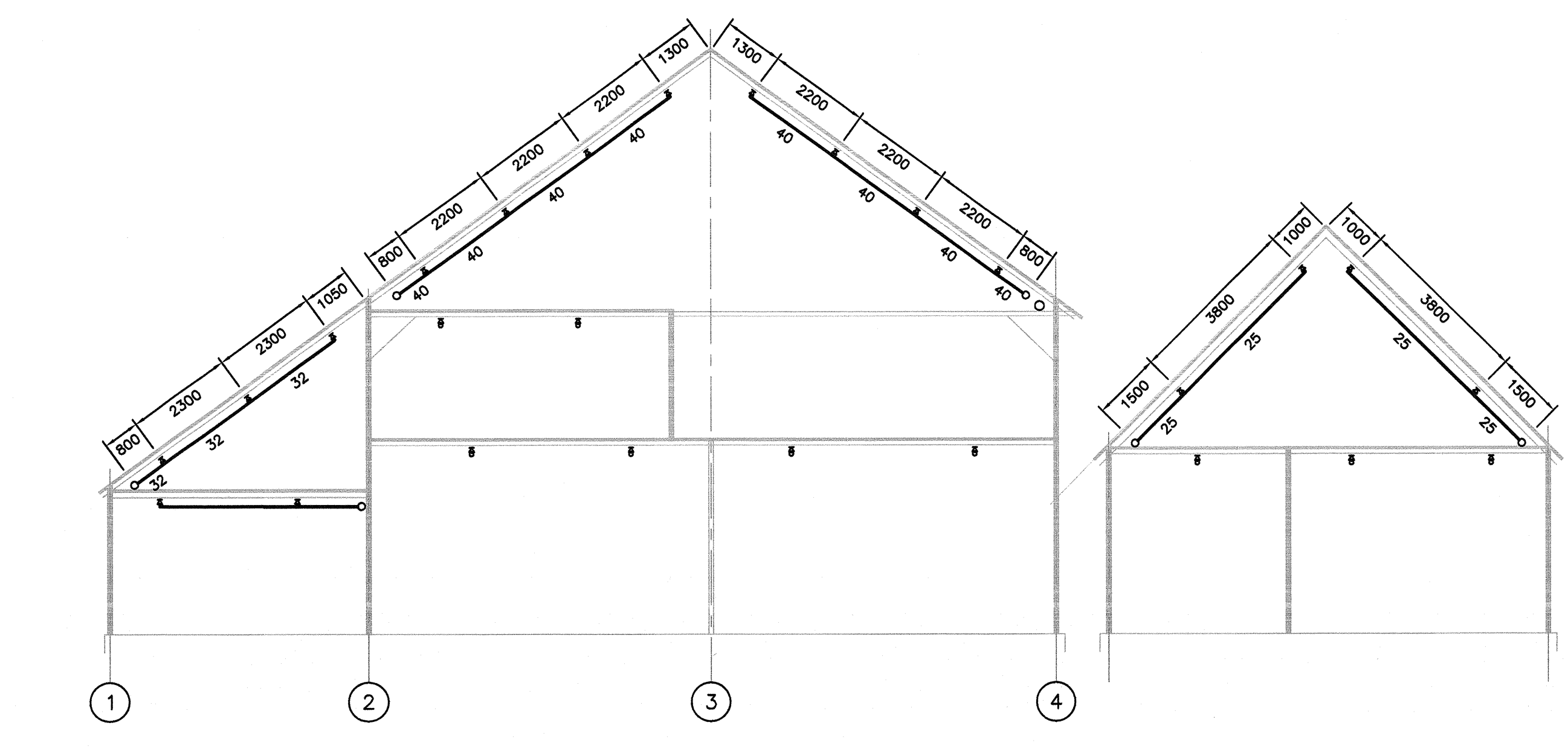
SECTION B
1:100 F-3



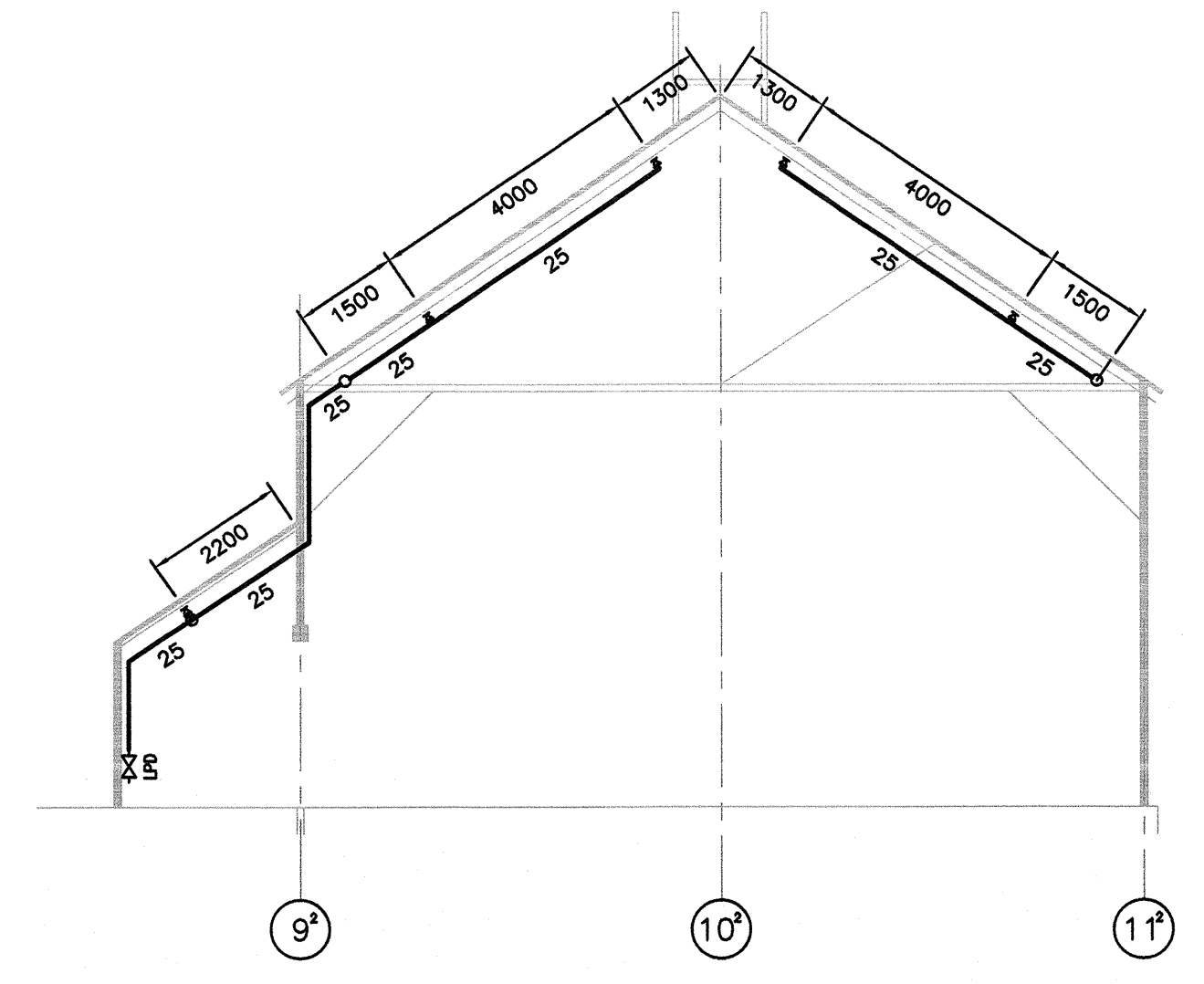
SECTION H
1:100 F-3



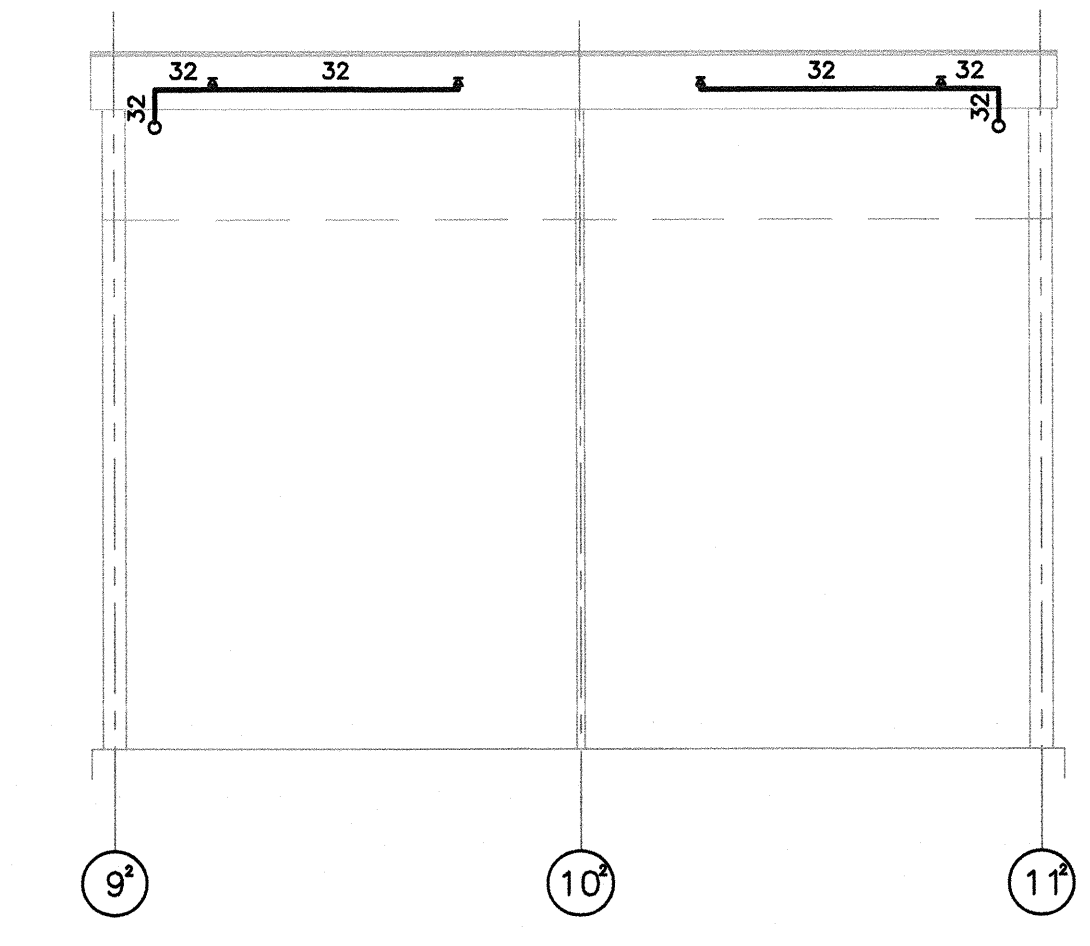
SECTION C
1:100 F-3



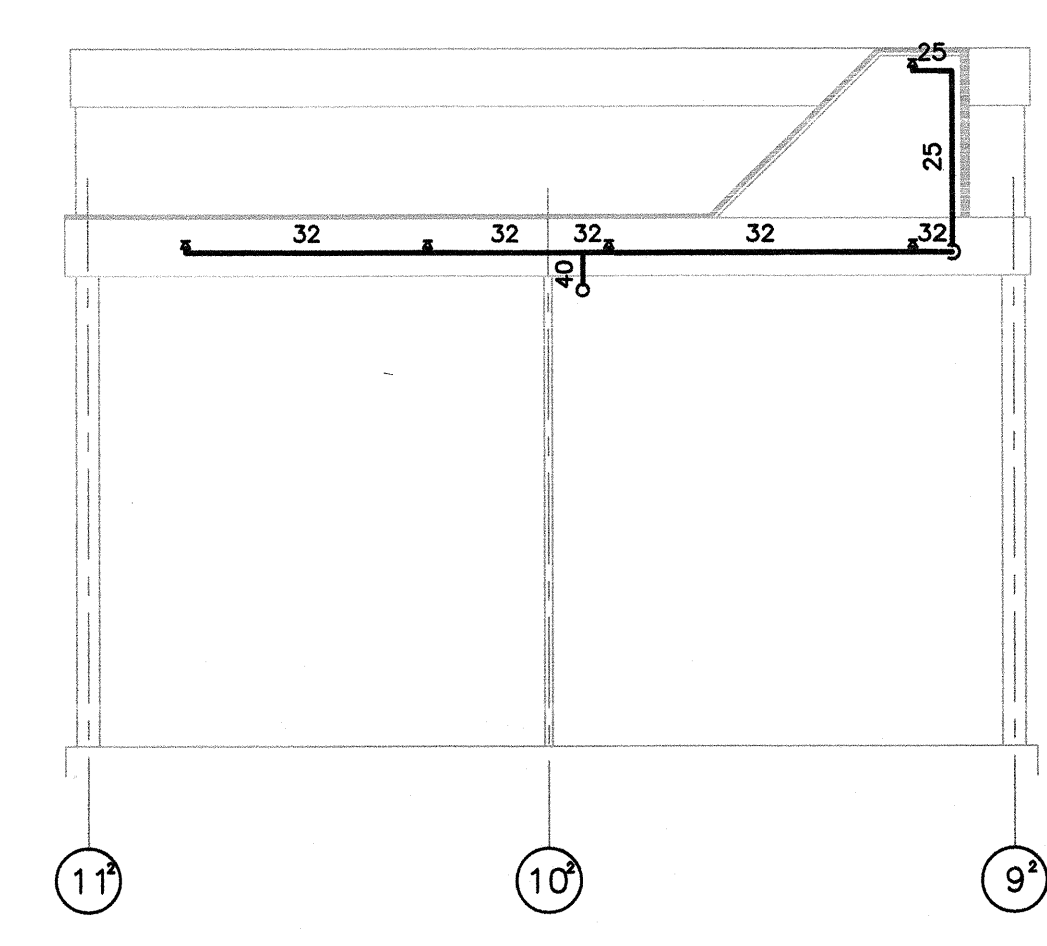
SECTION D
1:100 F-3



SECTION E
1:100 F-3



SECTION F
1:100 F-3



SECTION G
1:100 F-3

| Revision/ | Description/ | Date/Date |
|-----------|--------------------------|-----------|
| 6 | ISSUED FOR TENDER | 18-06-27 |
| 5 | ISSUED FOR TENDER REVIEW | 18-05-20 |
| 4 | ISSUED FOR PER REVIEW | 18-03-15 |
| 3 | ISSUED FOR SOB REVIEW | 18-02-23 |
| 2 | ISSUED FOR COORDINATION | 18-02-08 |
| 1 | ISSUED FOR PROGRESS | 17-12-15 |

