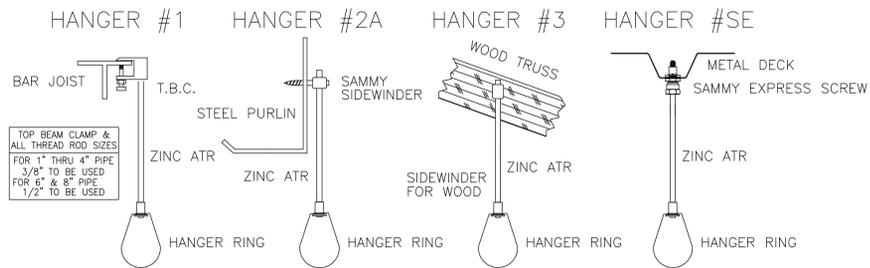


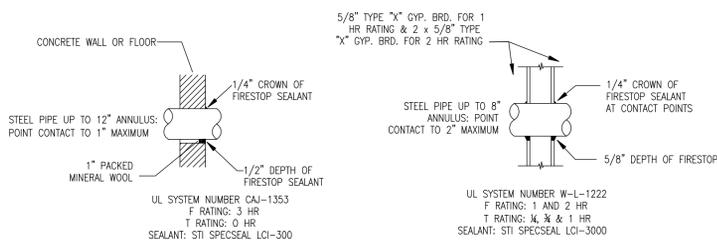
FLEXIBLE HEAD CONNECTION DETAILS FOR THE CENTERING OF SPRINKLER HEADS IN CEILING TILES

N.T.S.



HANGER DETAILS

SCALE N.T.S.



STEEL PIPE CONCRETE WALL PENETRATION

N.T.S.

STEEL PIPE DRY WALL PENETRATION

N.T.S.

Hydraulically Designed System	
Location	D.A. #1
No. of Sprinklers	24
Density	.10
Design Area Size	1500 SQ. FT.
System Demand At Base of Riser	
GPM Discharge	TBA
Residual PSI	TBA

Hydraulically Designed System	
Location	D.A. #2
No. of Sprinklers	10
Density	.10
Design Area Size	1500 SQ. FT.
System Demand At Base of Riser	
GPM Discharge	TBA
Residual PSI	TBA

Hydraulically Designed System	
Location	D.A. #3
No. of Sprinklers	9
Density	.15
Design Area Size	900 SQ. FT.
System Demand At Base of Riser	
GPM Discharge	TBA
Residual PSI	TBA

