FIRE PROTECTION GENERAL NOTES

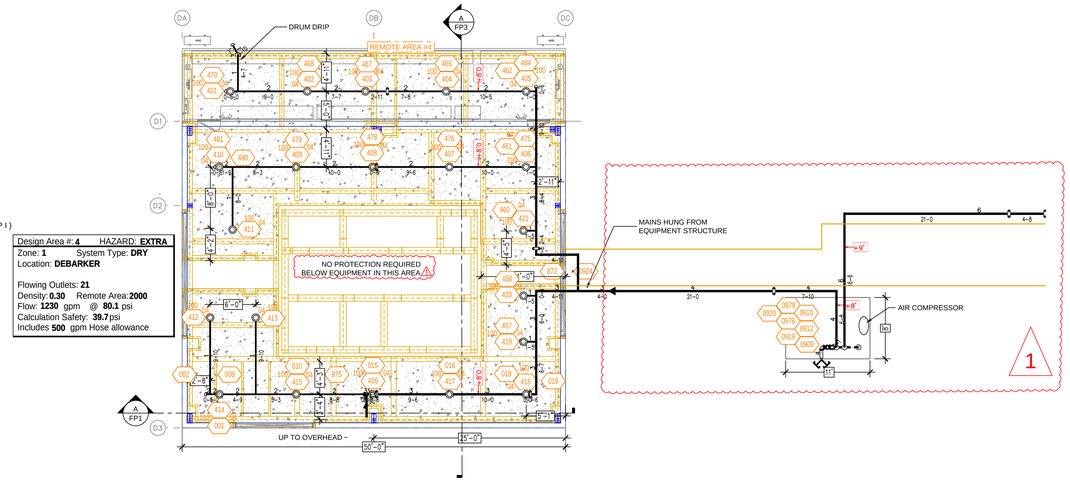
1. MATERIAL & WORKMANSHIP FOR FIRE PROTECTION SYSTEM SHALL BE DESIGNED, INSTALLED, & TESTED IN ACCORDANCE WITH N.F.P.A. #13 2019 EDITION AND LOCAL FIRE MARSHAL'S REQUIREMENTS.
2. ALL FITTINGS & DEVICES SHALL BE UL LISTED.
3. PIPE 1 1/4" & SMALLER SHALL BE GRADE "A" GALVANIZED STEEL, SCH. 40 PIPE PER ASTM A53. FITTINGS SHALL BE CLASS # 150 MALLEABLE IRON PATTERN A.N.S.I. B 16.4 OR FACTORY PAINTED VICTAULIC GROOVED FITTINGS CONFORMMING TO ASTM A-126 CLASS A.
4. PIPE 1 1/2" & LARGER SHALL BE GRADE "A" GALVANIZED STEEL SCH. 10 WITH ROLL -GROOVED ENDS. FITTINGS SHALL BE OF THE FACTORY PAINTED VICTAULIC FIRELOCK AND INSTALLATION READY TYPE.

✓ DENOTES APPROXIMATE LOCATION OF PIPE HANGERS. PIPE TO BE HUNG USING 3/8" TOP BEAM CLAMPS, ANGLE CLIPS, WINUTS & WASHERS WITH CLEVIS RING HANGERS & ALL THREAD ROD. HANGERS DESIGNED, SPACED AND INSTALLED IN ACCORDANCE WITH N.F.P.A. #13.

APPROPRIATE SIGNS SHALL BE INSTALLED ON ALL VALVES, DRAINS, INSPECTOR'S TEST, ETC., INCLUDING HYDRAULIC PLAQUE ON RISER.

