

PROJECT SCOPE

RETROFIT EXISTING MCDONALD'S WITH NEW WET FIRE SPRINKLER SYSTEM. RELIANCE SCOPE OF WORK STARTS AT SUPPLY ABOVE GRADE PROVIDED IN FIRE RISER RM 106. ALL UNDERGROUND WORK IS A PART OF THE SEPARATE PERMIT AND TO BE PROVIDED BY OTHERS.

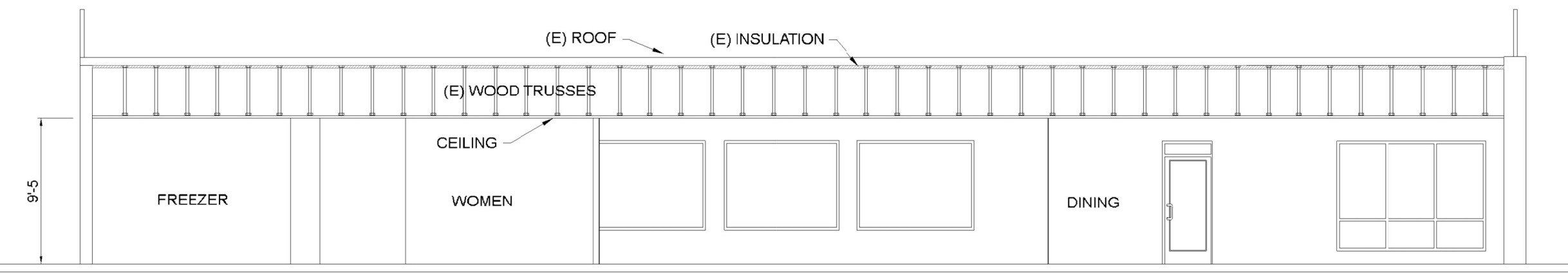
GENERAL NOTES

1. ALL DESIGN, INSTALLATION & MATERIALS TO CONFORM TO NFPA 13 & THE CITY OF PUYALLUP REQUIREMENTS.
2. SYSTEM TO BE HYDROSTATICALLY TESTED @ 200 PSI FOR 2 HOURS.
3. 24-HOUR SUPERVISION TO BE PROVIDED BY OTHERS.
4. ALL ELECTRICAL WORK TO BE PROVIDED BY OTHERS.
5. PIPE SIZING PER: HYDRAULIC CALCULATIONS.
6. ALL COMPONENTS OF THIS SYSTEM TO BE U.L. LISTED AND F.M. APPROVED.