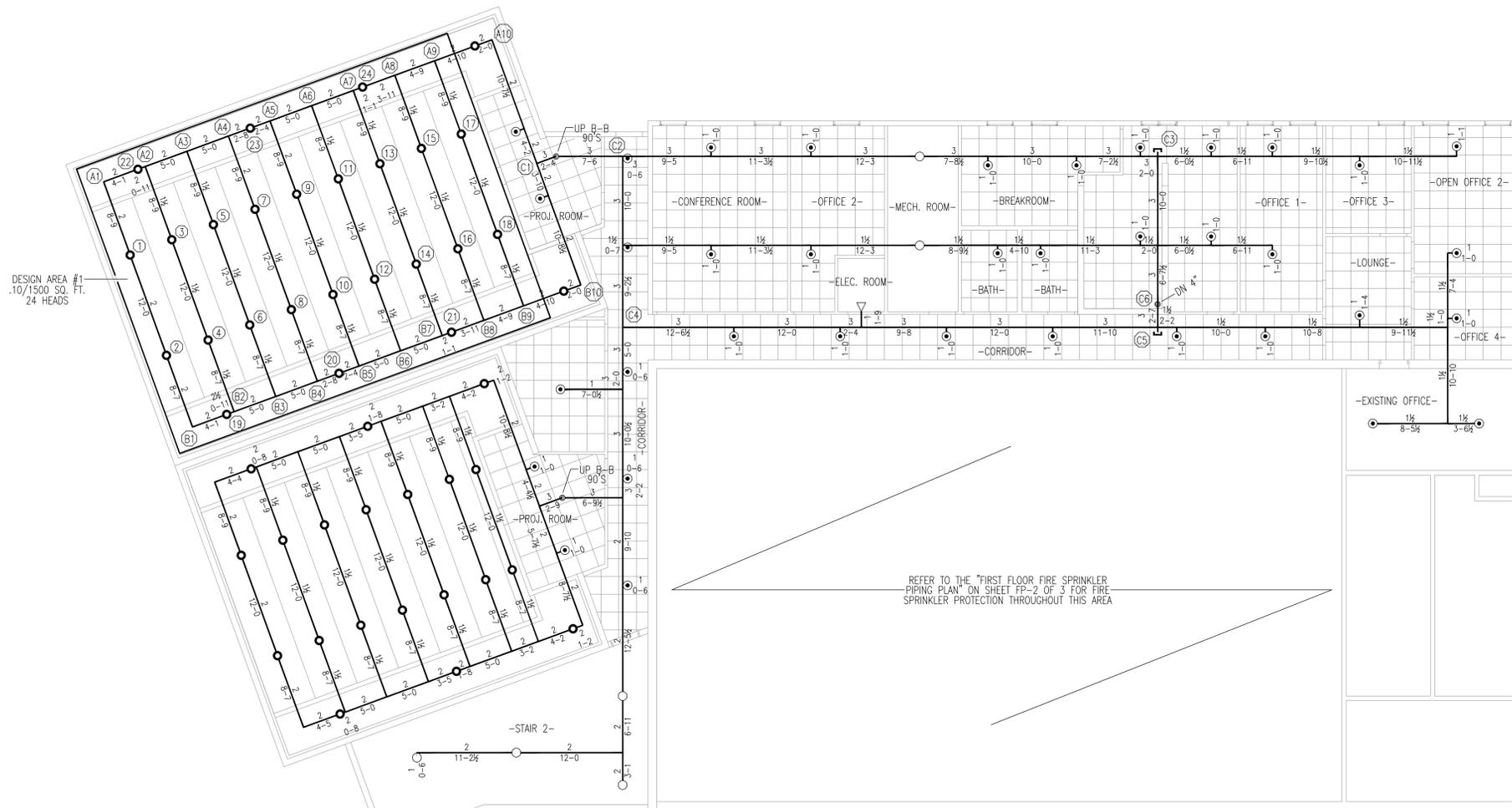
Hydraulically Designed System	
Location	D.A. #4
No. of Sprinklers	9
Density	.10
Design Area Size	900 SQ. FT.
System Demand At Base of Riser	
GPM Discharge	TBA
Residual PSI	TBA

NOTE: THE DESIGN AREA HAS BEEN REDUCED BY 40% FOR A MAXIMUM CEILING HEIGHT OF 9'-0" IN ACCORDANCE WITH NFPA 13, 2007 EDITION, SECTION 11.2.3.2.3.1

NOTE: THE DESIGN AREA HAS BEEN REDUCED BY 40% FOR A MAXIMUM CEILING HEIGHT OF 10'-4" IN ACCORDANCE WITH NFPA 13, 2007 EDITION, SECTION 11.2.3.2.3.1

NOTES:

