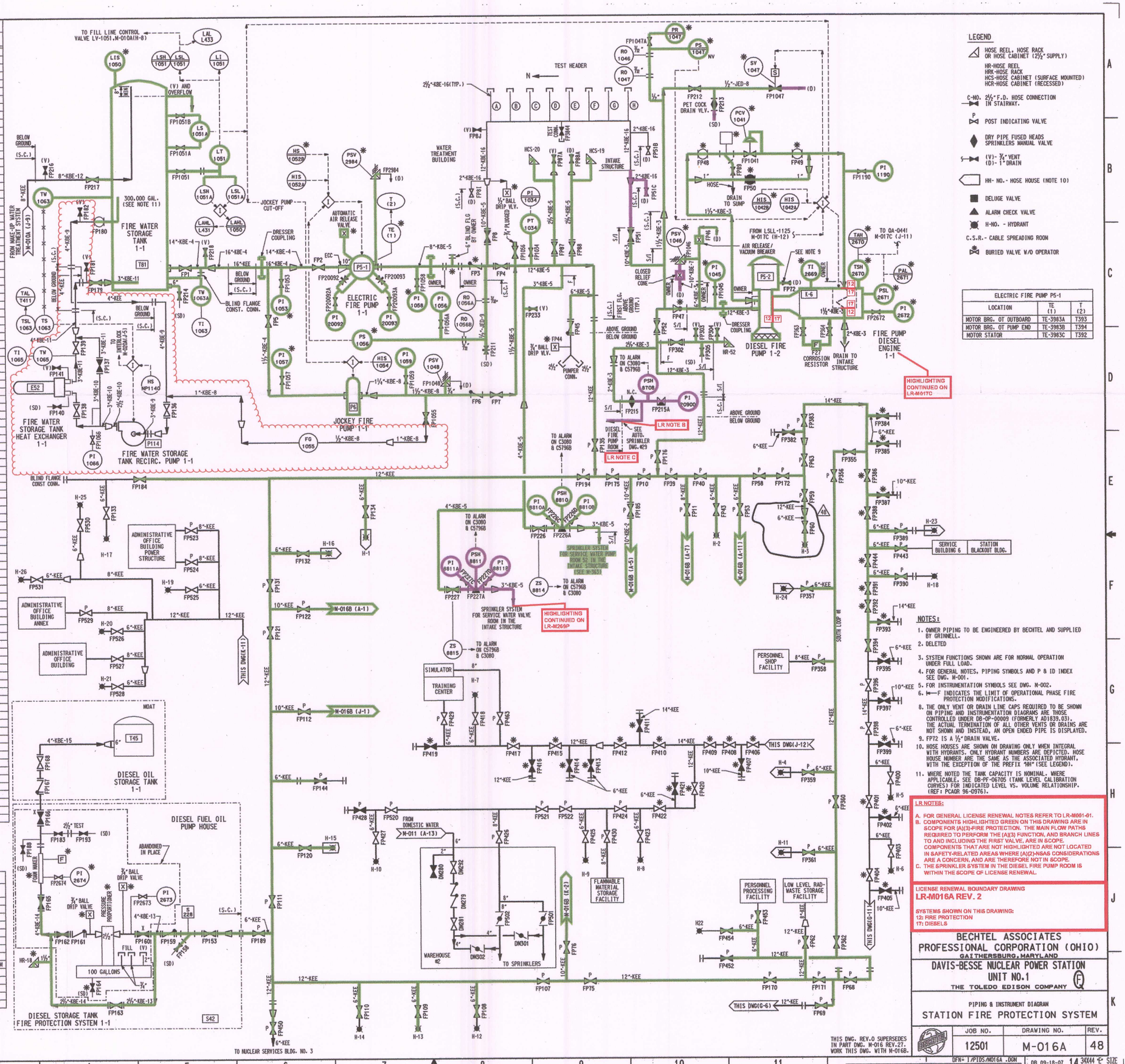
RC=CEL:I[55,100]FORMATS.CEL AC=E7749

HOSE REEL AND CABINET LOCATIONS

EQUIP. NO.	BLDG.	FL. ELEV.	LOCATION
HR-1	TURB.	567'	COL. E-7.1
HR-2	TURB.	585'	COL. A-7
HR-3	TURB.	585'	COL. B-10
HR-4	TURB.	585'	COL. F-9
HR-5	TURB.	585'	COL. F-6
HR-6	TURB.	585'	COL. E-4
HR-7	TURB.	585'	COL. A-3
HR-8	TURB.	603'	COL. F-9.5
HR-9	TURB.	603'	COL. B-10
HR-10	TURB.	603'	COL. A-7
HR-11	TURB.	603'	COL. F-5
HR-12	TURB.	623'	COL. F-9
HR-13	TURB.	623'	COL.F-4
HR-14	TURB.	623'	COL. A-5
HR-15	TURB.	623'	COL. A-10
HR-16	TURB.	567'	COL. E-5
HR-17	TURB.	567'	COL. A-7
HR-18	YARD	--	YARD
HR-50	TURB.	603'	HEATER BAY- COL.4 8 G
HR-51	TURB.	585'	HEATER BAY- COL.4 8 G
HR-52	INTAKE STRUCTURE	585'	INTAKE STRUCTURE COL. 4.7 8 1AG
HCS-19	WATER TREATMENT BUILDING	566'	COL. WD-2
HCS-20	WATER TREATMENT BUILDING	585'	COL. WD-2
HCS-21	AUX.	565'	COL. H-9, HALLWAY
HCS-22	AUX.	565'	COL. JF-8.3 OUTSIDE MAKEUP TANK. HALLWAY
HCS-23	AUX.	585'	OUTSIDE BUS "CD" ROOM COL. H-3
HCS-24	AUX.	585'	N.E. CORNER S.F. POOL COL. H-8.2
HCS-25	AUX.	585'	OUTSIDE SOLID WASTE BALER ROOM COL. JF-9
HCS-26	AUX.	603'	EQUIPMENT HATCH AREA COL. JC-8.6
HCR-27	AUX.	603'	PERSONNEL LOCK AREA COL. H-8.2
HCS-28	AUX.	603'	COL. G-7 ELECTRICAL PENETRATION ROOM
HCS-29	AUX.	545'	COL. H-10 OUTSIDE ELEVATOR MACHINE ROOM
HCS-30	AUX.	623'	COL. G-4 EXHAUSTER EQUIPMENT AREA
HCS-31	AUX.	638'	A/C EQUIPMENT ROOM EAST SIDE
HCS-32	AUX.	555'	GRATING WALKWAY, ABOVE DECAY HEAT PUMP 1-2
HCS-33	AUX.	555'	GRATING WALKWAY, ABOVE DECAY HEAT PUMP 1-1
HCS-34	AUX.	565'	COL. G-10, HALLWAY
