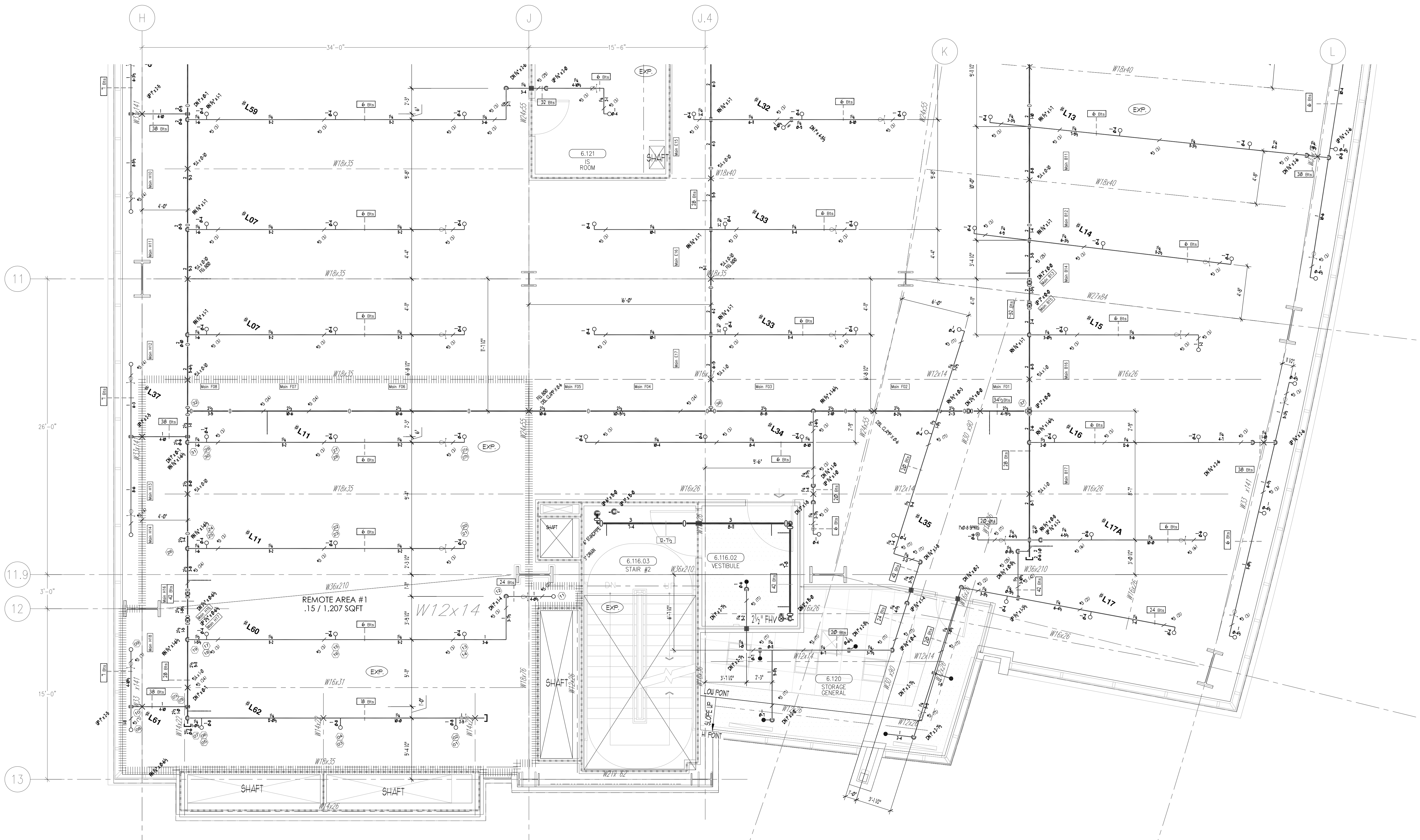




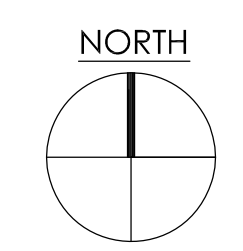
HYDRAULIC DESIGN SYSTEM INFORMATION			
Job Name:	CHOC HOSPITAL	Drawing No:	FP-6.A
Location:	LEVEL 6	Date:	7-15-10
Contract No:	LC-7196	Design:	1.5 gpm/ft for most hydraulically remote, 1.207 sqft
Density:	1.5 gpm/ft	Number of sprinklers in design area:	15
Office size:	1/2"	Office size:	1/2"
Demand:	331.00 GPM @ 112.93 PSI	PRV:	PRV
The above information includes a hose stream allowance of:		GPM:	
Occupancy classification:	ORDINARY HAZARD		

MCCARTHY APPROVAL	
A. Approved as noted for Architectural Review	☐
B. Review and Revisions	☐
C. Rejected	☐
This review is for general conformance with Plans and Specifications only. Any deviations from same not clearly noted by the Preparer have not been reviewed. Review