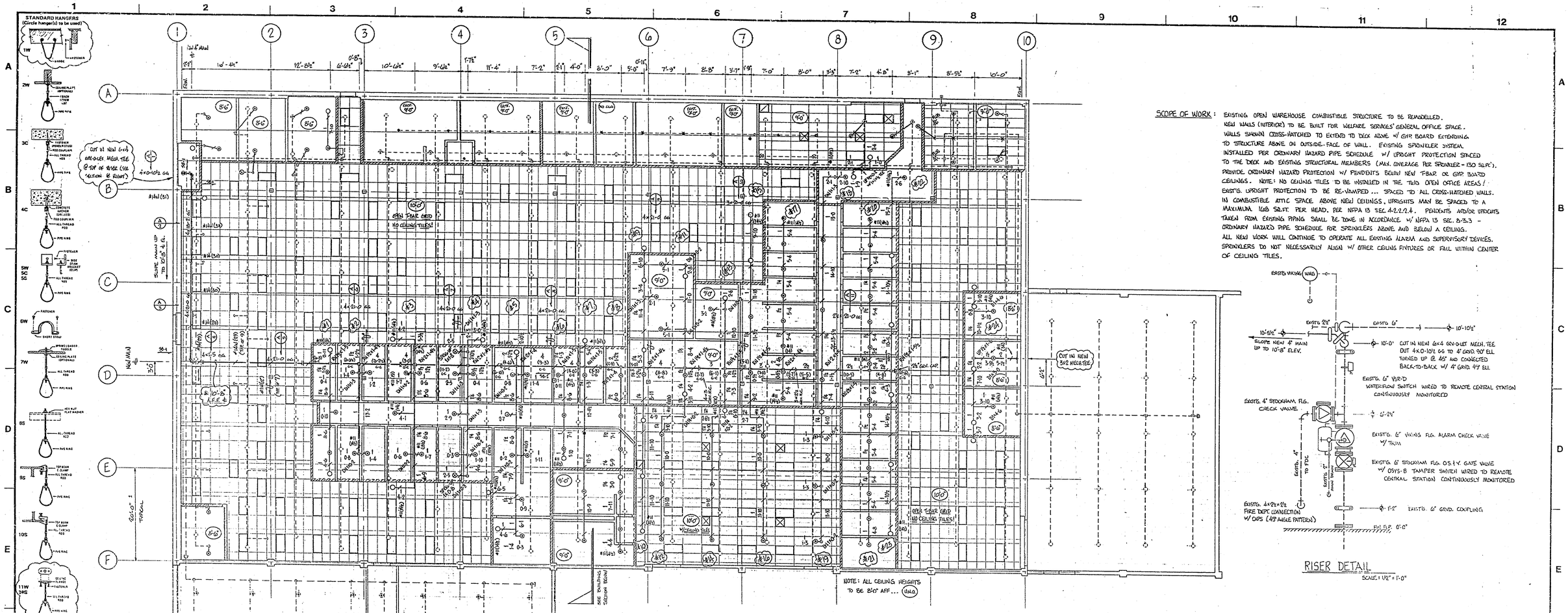
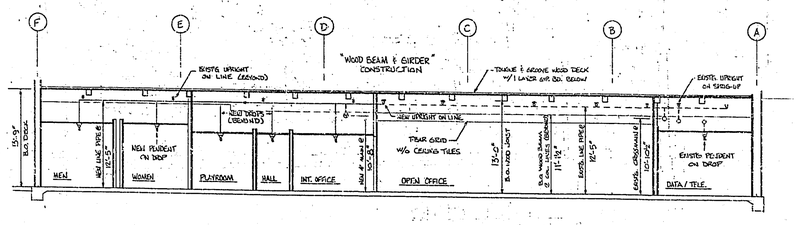