HCS-35	AUX.	565'	COL. J, BY STAIRS IN HALLWAY
HCS-36	AUX.	585'	COL. H-8 EAST PENETRATION ROOM
HCS-37	AUX.	585'	COL. J-8, BY DUCT CHASE
HCS-38	AUX.	585'	WEST PENETRATION ROOM. COL. JE-7
HCS-39	AUX.	603'	COL. JD2-7.7 WEST ELECTRICAL PENETRATION ROOM
HCR-40	AUX.	603'	COL. FA-9.3 HALLWAY
HCS-41	AUX.	643'	COL. K-7.35
HCS-42	AUX.	623'	COL. K-9, BY STAIRS
HCS-43	AUX.	638'	A/C EQUIPMENT ROOM-N.W. CORNER
HCS-44	AUX.	623'	COL. G-8
HCS-45	AUX.	585'	SOUTH WALL EMER. D.G.1-2 - ROOM 319
HCS-46	AUX.	585'	SOUTH WALL EMER. D.G.1-1 - ROOM 318
HCS-47	AUX.	565'	NO.1 MECH. PEN. ROOM @ ANNULUS ENTRANCE
HCS-48	AUX.	565'	NO.2 MECH. PEN. ROOM @ ANNULUS ENTRANCE
HCS-49	AUX.	643'	WEST MAIN STEAM ROOM #601 @ ENTRANCE
HRK-1	OFFICE	585'	CC-9.7
HRK-2	OFFICE	603'	BB-10
HRK-3	OFFICE	613'	BB-10
HRK-4	OFFICE	623'	BB-10
HRK-5	OFFICE	585'	AA-7
HRK-6	OFFICE	603'	AA-7
HRK-7	OFFICE	613'	AA-7
HRK-8	OFFICE	585'	AA-4.6
HRK-9	OFFICE	603'	AA-4.6
HRK-10	OFFICE	623'	AA-4.6
HRK-11	OFFICE	638'	BB-4.6
HRK-16	AUX.	613'-6"	F/FA-9.3
HRK-17	AUX.	623'	F/FA-9.3
HRK-20	AUX.	603'	F/FA-9.3
HRK-25	OFFICE	623'	AA-7
HRK-26	OFFICE	638'	BB-7
HRK-27	OFFICE	638'	BB-10
C-12	AUX.	545'	H/GD-11
C-13	AUX.	565'	H/GD-11
C-14	AUX.	585'	H/GD-11
C-15	AUX.	603'	H/GD-11
C-18	AUX.	638'	F/FA-9.3
C-19	AUX.	585'	F/FA-9.3
C-21	AUX.	565'	JF-9
C-22	AUX.	585'	JF-9
C-23	AUX.	603'	JF-9
C-24	AUX.	623'	JF-9
C-28	NEW WAREHOUSE REC. AREA	585'	BB-10
HR-53	WORKERS SERVICE BLDG. #3	585'	SOUTH-EAST CORNER
HR-54	PPF	597'	NORTH-WEST STAIRWELL
HR-55	WAREHOUSE #2	585'	WEST END
HR-56	WAREHOUSE #2	585'	CENTER OF BLDG.
HR-57	WAREHOUSE #2	585'	EAST END