shall not constitute a complete check of detailed dimensions or other details to relieve the Preparer of contractual responsibility for any error or deviation from contract requirements.	
By: <u>McCarthy</u>	Date: _____
SHOP DRAWING REFERENCE NO. _____	

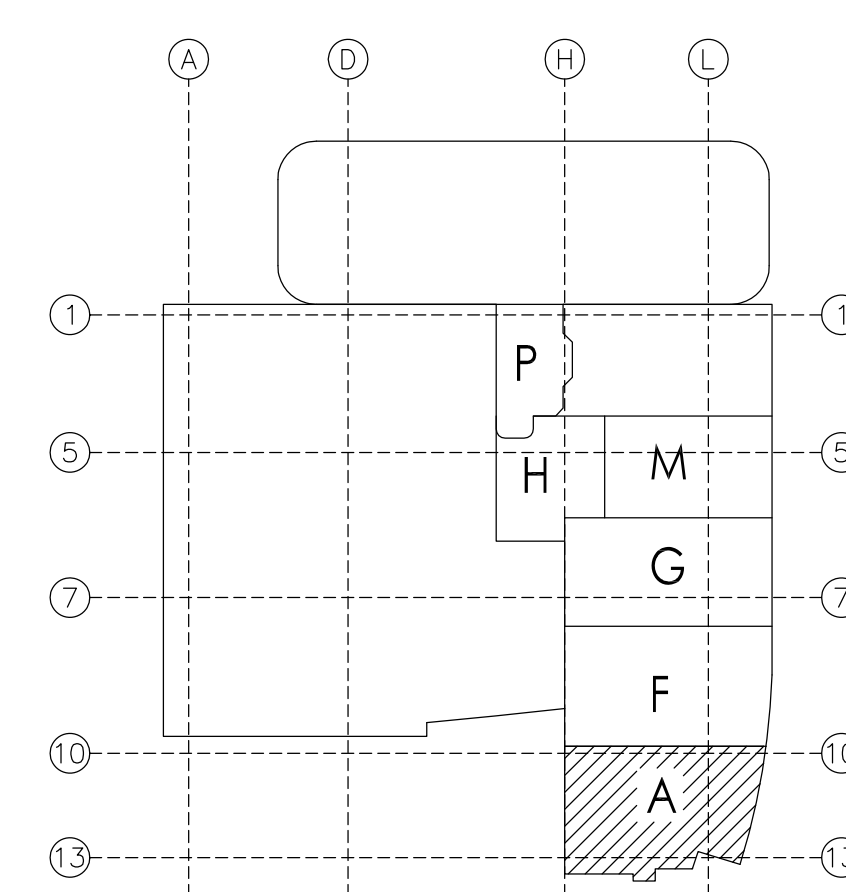
SYMBOL IDENTIFICATION LEGEND	
	LINE RESTRAINT
	FIRE STOPPING THROUGH RATED WALL
	CALCULATION DESIGN AREA
	HYDRAULIC CALCULATION NODE
	CENTERLINE OF PIPE BELOW TOP OF STEEL
	CENTERLINE OF PIPE ABOVE FINISH FLOOR
	CENTERLINE OF PIPE BELOW DECK (SAME AS TOP OF STEEL)
	CENTERLINE OF PIPE ABOVE FINISH FLOOR
	RIGID GROOVED PIPE COUPLING (UNLESS NOTED AS FLEXIBLE)
	PIPE HANGER TO CONCRETE
	PIPE HANGER TO STEEL
	CEILING HEIGHT

CEILING HEIGHT WILL TYPICALLY BE 9'-0", UNLESS OTHERWISE NOTED ON THE PLAN.