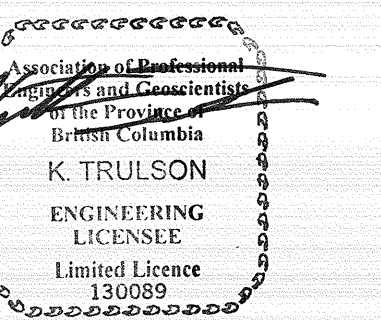
Client/Client: PARKS CANADA

Project Title/Titre du projet:

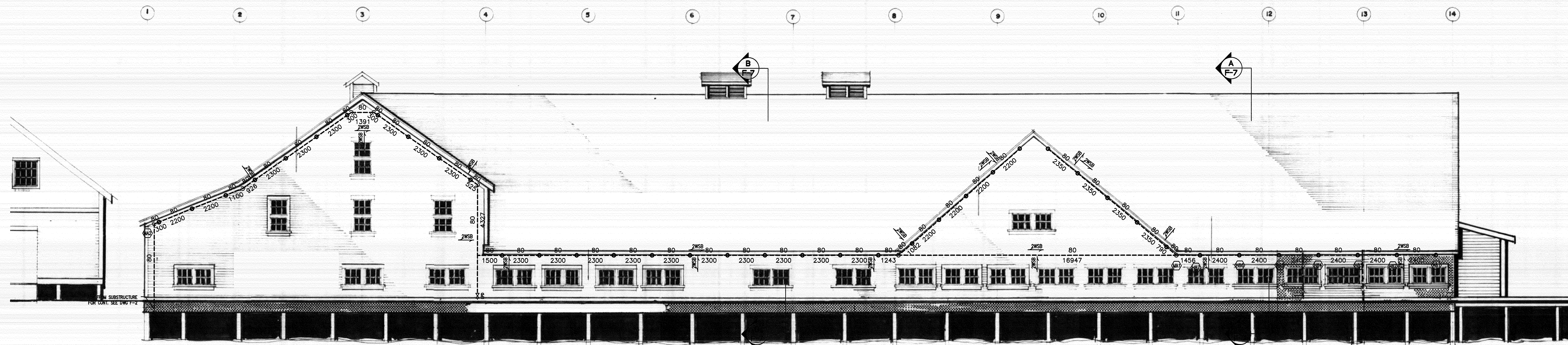
FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY

Consultant Approval Box Only
Designed by/Conçue par: KT
Drawn by/Dessiné par: HL
PWSC Project Manager/Administrateur de Projets TPSC: TOM DUNPHY
PWSC Regional Manager, Architectural and Engineering Services/Responsable régional, Services d'architecture et de génie, TPSC: [Name]

SUPERSTRUCTURE SECTIONS



JUL 17 2018



WEST BUILDING EXTERIOR PROTECTION SPRINKLER LAYOUT

SCALE: 1:100

| Revision/ | Description/Description | Date/Date |
|-----------|--------------------------|-----------|
| 6 | ISSUED FOR TENDER | 18-08-27 |
| 5 | ISSUED FOR TENDER REVIEW | 18-05-30 |
| 4 | ISSUED FOR 99% REVIEW | 18-03-15 |
| 3 | ISSUED FOR 50% REVIEW | 18-02-23 |
| 2 | ISSUED FOR COORDINATION | 18-02-08 |
| 1 | ISSUED FOR PROGRESS | 17-12-15 |