SCOPE OF WORK: EXISTING OPEN WAREHOUSE COMBUSTIBLE STRUCTURE TO BE REMODELLED. NEW WALLS (INTERIOR) TO BE BUILT FOR WELFARE SERVICES' GENERAL OFFICE SPACE. WALLS SHOWN CROSS-HATCHED TO EXTEND TO DECK ABOVE W/ GYP BOARD EXTENDING TO STRUCTURE ABOVE ON OUTSIDE-FACE OF WALL. EXISTING SPRINKLER SYSTEM INSTALLED PER ORDINARY HAZARD PIPE SCHEDULE W/ UPRIGHT PROTECTION SPACED TO THE DECK AND EXISTING STRUCTURAL MEMBERS (MAX. COVERAGE PER SPRINKLER - 130 SQ.FT.). PROVIDE ORDINARY HAZARD PROTECTION W/ PENDENTS BELOW NEW T-BAR OR GYP BOARD CEILINGS. NOTE: NO CEILING TILES TO BE INSTALLED IN THE TWO OPEN OFFICE AREAS! EXISTG. UPRIGHT PROTECTION TO BE RE-VAMPED ... SPACED TO ALL CROSS-HATCHED WALLS. IN COMBUSTIBLE ATTIC SPACE ABOVE NEW CEILINGS, UPRIGHTS MAY BE SPACED TO A MAXIMUM 1248 SQ.FT. PER HEAD, PER NFPA 13 SEC. 4-2.2.2.4. PENDENTS AND/OR UPRIGHTS TAKEN FROM EXISTING PIPING SHALL BE DONE IN ACCORDANCE W/ NFPA 13 SEC. 8-3.3 - ORDINARY HAZARD PIPE SCHEDULE FOR SPRINKLERS ABOVE AND BELOW A CEILING. ALL NEW WORK WILL CONTINUE TO OPERATE ALL EXISTING ALARM AND SUPERVISORY DEVICES. SPRINKLERS DO NOT NECESSARILY ALIGN W/ OTHER CEILING FIXTURES OR FALL WITHIN CENTER OF CEILING TILES.

RISER DETAIL

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



BUILDING SECTION

SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL MATERIALS AND INSTALLATION SHALL CONFORM TO NFPA #13 STANDARD.
2. OCCUPANCY CLASSIFICATION (PER SPECIFICATIONS) - ORDINARY HAZARD GROUP II.
3. PIPE SIZING IN ACCORDANCE W/ NFPA #13 SEC. 8-3 - ORD. HAZ. PIPE SCHEDULE.
4. NEW WET SYSTEM MAIN PIPING 2½" - 4" TO BE SCH. 10 BLK STL. W/ WELDED STEEL OUTLETS AND GROOVED FITTINGS AND COUPLINGS.
5. NEW WET SYSTEM LINE PIPING 1" - 2" TO BE ALLIED-XL THRD. T.W. W/ 125 PSI BLACK CAST IRON SCREWED FITTINGS.
6. ALL HANGERS AND FASTENERS SHALL CONFORM TO NFPA #13 SEC. 3-10.
7. ALL SWAY BRACING SHALL CONFORM TO NFPA #13 SEC. 3-5.3.5.
8. SYSTEM SHALL BE WIRED TO REMOTE CENTRAL STATION W/ 24 HR. MONITORING.

"AS-BUILT" DRAWING 4-25-90

NO.	DATE	BY	REVISIONS - SEE FLAGGED AREA ON PLAN

IMPORTANT

In locations subject to freezing conditions, it is the owner's responsibility to provide heat throughout wet pipe sprinkler systems areas and in enclosures for dry pipe deluge and other types of valves controlling water to fire sprinkler systems.