AS BUILT DRAWING
7-30-2012
Pat Fisher



LEVEL 06 239.30' = 0'-0"
REFERENCE THIS SHEET



A1 KEY PLAN

OSHPD No.: IL-072072-30 / INCREMENT #7C - DA#16

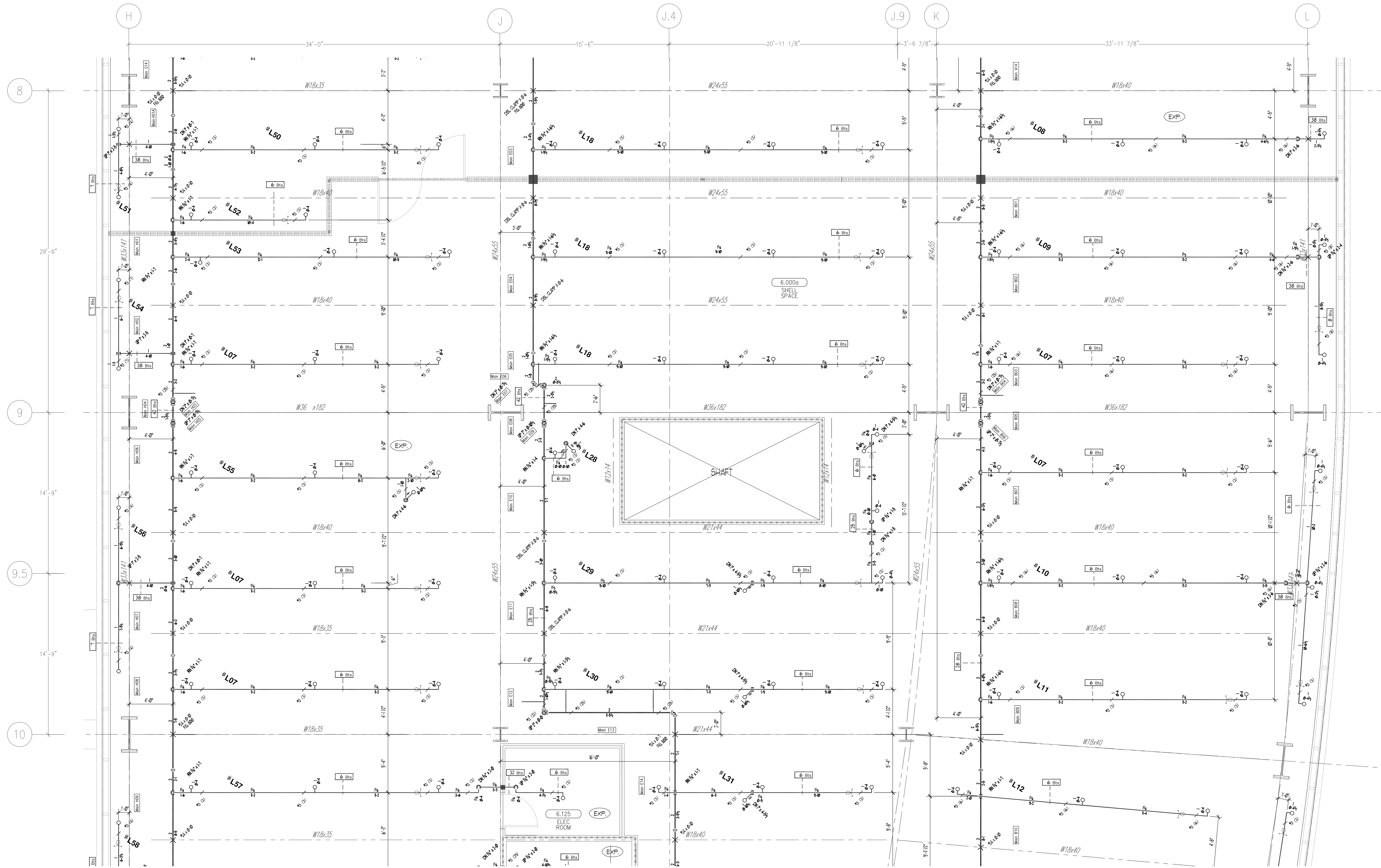
REVISIONS	
NO.	DESCRIPTION
0	OSHPD INCREMENT 7C SUBMITTAL
1	OSHPD BACKCHECK #1
2	OSHPD BACKCHECK #2