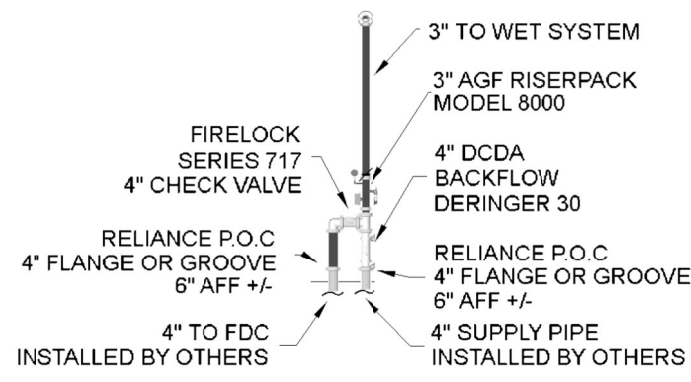
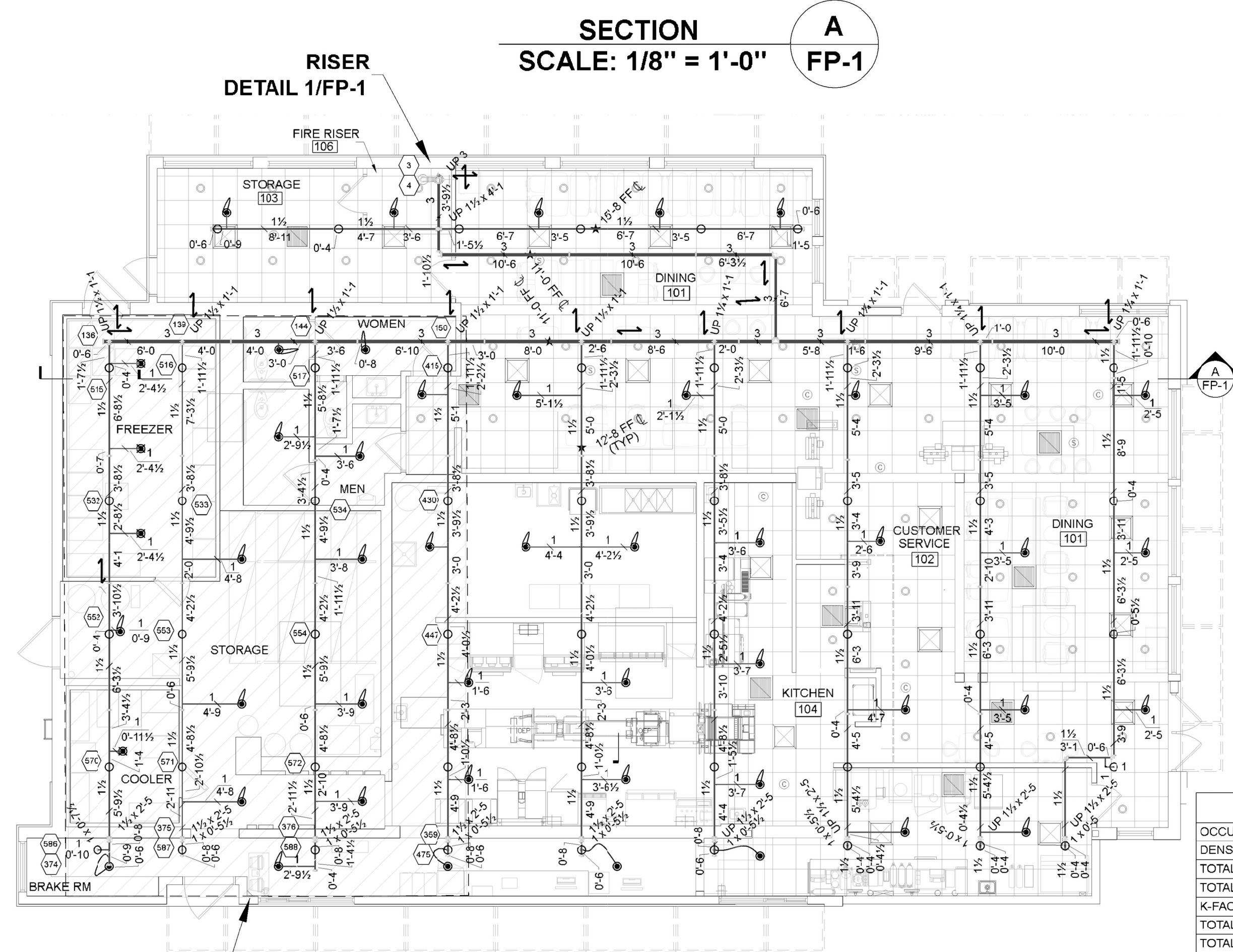
PIPING NOTES

SPRINKLER MAIN TO BE SCHED 10 BLACK STEEL PIPING WITH ORANGE GROOVED FITTINGS, MECHANICAL TEES AND COUPLINGS.