Client/client
PARKS CANADA

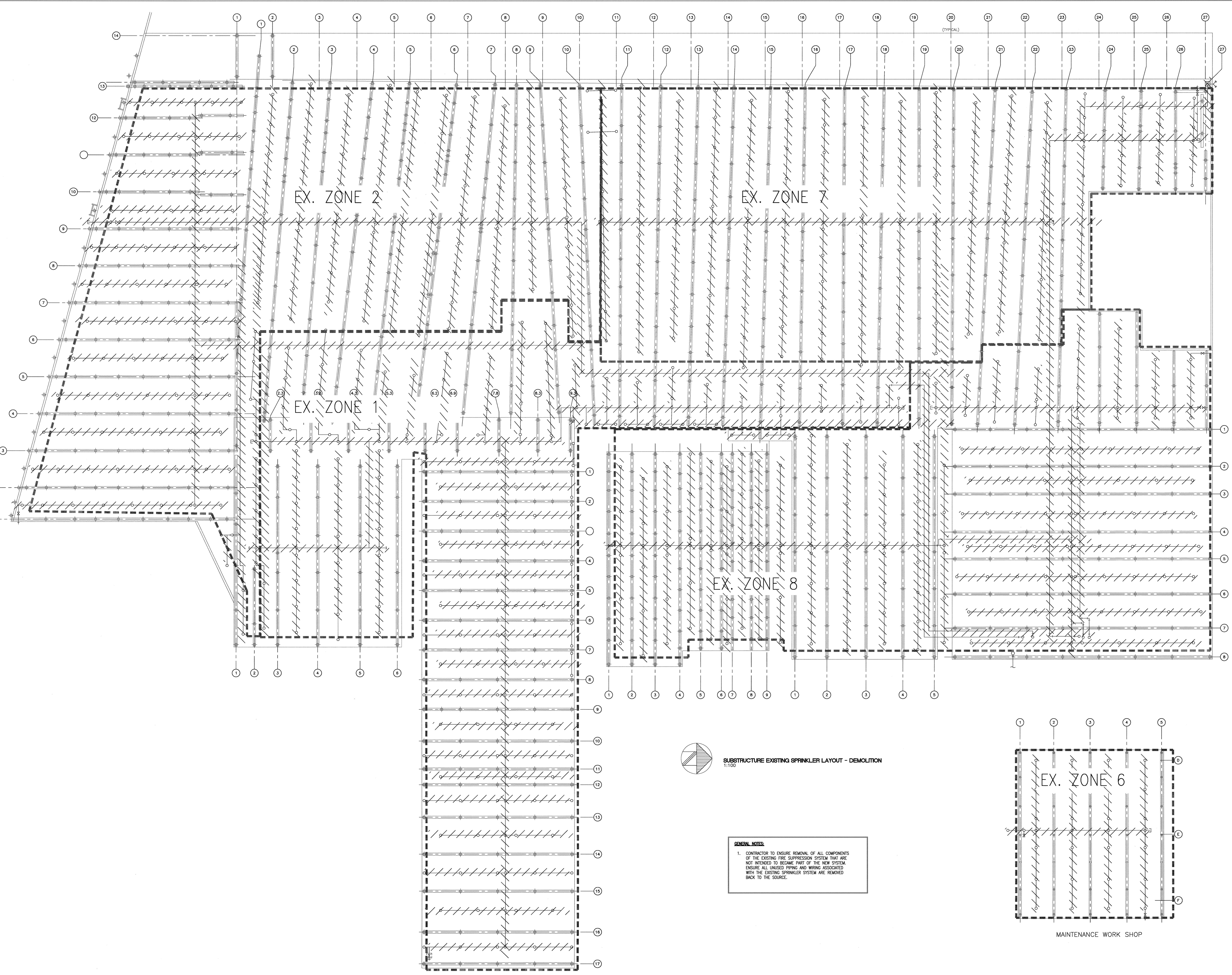
Project title/Titre du projet
FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY

Consultant Approval Box Only
Designed by/Concept par
KT
Drawn by/Dessiné par
HL
PWSC Project Manager/Administrateur de Projets TPSGC
TOM DUNPHY
Professional Engineer/Architectural and Engineering Services
Ingénieur en architecture et Services d'ingénierie et d'architecture
Pratiquant (s) en