SYMBOL	K-CLASS	OFFICE	MT	ACT	HEAD	DATE	QUAN
Wing Midge QR SSP Concealed Pendant	W1642	1/2"	1/2"	5.6	Brass	White	150'
Wing Midge QR Extended Coverage Concealed Pendant	W1644	3/4"	3/4"	8.0	Brass	White	150'
Wing Microdot QR SSP Upright	W1630	1/2"	1/2"	5.6	Brass	200'	
Wing Microdot QR SSP Upright on 1" Sprig	W1630	1/2"	1/2"	5.6	Brass	200'	
Wing Microdot QR SSP Pendant	W1630	1/2"	1/2"	5.6	Brass	200'	
Wing Microdot QR SSP Recessed Sidelight	W1630	1/2"	1/2"	5.6	Brass	200'	
TOTAL SPRINKLERS THIS SHEET							=
APPROVALS BY: CHDPC							

COSCO Fire Protection
FIRE PROTECTION AND LIFE SAFETY SPECIALISTS
LOS ANGELES COUNTY OFFICE
321 East Garfield Avenue
San Jose, CA 95128
Call (408) 933-8211 or (408) 933-8212
SAN JOSE • LOS ANGELES • FRESNO • SAN FRANCISCO • SACRAMENTO • PORTLAND • SEATTLE • ANCHORAGE

PROJECT: CHOC Hospital
255 S. Main St.
Orange, CA 92668
CONTRACT WITH: McCarthy
20401 Southwest Birch St., Suite 300
Newport Beach, CA 92660
DRAWING TITLE: Level 6 - Area A

DATE:	12-1-09
SCALE:	1/4"=1'-0"
DRAWN BY:	P.F.
JOB NO.:	LC-7196
SHEET NO.:	FP-6.A



FOR SYSTEM RISER RECAP SEE SHEET FP-6.M

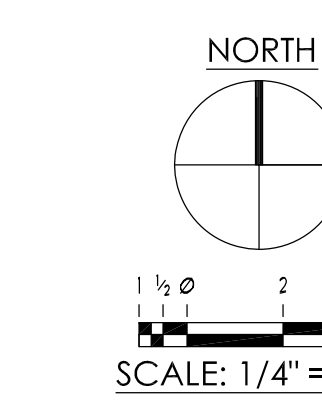
SYMBOL IDENTIFICATION LEGEND

- LINE RESTRAINT
- FIRE STOPPING THROUGH RATED WALL
- CALCULATION DESIGN AREA
- HYDRAULIC CALCULATION NODE
- CENTERLINE OF PIPE BELOW TOP OF STEEL
- CENTERLINE OF PIPE ABOVE FINISH FLOOR
- CENTERLINE OF PIPE BELOW DECK (SAME AS TOP OF STEEL)
- CENTERLINE OF PIPE ABOVE FINISH FLOOR
- RIGID GROOVED PIPE COUPLING (UNLESS NOTED AS FLEXIBLE)
- PIPE HANGER TO CONCRETE
- PIPE HANGER TO STEEL
- CEILING HEIGHT

CEILING HEIGHT WILL TYPICALLY BE 9'-0", UNLESS OTHERWISE NOTED ON THE PLAN.