HYDRAULIC DESIGN CRITERIA SHALL BE 0.30GPM/FT^{2}OVER THE ENTIRE AREA (EXTRA GROUP I)

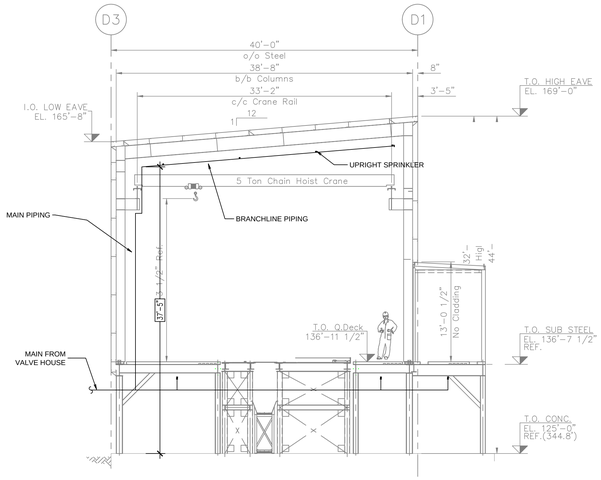
DRY PIPE SYSTEMS, BRANCH LINES SHALL BE PITCHED AT LEAST 1/2" PER 10 FT.
MAINS SHALL BE PITCHED AT LEAST 1/4" PER 10 FT.



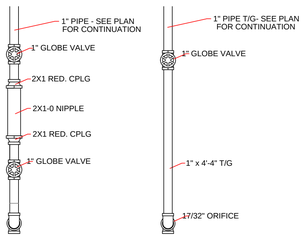
Design Area #: **4** HAZARD: **EXTRA**
Zone: **1** System Type: **DRY**
Location: **DEBARKER**

Flowing Outlets: **21**
Density: **0.30** Remote Area: **2000**
Flow: **1230** gpm @ **80.1** psi
Calculation Safety: **39.7** psi
Includes **500** gpm Hose allowance

DEBARKER LOWER LEVEL FIRE PROTECTION PLAN
SCALE: 1/8"=1'-0"



FULL HEIGHT CROSS SECTION-DEBARKER
SCALE: 1/8"=1'-0" (SECTION 'A')

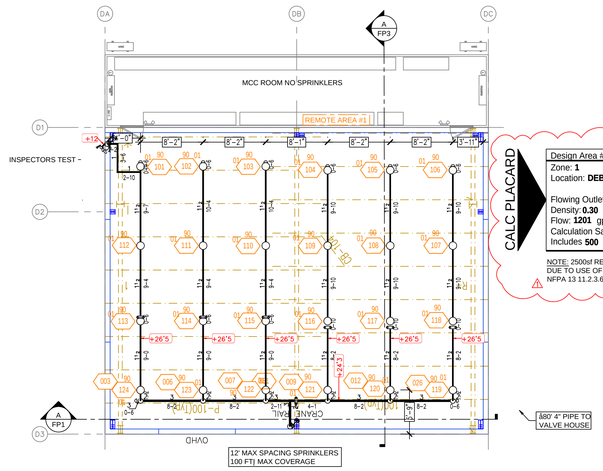


LOW POINT DRAIN DRUM DRIP DETAIL

INSPECTOR'S TEST CONNECTION DETAIL

MAX HANGER SPACING	
NOMINAL SIZE inches	MAX SPACING feet
1" & 1-1/4"	12'-0"
1-1/2" & LARGER	15'-0"

HANGER DETAILS
N.T.S.



Design Area #: **1** HAZARD: **EXTRA**
Zone: **1** System Type: **DRY**
Location: **DEBARKER**

Flowing Outlets: **24**
Density: **0.30** Remote Area: **2000**
Flow: **1201** gpm @ **85.2** psi
Calculation Safety: **34.9** psi
Includes **500** gpm Hose allowance

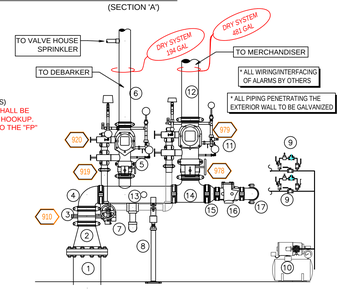
CALC PLACARD

NOTE: 2500sf REDUCED BY 20% TO 2000sf DUE TO USE OF HIGH TEMP SPRINKLERS PER NFPA 13 11.2.3.6

DEBARKER OVERHEAD FIRE PROTECTION PLAN
SCALE: 1/8"=1'-0"