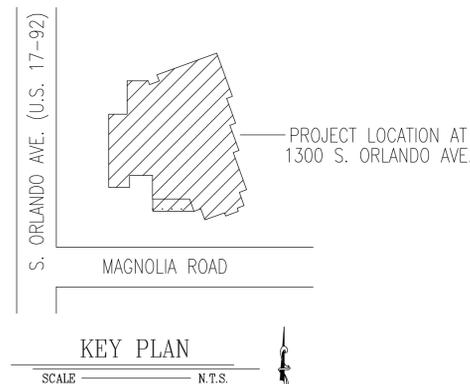
- ALL WORK, DESIGN, MATERIALS, AND INSTALLATION TO BE IN ACCORDANCE WITH NFPA 13, 2007 EDITION, THE MANUFACTURERS LISTING, & THE AUTHORITY HAVING JURISDICTION.
- THE DESIGN CRITERIA FOR THE OVERHEAD FIRE SPRINKLER SYSTEM WILL BE AS FOLLOWS:
 - LIGHT HAZARD AREAS: WET PIPE SYSTEM DESIGNED IN ACCORDANCE W/ NFPA 13, 2007 EDITION TO PROVIDE A .10 DENSITY FOR ALL, INCLUDING THE MOST REMOTE 1500 SQ. FT. HYDRAULIC DESIGN AREA (THE HYDRAULIC DESIGN AREA HAS BEEN REDUCED AS ALLOWED BY NFPA 13, 2007 EDITION, 11.2.3.2.3.1)
 - ORDINARY HAZARD GROUP 1 AREAS: WET PIPE SYSTEM DESIGNED IN ACCORDANCE WITH NFPA 13, 2007 EDITION TO PROVIDE A .15 DENSITY FOR ALL, INCLUDING THE MOST REMOTE 1500 SQ. FT. HYDRAULIC DESIGN AREA (THE HYDRAULIC DESIGN AREA HAS BEEN REDUCED AS ALLOWED BY NFPA 13, 2007 EDITION, 11.2.3.2.3.1)
- THE OCCUPANCY OF THIS BUILDING IS A MOVIE THEATER/ASSEMBLY TYPE OF FACILITY WITH ASSOCIATED LOBBY, DINING, AND KITCHEN AREAS; THE THEATERS, LOBBIES, OFFICES, BATHROOMS, BAR/DINING AREAS, CONFERENCE ROOMS, ETC... ARE CLASSIFIED AS LIGHT HAZARD OCCUPANCIES IN ACCORDANCE WITH NFPA #13, 2007 EDITION WHILE THE KITCHEN, ELECTRICAL ROOM, STORAGE ROOMS, MECHANICAL ROOMS, FREEZER/COOLER, ELEVATOR EQUIPMENT ROOM, ETC... ARE CLASSIFIED AS ORDINARY HAZARD GROUP ONE OCCUPANCIES IN ACCORDANCE WITH NFPA #13, 2007 EDITION.
- THE MAXIMUM SPACING OF THE STANDARD COVERAGE PENDENT SPRINKLERS IN THE LIGHT HAZARD OCCUPANCIES ARE NOT TO EXCEED 225 SQ. FT. PER SPRINKLER WHILE THE MAXIMUM SPACING OF THE UPRIGHT SPRINKLERS IN THE COMBUSTIBLE CONCEALED SPACES (ABOVE THE BAR AREA) IS NOT TO EXCEED 130 SQUARE FEET PER SPRINKLER IN ACCORDANCE WITH NFPA 13, 2007 EDITION FOR ANY LIGHT HAZARD OCCUPANCY; LASTLY, THE EXTENDED COVERAGE PENDENT SPRINKLERS ARE NOT TO EXCEED A MAXIMUM SPACING OF 18' x 18' (324 SQ. FT.) PER SPRINKLER IN ACCORDANCE WITH NFPA #13, 2007 EDITION AND THE MANUFACTURERS LISTING.
- THE MAX. HEAD SPACING OF THE EXTENDED COVERAGE SPRINKLERS IN THE ORDINARY HAZARD AREAS ARE NOT TO EXCEED A 14' x 14' MAX SPACING (196 SQUARE FEET) PER SPRINKLER IN ACCORDANCE W/ NFPA #13, 2007 EDITION & THE MANUFACTURERS LISTING WHILE THE MAXIMUM HEAD SPACING OF THE STANDARD COVERAGE SPRINKLERS ARE NOT TO EXCEED 130 SQUARE FEET PER SPRINKLER IN ACCORDANCE W/ NFPA #13, 2007 EDITION FOR ANY ORDINARY HAZARD OCCUPANCY AND THE MANUFACTURERS LISTING.
- THE "SMALL ROOM RULE" HAS BEEN USED TO SPACE (1) ROW OF HEADS AT A MAXIMUM OF 9'-0" OFF OF ANY (1) WALL IN ACCORDANCE WITH NFPA 13, 2007 EDITION, SECTION 8.6.3.2.4. (TO BE USED IN SELECT LIGHT HAZARD OCCUPANCIES ONLY)
- THE PIPE & FITTINGS TO BE USED ARE AS FOLLOWS:
 - GROOVED PIPING 1-1/2"-4": SCH. 40 BLACK W/ GROOVED COUPLINGS/FITTINGS.
 - THREADED PIPING 1"-2": SCH. 40 BLACK W/ THREADED FITTINGS.
 - NON-STEEL PIPING 1"-2": CPVC PIPE W/ LISTED CPVC FITTINGS
- ALL FIREWALL PENETRATIONS ARE TO BE SEALED IN ACCORDANCE WITH THEIR RATING.
- ALL PIPE DIMENSIONS ARE CENTER TO CENTER.
- ALL PIPE HANGERS INSTALLED PER NFPA 13, 2007 ED. & THE MANUFACTURERS LISTING.
- THE SPRINKLERS LOCATED IN THE CENTER OF THE ACOUSTICAL CEILING TILES WILL BE CENTERED WITHIN THESE TILES THROUGH USE OF A FLEXIBLE HEAD CONNECTION FITTING. HYDRAULIC CALCULATIONS HAVE BEEN PERFORMED TO INCLUDE THE FLEXIBLE HOSE CONNECTION EQUIVALENT OF 1" SCH. 40 PIPING IN ORDER TO QUANTIFY THE USE OF THESE FITTINGS.