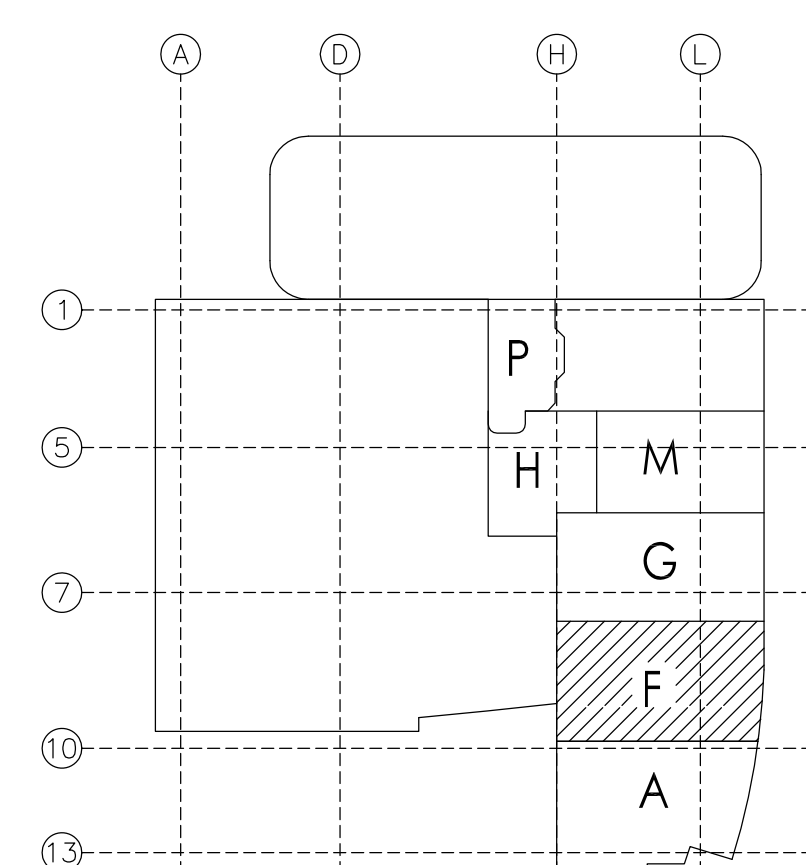
AS BUILT DRAWING

Pat Fisher 7-30-2012



LEVEL 06 239.30' = 0'-0"

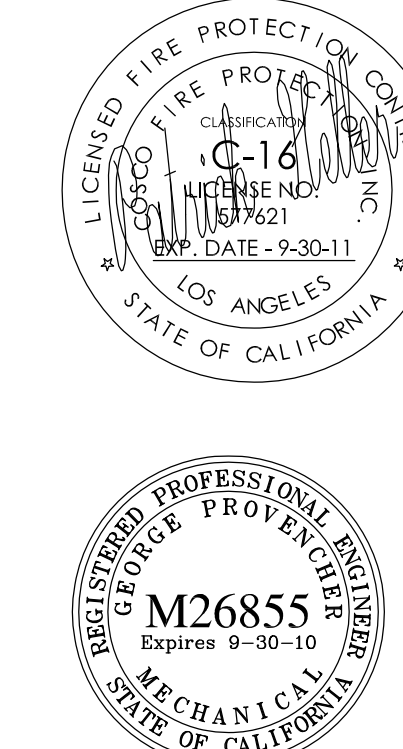
REFERENCE THIS SHEET



KEY PLAN

OSHPD No.: IL-072072-30 / INCREMENT #7C - DA#16

August 24, 2010 10:55:43 a.m. Drawing: J:\LC-7196 CHOC\COSCO\CFP 06.DWG Xrefs: X-plan 6.DWG\X-grid core 6.DWG\X-ext 6.DWG\X-V-A4.6A.DWG\X-shell 6.DWG\X-RCF-6.DWG\420675_S2-7A.DWG\



NO.	DESCRIPTION	DATE	BY
0	OSHPD INCREMENT 7C SUBMITTAL	7-2-09	P.F.
1	OSHPD BACKCHECK #1	3-1-10	P.F.
2	OSHPD BACKCHECK #2	7-15-10	P.F.