RISER LEGEND

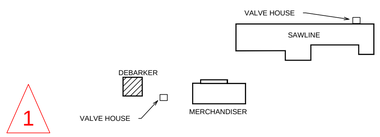
1. 10" UNDERGROUND WATER SERVICE (BY OTHERS)
   (FLUSHING & TESTING OF THE UNDERGROUND SHALL BE COMPLETED PRIOR TO THE SPRINKLER SYSTEM HOOKUP. UNDERGROUND PAPERS ARE TO BE SUPPLIED TO THE "FP" CONTRACTOR BY THE G.C.)
2. 10"X6" GROOVED CONCENTRIC REDUCER
3. 6" GROOVED BUTTERFLY VALVE W/ TAMPER
4. 6" GROOVED 90 (BY OTHERS)
5. 4" VICTAULIC FIRELOCK 768N DRY VALVE
6. 4" PIPE TO DEBARKER
7. MAIN DRAIN PIPED TO OUTSIDE
8. 6" PIPE STAND
9. AIR MAINTENANCE DEVICE
10. AIR COMPRESSOR
11. 6" VICTAULIC FIRELOCK 768N DRY VALVE
12. 6" GROOVED TO MERCHANDISER
13. 1-1/2" HUMP HOSE RACK W/100' OF 1-1/2" HOSE
14. 6" GROOVED TEE
15. 6"X4" GROOVED CONCENTRIC REDUCER
16. 4" GROOVED CHECK VALVE
17. 4" GROOVED 90 TO FDC



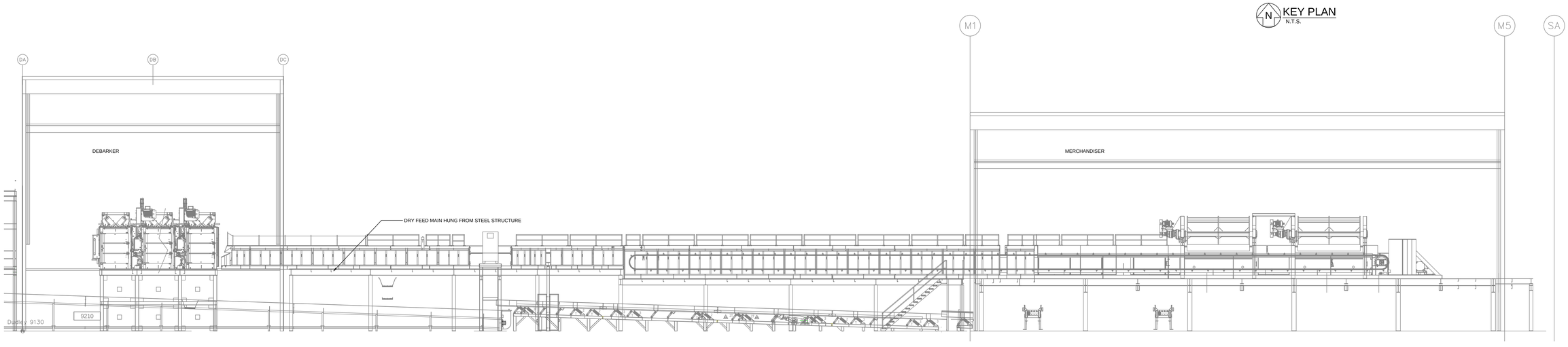
SYM	CNT	POSITION	FINISH	TEMP	K	NPT	S/N	MFG.	MODEL#
	46	SPRIG	BRASS	286	8.00	3/4"	V3401	VICTAULIC	FL-SR
	95	UPRIGHT	BRASS	286	8.00	3/4"	V3401	VICTAULIC	FL-SR

145 TOTAL

HEAD LEGEND



KEY PLAN
N.T.S.



FULL HEIGHT CROSS SECTION-SITE
SCALE: 1/8"=1'-0"

PARTIAL SUBMITTAL

REVISION TABLE

#	DESCRIPTION
0	
1	

WEST FRASER TIMBER
7475 ALABAMA HWY 22
MAPLESVILLE, AL 36750

Project No.
Date: 4/26/2023
Drawn By: AM
Sheet No. FP3
Sequence: 3 OF 6