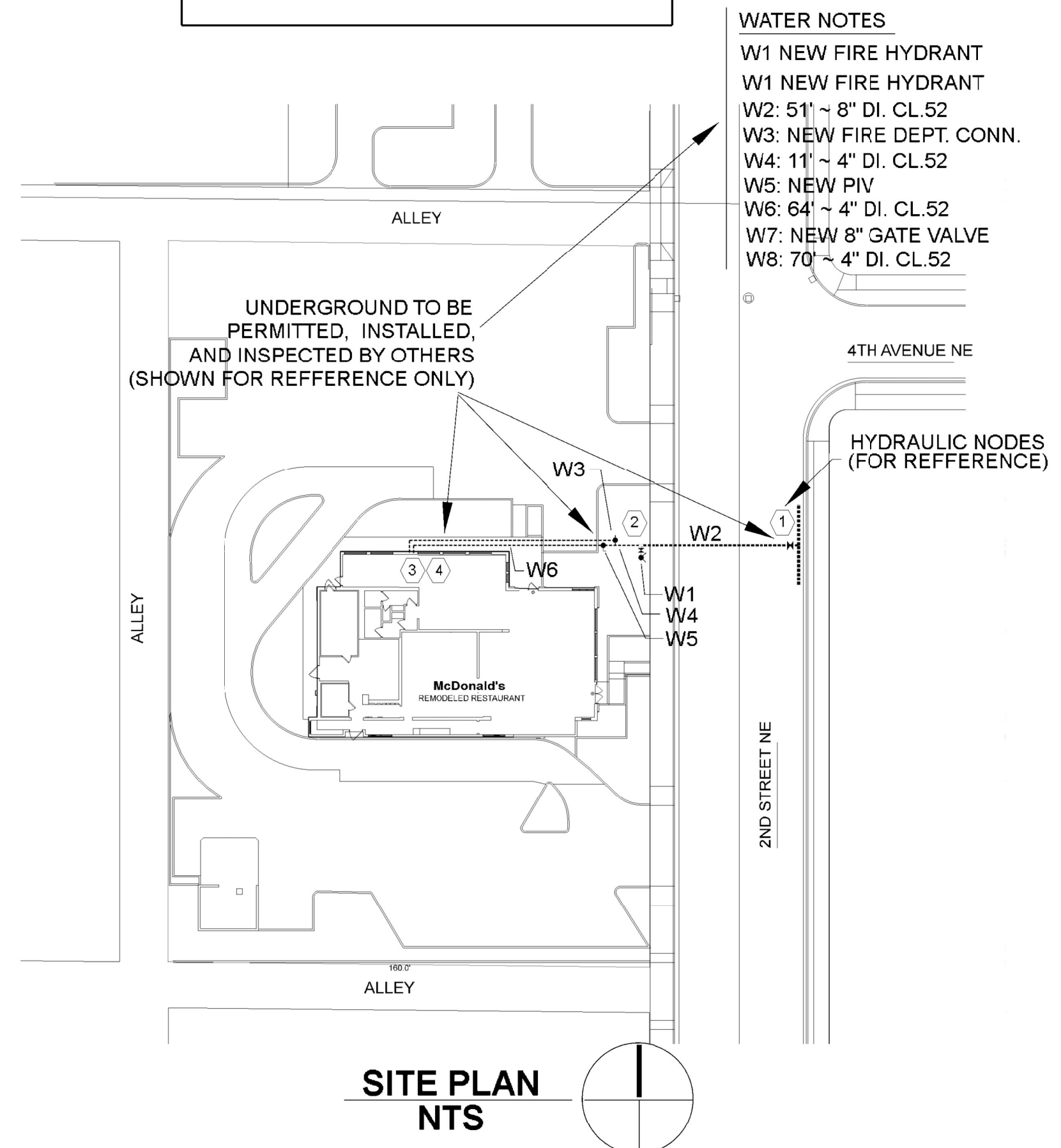
SPRINKLER BRANCH LINES TO BE SCHED 10 BLACK STEEL PIPING WITH ORANGE GROOVED FITTINGS AND SCHED 40 BLACK STEEL PIPING WITH BLACK THREADED FITTINGS.



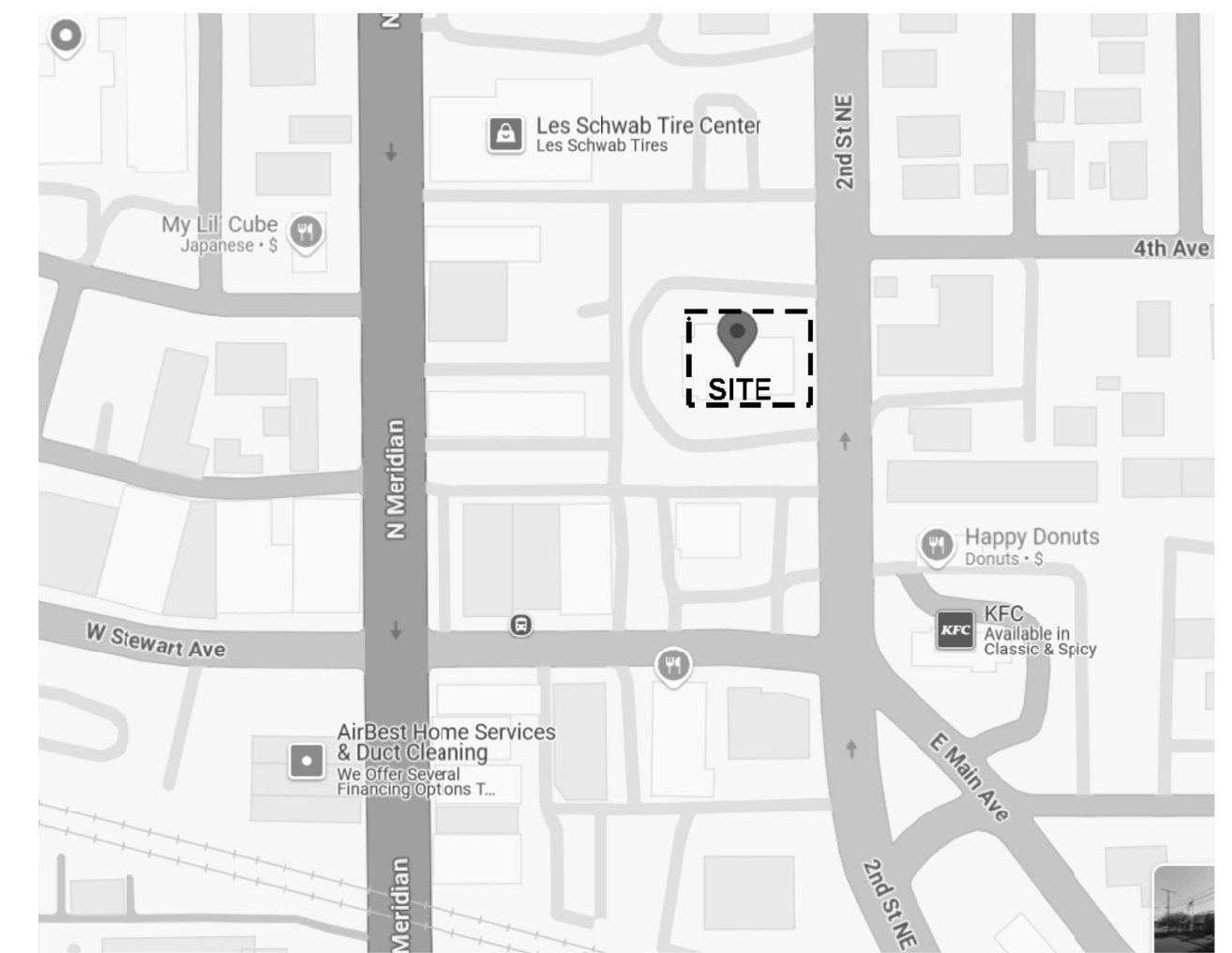
WATER FLOW INFORMATION	
STATIC PRESSURE:	51 (PSI)
RESIDUAL PRESSURE:	39 (PSI)
AVAILABLE FLOW @ HYDRANT:	1,560 (GPM)
FLOW TEST DATA: APPROVED FIRE FLOW MODEL BY GRAY & OSBORNE, INC	