SYMBOL	SN	OFFICE	MT	ACT	HEAD	FINISH	WTP	QUAN
Wing Midge QR SSP Concealed Pendant	VI462	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Wing Midge QR Extended Coverage Concealed Pendant	VI64	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Wing Microdot QR SSP Upright	VI300	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Wing Microdot QR SSP Upright on 1" Spig	VI302	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Wing Microdot QR SSP Pendant	VI302	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Wing Microdot QR SSP Recessed Sidelight	VI305	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"

COSCO Fire Protection
Fire Protection and Life Safety Specialists
LOS ANGELES COUNTY OFFICE
 321 East Colorado Boulevard
 Los Angeles, CA 90018
 Tel: (213) 921-1555 Fax: (213) 921-074
 San Diego • Los Angeles • Fresno • San Francisco • Sacramento • Portland • Seattle • Anchorage

CHOC Hospital
 655 S. Main St.
 Orange, CA 92668
McCarthy
 20401 Southwest Birch St., Suite 300
 Newport Beach, CA 92660
Level 6 - Area F

DATE: 12-1-09

SCALE: 1/4"=1'-0"

DRAWN BY: P.F.

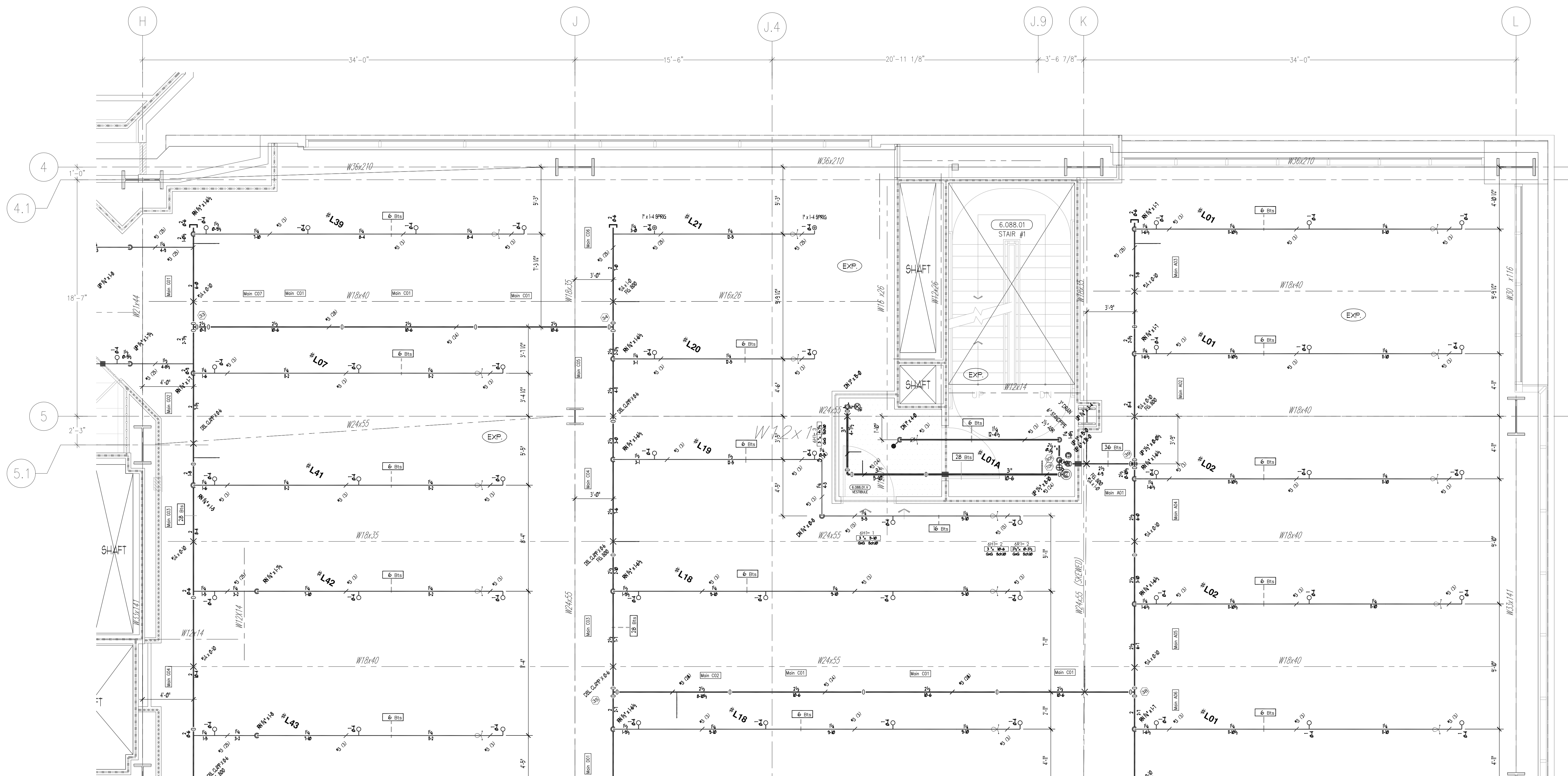
JOB NO. LC-7196

SHEET NO. FP-6.F

2



DATE:	12-1-09	
SCALE:	1/4"=1'-0"	
DRAWN BY:	P.F.	