Drawing title/Titre du dessin
WEST BUILDING EXTERIOR PROTECTION SPRINKLER LAYOUT

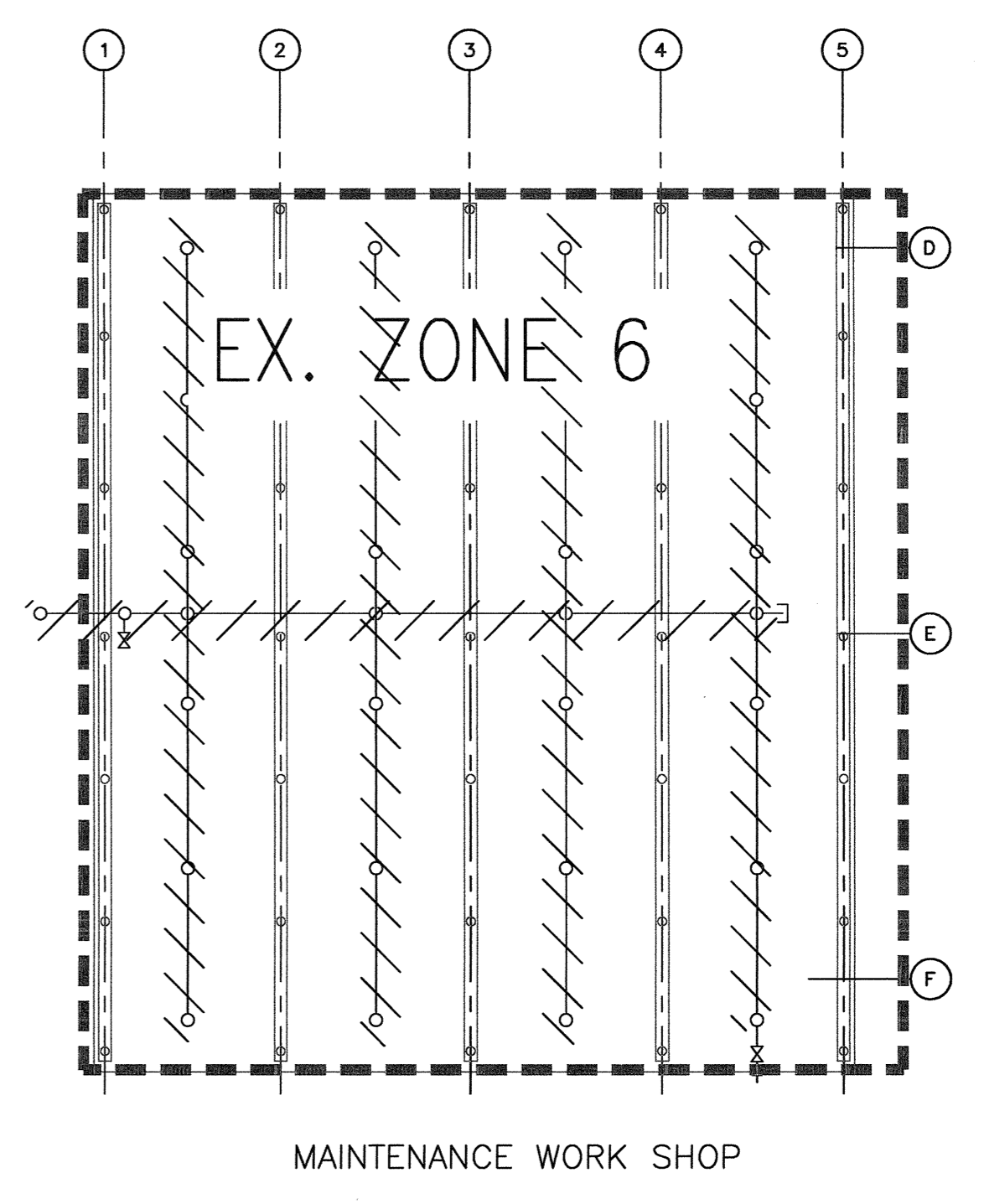
| Project No./No. du projet | Sheet/Feuille | Revision no./La Révision |
|---------------------------|---------------|--------------------------|
| R.089515.001 | F-8 OF 8 | 6 |





 SUBSTRUCTURE EXISTING SPRINKLER LAYOUT - DEMOLITION
1:100

GENERAL NOTES:
1. CONTRACTOR TO ENSURE REMOVAL OF ALL COMPONENTS OF THE EXISTING FIRE SUPPRESSION SYSTEM THAT ARE NOT INTENDED TO BECOME PART OF THE NEW SYSTEM. ENSURE ALL UNUSED PIPING AND WIRING ASSOCIATED WITH THE EXISTING SPRINKLER SYSTEM ARE REMOVED BACK TO THE SOURCE.



MAINTENANCE WORK SHOP

| Revision/ | Description/Description | Date/Date |
|-----------|-------------------------|------------|
| 0 | ISSUED FOR TENDER | 2018-06-27 |

