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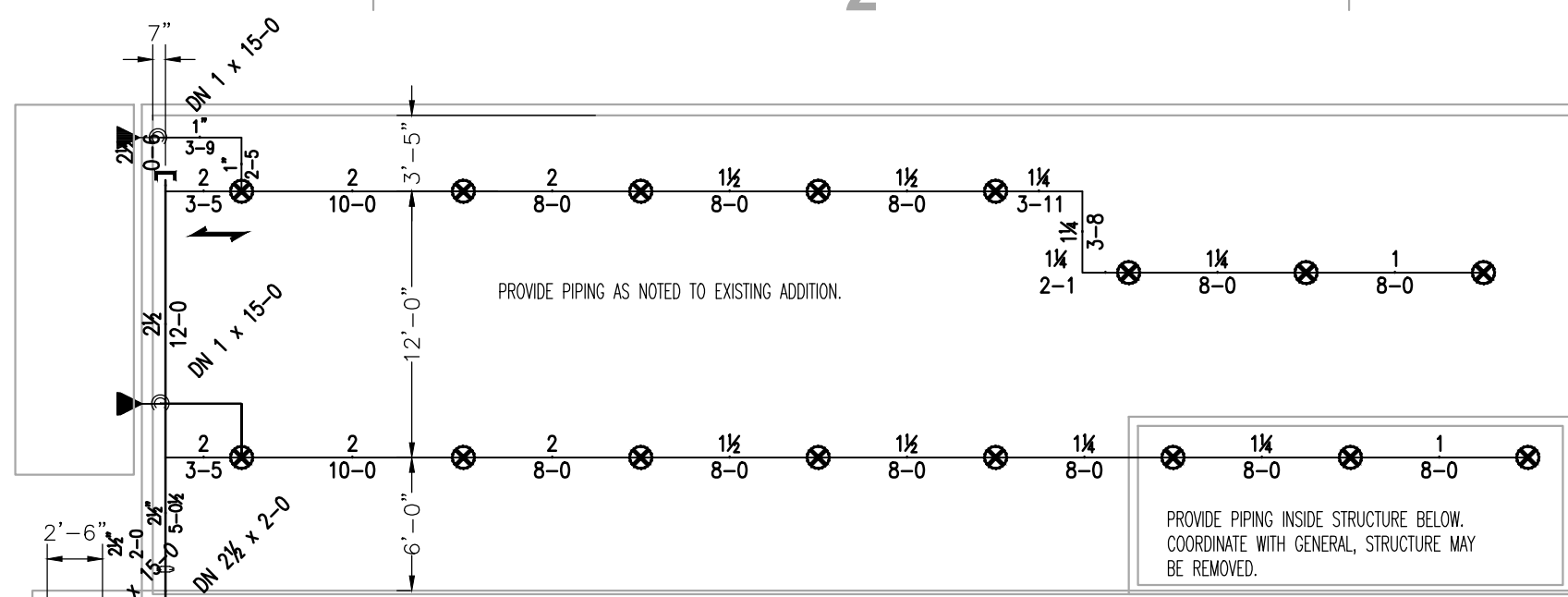
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6

SMALL OUT BUILDINGS- PROVIDE DRY
SHOWING COVERAGE AS NEEDED. INSTALL ON
TEE PER MANUFACTURERS REQUIREMENTS.
MAKE CONNECTION OFF 1" SPRING OUTLETS TO
SUPPLY HEADS. PROVIDE REDUCERS FOR
RECORD DRAWINGS.

COORDINATE WITH OWNER. SEVERAL AREAS
WERE CONSIDERED FOR DEMO.