JOB NO.	LC-7196	
SHEET NO.	FP-6.H	



SYSTEM RISER RECAP

TOTAL SQUARE FOOTAGE
FOR THIS SYSTEM: 28,672

TOTAL HEAD COUNT
FOR THIS SYSTEM: 299

MCCARTHY APPROVAL

A. Approved as noted for Architectural Review ☐

B. Re-view and Re-submit ☐

C. Rejected ☐

This review is for general conformance with Plans and Specifications only. Any deviations from same not clearly noted by the Proprietor have not been reviewed. Reviewer shall not constitute a complete check of detailed dimensions or notes to ensure the Proprietor of contractual responsibility for any error or deviation from contract requirements.

McCarthy

By: _____ Date: _____

SHOP DRAWING REFERENCE NO. _____

SYMBOL IDENTIFICATION LEGEND

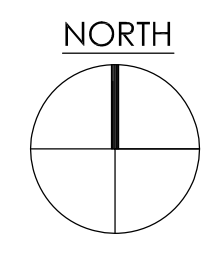
- LINE RESTRAINT
- FIRE STOPPING THROUGH RATED WALL
- CALCULATION DESIGN AREA
- HYDRAULIC CALCULATION NODE
- CENTERLINE OF PIPE BELOW TOP OF STEEL
- CENTERLINE OF PIPE ABOVE FINISH FLOOR
- CENTERLINE OF PIPE BELOW DECK (SAME AS TOP OF STEEL)
- CENTERLINE OF PIPE ABOVE FINISH FLOOR
- RIGID GROOVED PIPE COUPLING (UNLESS NOTED AS FLEXIBLE)
- PIPE HANGER TO CONCRETE
- PIPE HANGER TO STEEL
- CEILING HEIGHT

CEILING HEIGHT WILL TYPICALLY BE 9'-0", UNLESS OTHERWISE NOTED ON THE PLAN.