PARKS CANADA

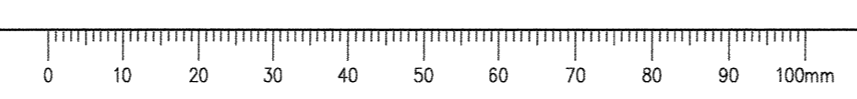
Project title/Titre du projet

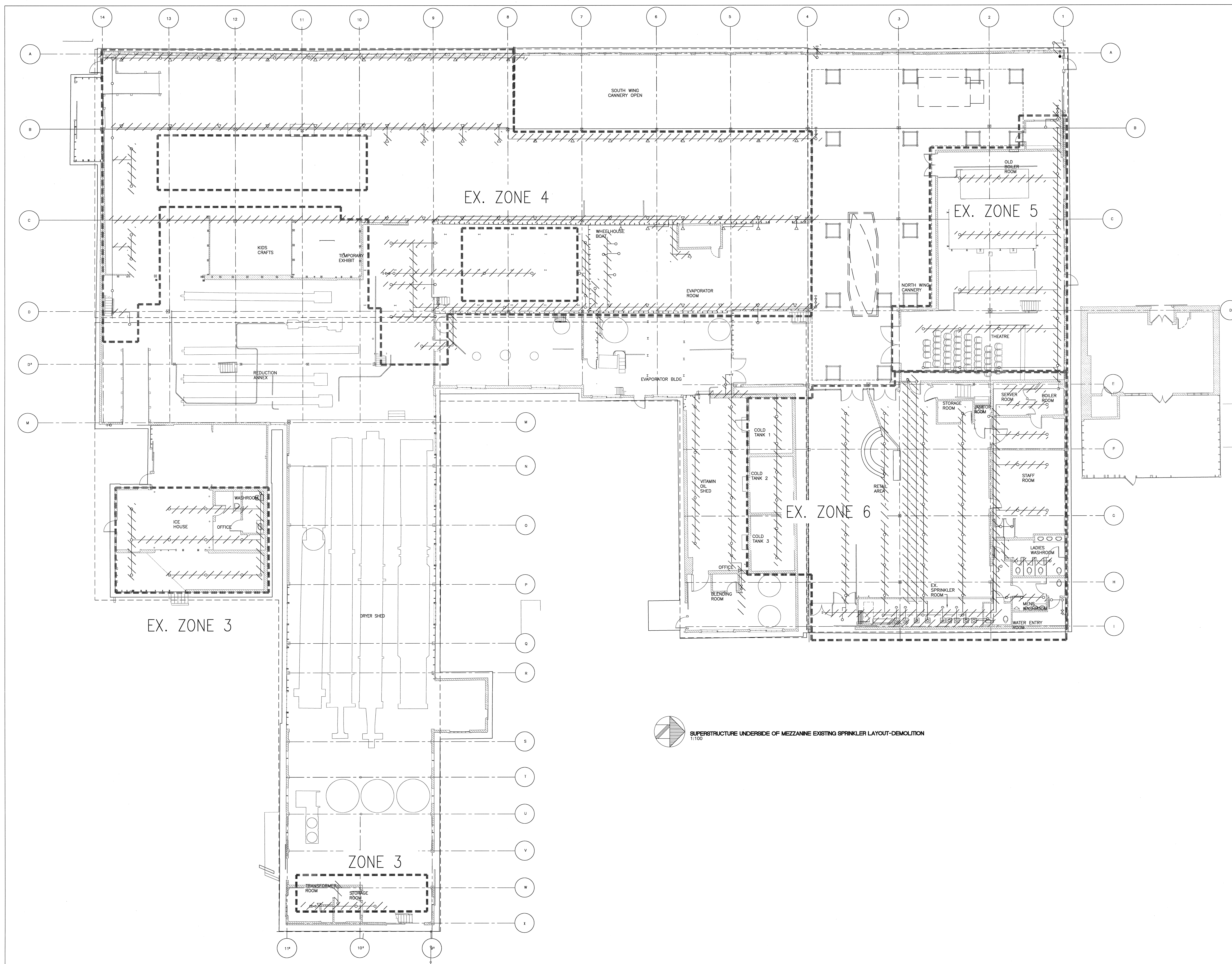
FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY

Consultant Approval Box Only
Designed by/Concept par: RV
Drawn by/Dessiné par: RV/VC
PWSSC Project Manager/Administrateur de Projets TPSSC: TOM DUNPHY

PWSSC, Regional Manager, Architectural and Engineering Services / Directeur régional, Services d'architecture et de génie, TPSSC

SUBSTRUCTURE EXISTING SPRINKLER LAYOUT - DEMOLITION





SUPERSTRUCTURE UNDERSIDE OF MEZZANINE EXISTING SPRINKLER LAYOUT-DEMOLITION
1:100

[Signature]
7 JUL 2016

| Revision/Description | Date/Date |
|----------------------|------------|
| 0 ISSUED FOR TENDER | 2016-06-27 |

Client/Client: **PARKS CANADA**

Project title/Titre du projet:

FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY

Consultant Approval Box Only

Designed by/Concept par: RV

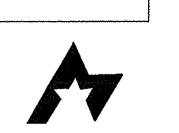
Drawn by/Dessiné par: RVWC

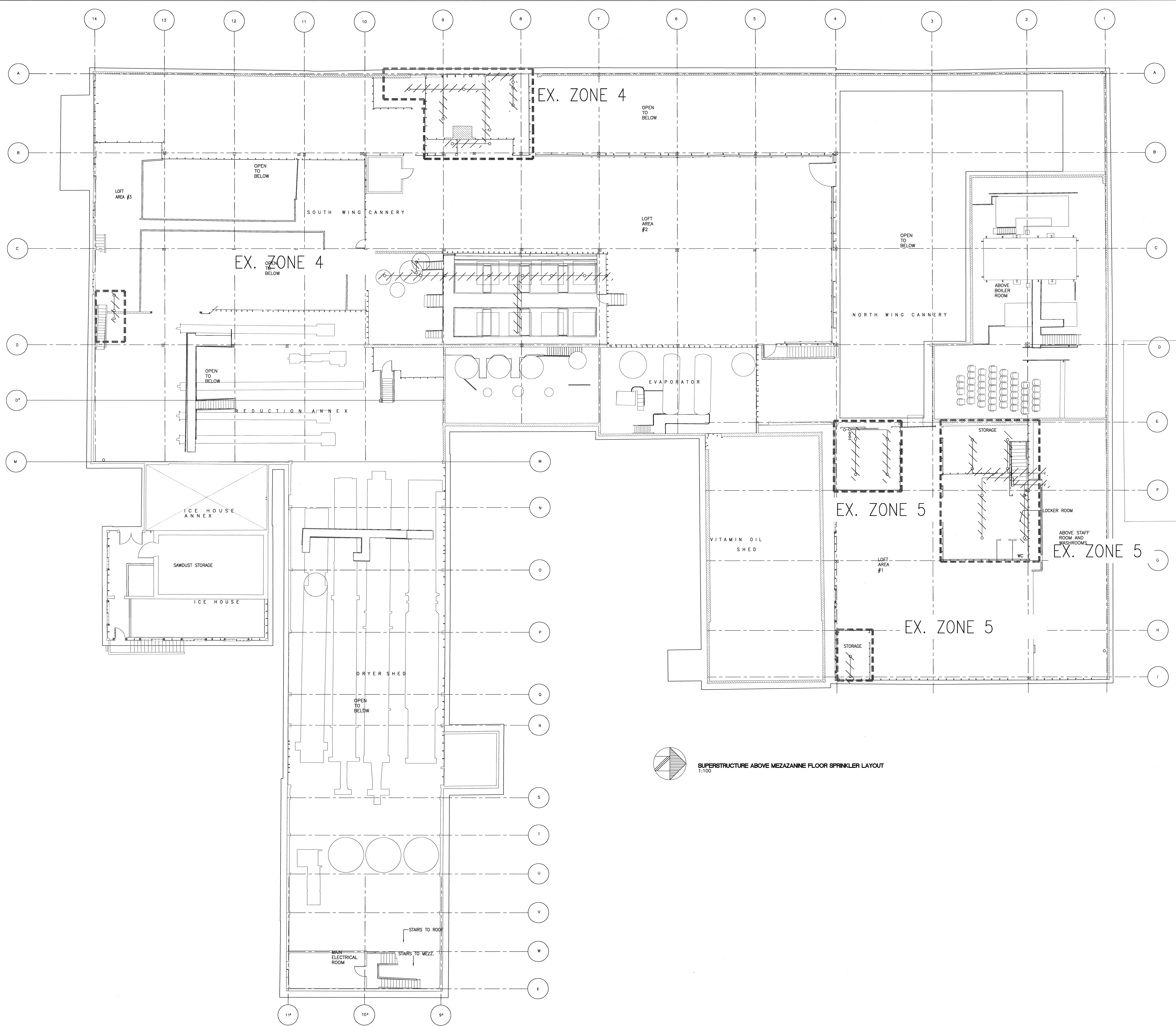
FWSC Project Manager/Administrateur de Projets TPSC: TOM DUNPHY

FWSC Regional Manager, Architectural and Engineering Services/Coordonnateur régional, Services d'architecture et de génie, TPSC: [Name]

Drawing title/Titre du dessin: **SUPERSTRUCTURE UNDERSIDE OF MEZZANINE EXISTING SPRINKLER LAYOUT - DEMOLITION**

| Project No./No. du projet | Sheet/Fauille | Revision no./La Révision |
|---------------------------|---------------|--------------------------|
| R.089515.001 | FD-3 OF 4 | 0 |





 SUPERSTRUCTURE ABOVE MEZZANINE FLOOR SPRINKLER LAYOUT
1:100

| Revision/ | Description/Description | Date/Date |
|-----------|-------------------------|------------|
| 0 | ISSUED FOR TENDER | 2018-06-27 |

CLIENT/CLIENT: PARKS CANADA

Project title/Titre du projet:

FIRE SPRINKLER REHABILITATION GULF OF GEORGIA CANNERY

Consultant Approval Box Only

Designed by/Concept par: RV
 Drawn by/Dessiné par: RWVC
 Project Manager/Administrateur de Projets: TFSGC TOM DUNPHY
 Project Manager/Administrateur de Projets: TFSGC TOM DUNPHY

Drawing title/Titre du dessin:
SUPERSTRUCTURE ABOVE MEZZANINE EXISTING SPRINKLER LAYOUT - DEMOLITION