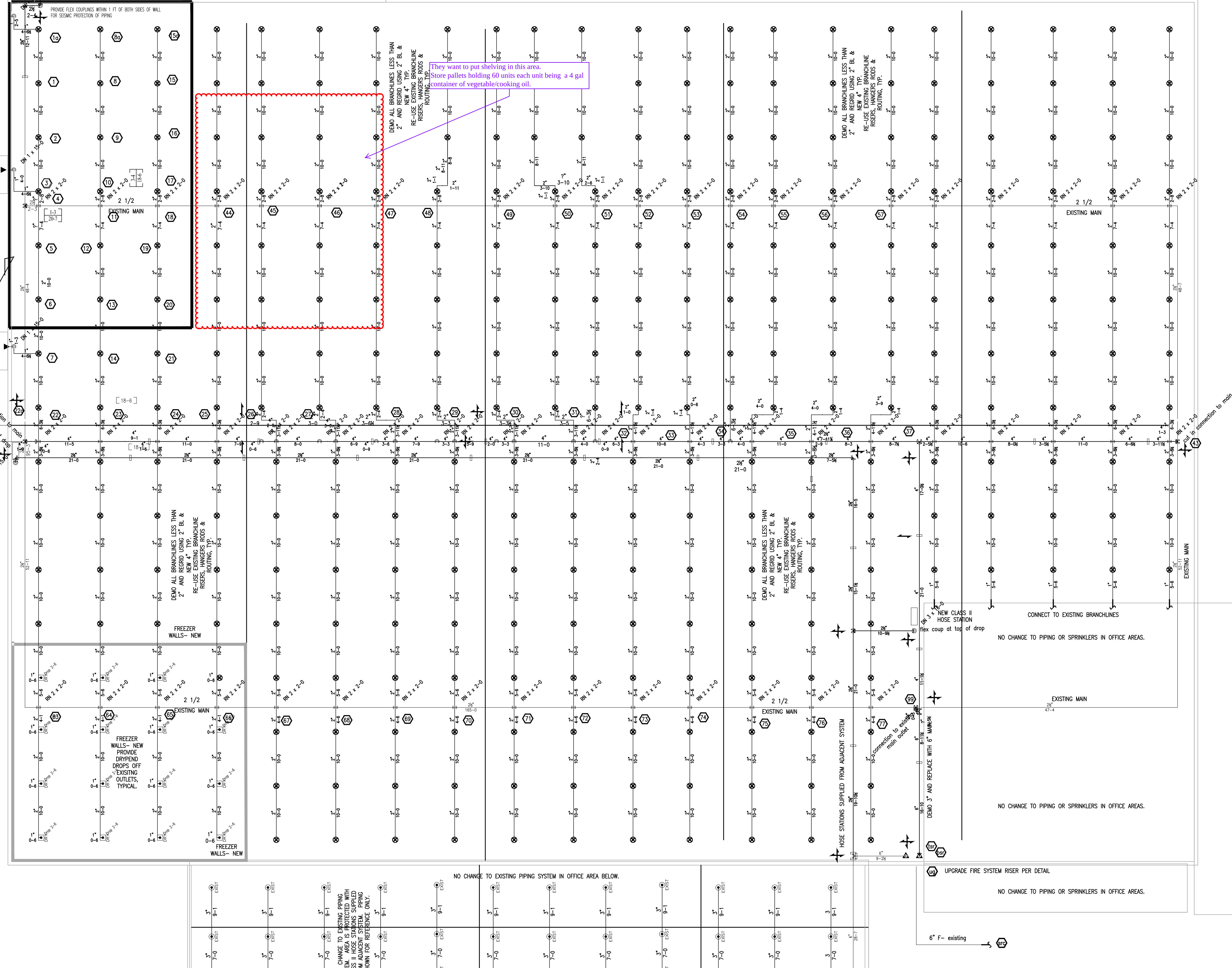


Sprinkler Head Schedule				
Symbol	Count	Thread	K-Factor	Description
312	3/4"	11.2	TY5111 5/8 SR 286 B	UP
15	1"	11.2	TY5255 5/8 S-10.00 286 C	PD
4	1"	5.6	TY3335 1/2 Q-10.00 200 C	HSW
331 = Total Number of Heads this floor				

They want to put shelving in this area.
Store pallets holding 60 units each unit being a 4 gal
container of vegetable/cooking oil.