AS BUILT DRAWING

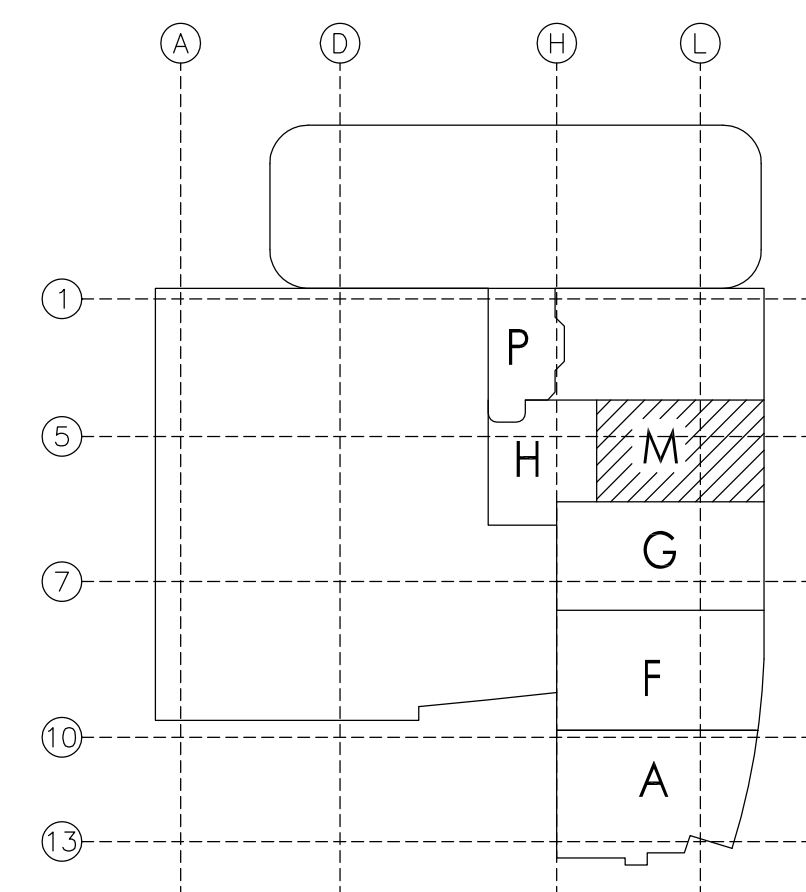
Pat Fisher

7-30-2012



LEVEL 06 239.30' = 0'-0"

REFERENCE THIS SHEET



A1 KEY PLAN

OSHPD No.: IL-072072-30 / INCREMENT #7C - DA#16

August 24, 2010 10:55:43 a.m.

Drawing: J:\LC-7196 CHOC\COSCO\CP 06.DWG

Xrefs: X-plan & DWG\X-grid core & DWG\X-ext1 & DWG\X-A4.6A.DWG\X-shell & DWG\X-RCF & DWG\4206075_S2-7A.DWG\X



NO.	DESCRIPTION	DATE	BY
0	OSHPD INCREMENT 7C SUBMITTAL	7-31-10	P.F.
1	OSHPD BACKCHECK #1	7-15-10	P.F.
2	OSHPD BACKCHECK #2	7-15-10	P.F.

SYMBOL	SN	OFFICE	MT	K-FACT	HEAD	PIPE	FINISH	THW	QUAN
Wing Microdot QR SSP Concealed Pendant	VI462	VI462	1/2"	5.6	Brass	White	150"		
Wing Microdot QR Extended Coverage Concealed Pendant	VI654	VI654	3/4"	8.0	Brass	White	150"		
Wing Microdot QR SSP Upright	VI300	VI300	1/2"	5.6	Brass	200"			
Wing Microdot QR SSP Upright on 1" Sprig	VI302	VI302	1/2"	5.6	Brass	200"			
Wing Microdot QR SSP Pendant	VI302	VI302	1/2"	5.6	Brass	200"			
Wing Microdot QR SSP National Skewall	VI302	VI302	1/2"	5.6	Brass	200"			
TOTAL SPRINKLERS THIS SHEET									299

COSCO Fire Protection

FIRE PROTECTION AND LIFE SAFETY SPECIALISTS

ORANGE COUNTY OFFICE
321 East Coastway Boulevard
West Orange, CA 92686
call (714) 974-7700 ext. 714 974-3451

LOS ANGELES COUNTY OFFICE
11111 Wilshire Blvd., Suite 1111
Los Angeles, CA 90025
call (323) 921-1555 ext. 310 323-074

SAN DIEGO • LOS ANGELES • RENO • SAN FRANCISCO • SACRAMENTO • PORTLAND • SEATTLE • ANCHORAGE

PROJECT: CHOC Hospital
655 S. Main St.
Orange, CA 92668

CONTRACT WITH: McCarthy
20401 Southwest Birch St, Suite 300
Newport Beach, CA 92660

DRAWING TITLE: Level 6 - Area M

DATE: 12-1-09

SCALE: 1/4"=1'-0"

DRAWN BY: P.F.

JOB NO.: LC-7196

SHEET NO.: FP-6.M

2