SECOND FLOOR FIRE SPRINKLER PIPING PLAN

SCALE 1/8" = 1'-0"

- S.I.N. #RA1425: 1 1/2" (5.6K) 155' QR RELIABLE F1FR HSW BRASS NO ESC. 130 SQ. FT. MAX SPACING PER SPRINKLER
- S.I.N. #RA1413: 1 1/2" (4.2K) 155' QR RELIABLE F1FR PEND WHITE SEMI-REC. 225 SQ. FT. MAX SPACING PER SPRINKLER
- S.I.N. #RA1414: 1 1/2" (5.6K) 155' QR RELIABLE F1FR PEND WHITE SEMI-REC. REFER TO NOTES FOR MAX SPACING PER SPRINKLER
- S.I.N. #RA1425: 1 1/2" (5.6K) 155' QR RELIABLE F1FR UPR. BRASS NO ESC. REFER TO NOTES FOR MAX SPACING PER SPRINKLER



KEY PLAN

SCALE N.T.S.

ait life safety SINGLE SOURCE SOLUTION FIRE ALARM • SPRINKLER • SECURITY

REVISIONS	BY
40% DESIGN DOCUMENTS	SEAN

HOLZMANN BOSS ARCHITECTURE
214 W. 25TH STREET TOWER, 17TH FLOOR
NEW YORK, NEW YORK 10001
HOLZMANNBOSS.COM

ANTHONY L. LEFLORE ARCHITECT
1401 EDGEWATER DRIVE
ORLANDO, FLORIDA 32804
LICENSE NUMBER: AR0004692
TELEPHONE: (407) 425-4620

H.J. HIGH CONSTRUCTION CO.
1015 W. AMELIA STREET
ORLANDO, FLORIDA 32805
TELEPHONE: (407) 422-8171
FAX: (407) 841-4920

ADDITIONS + MODIFICATIONS
ENZIAN THEATER
MAITLAND, FLORIDA

DRAWN	SEAN LOCKYER
CHECKED	N/A
DATE	2-2-14
SCALE	1/8" = 1'-0"
JOB NO.	TBA
SHEET	
FP-3	
OF 3 SHEETS	