FIRE PANEL LOCATION

PANEL NO.	DESCRIPTION	LOCATION
FDS/RMS	FIRE & RADIATION CONSOLE	CONTROL ROOM
C2720	FIRE ALARM PANEL	EL. 565' AUX. BLDG.
C3720	FIRE ALARM PANEL	EL. 585' AUX. BLDG.
C4720	FIRE ALARM PANEL	EL. 603' AUX. BLDG.
C5796A	FIRE ALARM PANEL	EL. 623' CONTROL ROOM
C6713	FIRE ALARM PANEL	EL. 643' VESTIBULE TO A/C EQUIP. ROOM
C3080	FIRE ALARM PANEL	EL. 585' INTAKE STRUCTURE
C3520	FIRE ALARM PANEL	EL. 585' NORTH HEATER BAY
C4520	FIRE ALARM PANEL	EL. 603' NORTH HEATER BAY
C5401	FIRE ALARM PANEL	EL. 623' TURBINE DECK
C5796B	FIRE SYSTEM NODE DISPLAY UNIT	EL. 623' CONTROL ROOM



LEGEND

- HOSE REEL, HOSE RACK OR HOSE CABINET (2½" SUPPLY)
  - HR-HOSE REEL
  - HRK-HOSE RACK
  - HCS-HOSE CABINET (SURFACE MOUNTED)
  - HCR-HOSE CABINET (RECESSED)
- C-NO. 2½" F.D. HOSE CONNECTION IN STAIRWAY.
- P — POST INDICATING VALVE
- DRY PIPE FUSED HEADS SPRINKLERS MANUAL VALVE
- (V)- ¾" VENT (D)- 1" DRAIN
- HH- NO. - HOSE HOUSE (NOTE 10)
- DELUGE VALVE
- ALARM CHECK VALVE
- H-NO. - HYDRANT
- C.S.R.- CABLE SPREADING ROOM
- BURIED VALVE W/O OPERATOR