REMOTE AREA 1-2 FOR OPEN SPACE STORAGE- USING K=11.2, HIGH
TEMP 286A, UPFR SPRINKLERS. ALLOWING FOR 18 FT STORAGE WITH
CHANGE TO PIPING AS FOLLOWS: REQUIRES A NEW 6" RISER
UPGRADE, 4" MAIN DOWN MIDDLE OF EXISTING MAINS WITH 2" OUTLET
TO GRID ALL
CLAS II COMMODITIES LESS THAN 20 FT STORAGE HEIGHT
300/2000 SQ.FT. DEMANDS 45 PSI FLOWING 1185 GPM AT SOURCE
(14 PSI BELOW SUPPLY PRESS) 10 HEADS- K=11.2 HIGH TEMP 286T
115 sq.ft. spacing typical
INCLUDES 100 GPM INSIDE + 400 GPM OUTSIDE HOSE ALLOWANCE.
DESIGN INCLUDES A 31% SAFETY MARGIN FOR PRESSURES AVAILABLE
REQUIRES CLASS II HOSE STATIONS SUPPLIED FROM ADJACENT SYSTEM
COMMODITIES SHALL BE 16" BELOW SPRINKLERS TYP.

CLASS II HOSE STATIONS REQUIRES
2 HOSE STATIONS AS REFERENCED
FOR 130 FT. (HOSE+SPRAY)
COVERAGE. PIPE SUPPLIED FROM
ADJACENT SPRINKLER ZONE. (SOUTH
WAREHOUSE) 4" (300FT APPROX)
TYP.



FIRE SPRINKLER PLAN- NORTH WAREHOUSE
SCALE: 1/8"=1'-0"

GENERAL NOTES

1. FIRE SPRINKLER SYSTEM MODIFICATIONS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA713, 2010 ED., INSTALLATION OF SPRINKLER SYSTEMS.
2. FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS LISTING REQUIREMENTS.
3. PIPE ROUTING, ELEVATIONS, SPRINKLER LOCATIONS, & DIMENSIONS ARE SCHEMATIC, AND SHALL BE USED AS REFERENCE ONLY. INSTALLER SHALL FIELD VERIFY CONDITIONS, AND PROVIDE OFFSETS AS REQUIRED FOR INSTALLATION. DEVIATION FROM SCHEMATIC PLAN SHALL BE APPROVED IN WRITING BY THE DESIGNER, PRIOR TO INSTALLATION.
4. SUBSTITUTION OF SPRINKLERS AND OTHER DEVICES SHALL BE OF EQUAL SPRINKLERS, VALVES, FITTINGS, PIPE, HANGERS AND OTHER MISC. DEVICES SHALL BE UL LISTED.
5. ALL SPRINKLER ARMOVERS, & DROPS SHALL BE CUT IN FIELD, USING 1" PIPE, TYPICAL.
6. CONNECTION TO EXISTING PIPING SYSTEM MAY USE MECHANICAL TEES AS NEEDED FOR ADDITIONAL OUTLETS.
7. CONTRACTORS STARTING POINT IS AT EXISTING SPRINKLER SYSTEM PIPING.
8. SCOPE OF WORK: MODIFY EXISTING WET SYSTEM IN WAREHOUSE. HIGH PILE STORAGE AT 20 FT. MAX STORAGE AND 18" CLEARANCE BELOW SPRINKLER SHALL BE PROVIDED. ALSO ADD SPRINKLERS IN EXISTING ADDITION TO NORTH WAREHOUSE (ORDINARY HAZARD GP1). UPGRADE SYSTEM RISER PER DETAIL.
9. IT IS THE OWNERS RESPONSIBILITY TO MAINTAIN A MINIMUM 40FT THROUGHOUT SPACES CONTAINING WET SPRINKLER PIPE. UNLESS OTHERWISE NOTED ENTIRE BUILDING IS CONSIDER A HEATED SPACE.

CAPITAL TRADING WAREHOUSE FIRE SUPPRESSION UPGRADE

4122 SOUTH 500 WEST
MURRAY, UT

REVISIONS
ASBUILT- 12-5-13

PROJECT # 633
DRAWN BY: FSDG
ISSUE DATE: 6/20/13

SHEET CONTENTS

NORTH WAREHOUSE
FIRE SPRINKLER
UPGRADE- PLAN

F101

RECORD DRAWING ADVISORY

This record drawing has been prepared, in part, based upon information furnished by others. While this information is believed to be reliable, the ENGINEERS & ARCHITECTS cannot assure its accuracy, and thus are not responsible for the accuracy of this record drawing or for any errors or omissions which may have been incorporated into it as a result. Those relying on this record document are advised to obtain independent verification of its accuracy before applying it for any purpose.

F.S.S.

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