Hydraulic Information	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY	0.100gpm/ft ² for 1500.00ft ² (Actual 1568.10ft ²)
TOTAL HOSE STREAMS	250.00
TOTAL HEADS FLOWING	19
K-FACTOR	5.6
TOTAL WATER REQUIRED	587.38
TOTAL PRESSURE REQUIRED	42.480
BASE OF RISER (gpm)	587.38
BASE OF RISER (psi)	42.480
SAFETY MARGN (psi)	+6.551 (13.4%)



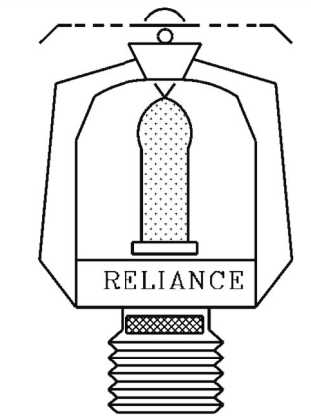
- WATER NOTES
- W1 NEW FIRE HYDRANT
 - W2: 51' ~ 8" DI. CL.52
 - W3: NEW FIRE DEPT. CONN.
 - W4: 11' ~ 4" DI. CL.52
 - W5: NEW PIV
 - W6: 64' ~ 4" DI. CL.52
 - W7: NEW 8" GATE VALVE
 - W8: 70' ~ 4" DI. CL.52



Legend	
Symbol	Description
—	NEW SPRINKLER PIPING
+	HANGER LOCATION
↔	2 WAY EQ. BRACE
↕	4 WAY EQ. BRACE

Revisions				
No.	Date	By	Description	

Sprinkler Legend									
Symbol	Manufacturer	Model / Style	FINISH	K Factor	NPT	Degree	Qty		
○	VICTAULIC	V2704 QR UPRIGHT	BRASS	5.6	1/2	155	51		
●	VICTAULIC	V2708 QR RESESSED PENDENT	CHR	5.6	1/2	155	47		
■	VICTAULIC	V3606 QR DRY PENDENT	CHR	5.6	1	155	4		
PROJECT TOTAL							102		



CONTRACTOR'S LICENSE:	
Lic. #	RELIAFP 102L1
Job No.:	B080124
Date:	8-28-24
Drawn by:	Oleg Sergeev
Approval:	CITY OF PUYALLUP
Scale:	1/8"=1'-0"

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MCDONALDS PUYALLUP REMODEL
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PUYALLUP, WA 98372

FIRE PROTECTION PLAN