ELECTRIC FIRE PUMP P5-1		
LOCATION	TE (1)	T (2)
MOTOR BRG. OT OUTBOARD	TE-3983A	T393
MOTOR BRG. OT PUMP END	TE-3983B	T394
MOTOR STATOR	TE-3983C	T392

NOTES:

1. OWNER PIPING TO BE ENGINEERED BY BECHTEL AND SUPPLIED BY GRINNELL.
2. DELETED
3. SYSTEM FUNCTIONS SHOWN ARE FOR NORMAL OPERATION UNDER FULL LOAD.
4. FOR GENERAL NOTES, PIPING SYMBOLS AND P & ID INDEX SEE DWG. M-001.
5. FOR INSTRUMENTATION SYMBOLS SEE DWG. M-002.
6. ⊢F INDICATES THE LIMIT OF OPERATIONAL PHASE FIRE PROTECTION MODIFICATIONS.
8. THE ONLY VENT OR DRAIN LINE CAPS REQUIRED TO BE SHOWN ON PIPING AND INSTRUMENTATION DIAGRAMS ARE THOSE CONTROLLED UNDER DB-OP-00009 (FORMERLY AD1839.03). THE ACTUAL TERMINATION OF ALL OTHER VENTS OR DRAINS ARE NOT SHOWN AND INSTEAD, AN OPEN ENDED PIPE IS DISPLAYED.
9. FP72 IS A ½" DRAIN VALVE.
10. HOSE HOUSES ARE SHOWN ON DRAWING ONLY WHEN INTEGRAL WITH HYDRANTS. ONLY HYDRANT NUMBERS ARE DEPICTED. HOSE HOUSE NUMBER ARE THE SAME AS THE ASSOCIATED HYDRANT, WITH THE EXCEPTION OF THE PREFIX "HH" (SEE LEGEND).
11. WHERE NOTED THE TANK CAPACITY IS NOMINAL. WHERE APPLICABLE, SEE DB-PF-06705 (TANK LEVEL CALIBRATION CURVES) FOR INDICATED LEVEL VS. VOLUME RELATIONSHIP. (REF: PCAGR 96-00761.

LR NOTES:

A. FOR GENERAL LICENSE RENEWAL NOTES REFER TO LR-M001-01.
B. COMPONENTS HIGHLIGHTED GREEN ON THIS DRAWING ARE IN SCOPE FOR (A)(3)-FIRE PROTECTION. THE MAIN FLOW PATHS REQUIRED TO PERFORM THE (A)(3) FUNCTION, AND BRANCH LINES TO AND INCLUDING THE FIRST VALVE, ARE IN SCOPE. COMPONENTS THAT ARE NOT HIGHLIGHTED ARE NOT LOCATED IN SAFETY-RELATED AREAS WHERE (A)(2)-NSAS CONSIDERATIONS ARE A CONCERN, AND ARE THEREFORE NOT IN SCOPE.
C. THE SPRINKLER SYSTEM IN THE DIESEL FIRE PUMP ROOM IS WITHIN THE SCOPE OF LICENSE RENEWAL.

LICENSE RENEWAL BOUNDARY DRAWING
LR-M016A REV. 2

SYSTEMS SHOWN ON THIS DRAWING:
12: FIRE PROTECTION
17: DIESELS

THIS DWG. REV.0 SUPERSEDES IN PART DWG. M-016 REV.27. WORK THIS DWG. WITH M-016B.

BECHTEL ASSOCIATES PROFESSIONAL CORPORATION (OHIO)
GAITHERSBURG, MARYLAND

DAVIS-BESSE NUCLEAR POWER STATION UNIT NO.1
THE TOLEDO EDISON COMPANY

PIPING & INSTRUMENT DIAGRAM
STATION FIRE PROTECTION SYSTEM

JOB NO.	DRAWING NO.	REV.
12501	M-016A	48

DFN= I/PIDS/M016A .DGN | DB 09-18-07 | 14 | 34X44 SIZE

D-01