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CONTRACT RESPONSIBILITIES

ITEM	G.F.P.S.	OTHERS
STREET WATER CONNECTION		
UNDERGROUND WATER MAINS		
EXCAVATION		
BACKFILL		
WIRING		
PAINTING		

COORDINATION RECORD

CONTR. NAME	REF. DWG. REV./DATE	NAME	TELEPHONE

MATERIAL REQUIRED

	PIPING	DIAMETER	FEET	PIECES
INTERIOR				
				EXISTING
				EXISTING
UNDERGROUND				
NO. OF DROPS				

SPRINKLERS

TYPE	ORIF.	TEMP.	FINISH	CANOPY	SYMB.	QTY.
PSO. S.S.U.	1/8"	212°	BRASS	N/A		45
PSO S.S.P.	1/2"	165°	CHROME	MDN CHROME		100
				TOTAL	NEW	145
UPRIGHT	1/2"	165°	BRASS	N/A		51
PSO PENDENT	1/2"	165°	CHROME	MDN CHROME		13
BRASS PENDENT	1/2"	165°	BRASS	MDN CHROME		64
				TOTAL	EXISTING	132

TOTAL THIS SHEET: 277

SYMBOLS

Hydraulic Reference Point
Line Designation
Size of Pipe Below Bottom of Deck
Size of Pipe Above Ref. Plane
A Main Designation
Earthquake Bracing: 2 & 4 Way
Hanger
Union
Screwed Cap
Grooved Cap
Grooved Plug
Elevation Change in Pipe (Not this floor)
Gate Valve - N.R.S. (GV)
OS & Y Gate Valve (OS & Y)
Flow Switch (FS)
Monitor Switch
Butterfly Valve
Alarm Valve (AL V)
Electric Bell
Water Motor Gong (WMG)
Water Check Valve
Swing Check Valve
System Riser
Fire Dept. Conn. (Standard) (FDC)
Fire Dept. Conn. (Flush) (FDC)
Post Indicator Valve (PIV)
Fire Hydrant (3 Way)
Thread Block
Key Gate Stop Valve with Roadway Box
Fire Hose Assembly (hose nozzle)
Inspector Test
Grooved Coupling (rigid)
Flanged Coupling (rigid)
Globe Valve
Angle Valve
Dry Pipe Valve

ABBREVIATIONS

BOB	Bottom of Beam
BOD	Bottom of Deck
BOP	Bottom of Pipe
DG	Drop
HV	Hose Valve
N & C	Nipple and Cap
NIC	Not in Contract
NTS	Not to Scale
OS&Y	Open Stem & Yoke
PRV	Pressure Reducing Valve
TBD	Total Blind-Hold
TOC	Top of Curb
TOD	Top of Deck
TOG	Top of Grade
TOP	Top of Pipe
U.L.	Underwriters Laboratories

SYSTEM TYPE

WET ☒ DELUGE ☐
DRY ☐ PRE-ACTION ☐

APPROVALS

	DATE	BY
☐ USD		
☐ USN		
☐ CNO		
☒ WD	4-25-90	

DATE BY

GRINNELL FIRE PROTECTION SYSTEMS
EXECUTIVE OFFICES
PROVIDENCE, R.I.

CONTRACT NAME: WELFARE SERVICES FACILITY
1040 WEST OWENS AVE.
LAS VEGAS, NEVADA 89106
CONTRACT WITH: STEED BROS. CONSTRUCTION
DESCRIPTION: FIRE SPRINKLER PIPING - TENANT IMPROVEMENT

SYSTEM DESIGN DATA

HAZARD CLASSIFICATION:	ORD. HAZ. PIPE SCHEDULE / SYSTEM AREA: EXISTING
HYDRAULIC DESIGN DATA:	DENSITY: GPM/SQ. FT.: SQ. FT./HD.
AREA OF APPLICATION:	NO. FT. WIDE / LONG / AREA: SQ. FT.
TOTAL GPM REQUIREMENTS:	GPM AT PSI AT
WATER SUPPLY INFORMATION:	STATIC PRESSURE: PSI
RESIDUAL PRESSURE:	PSI WITH FLOW GPM
TEST:	
TEST AT	PSI DATE

SCALE: 1/8" = 1'-0"
DRAWN BY: M. SANDOVSKY
CHECKED BY:
DATE: 3-23-90
THESE PLANS PREPARED AT: LAS VEGAS
ENGINEERING DEPARTMENT
DRAWING NO. 1 OF 1
CONTRACT NO. 91-3507147-17-A3

11425 Suite — 1513-570