

**WORKGROUP-2F101**

ITEM	QTY	MODEL NUMBER: OPTIONS	TAG	DESCRIPTION
1	2	21MT.1207	21MT.1207	ROOMSCAPE MATTRESS,36"X80"
2	1	KI62/R.39	KI62/R.39	IMPRESS TASK PEDESTAL BASE,T-ARMS,UPHOLSTERED
3	1	RMLAD	RMLAD	ROOMSCAPE LADDER
4	3	S13524418	*S7L24615HWR	SPECIAL 75F WARDROBE CABINET W/RIGHT DOOR-24WX24DX65-9/32"H
5	1	S13528286	*RMHWS	SPECIAL FINISH ROOMSCAPE HANG-ON WORKSURFACE, 38" W X 24" D
6	1	S13528287	*RMBBA-PBD	SPECIAL FINISH ROOMSCAPE BUNK BED ASSY, 38-7/8" W X 86" LX78-3"

**WORKGROUP-2F102**

ITEM	QTY	MODEL NUMBER: OPTIONS	TAG	DESCRIPTION
1	2	21MT.1207	21MT.1207	ROOMSCAPE MATTRESS,36"X80"
2	1	KI62/R.39	KI62/R.39	IMPRESS TASK PEDESTAL BASE,T-ARMS,UPHOLSTERED
3	1	RMLAD	RMLAD	ROOMSCAPE LADDER
4	3	S13524418	*S7L24615HWR	SPECIAL 75F WARDROBE CABINET W/RIGHT DOOR-24WX24DX65-9/32"H
5	1	S13528286	*RMHWS	SPECIAL FINISH ROOMSCAPE HANG-ON WORKSURFACE, 38" W X 24" D
6	1	S13528287	*RMBBA-PBD	SPECIAL FINISH ROOMSCAPE BUNK BED ASSY, 38-7/8" W X 86" LX78-3"

**WORKGROUP-2F103**

ITEM	QTY	MODEL NUMBER: OPTIONS	TAG	DESCRIPTION
1	2	21MT.1207	21MT.1207	ROOMSCAPE MATTRESS,36"X80"
2	1	KI62/R.39	KI62/R.39	IMPRESS TASK PEDESTAL BASE,T-ARMS,UPHOLSTERED
3	1	RMLAD	RMLAD	ROOMSCAPE LADDER
4	3	S13524418	*S7L24615HWR	SPECIAL 75F WARDROBE CABINET W/RIGHT DOOR-24WX24DX65-9/32"H
5	1	S13528286	*RMHWS	SPECIAL FINISH ROOMSCAPE HANG-ON WORKSURFACE, 38" W X 24" D
6	1	S13528287	*RMBBA-PBD	SPECIAL FINISH ROOMSCAPE BUNK BED ASSY, 38-7/8" W X 86" LX78-3"

**WORKGROUP-2F104**

ITEM	QTY	MODEL NUMBER: OPTIONS	TAG	DESCRIPTION
1	2	21MT.1207	21MT.1207	ROOMSCAPE MATTRESS,36"X80"
2	1	KI62/R.39	KI62/R.39	IMPRESS TASK PEDESTAL BASE,T-ARMS,UPHOLSTERED
3	1	RMLAD	RMLAD	ROOMSCAPE LADDER
4	3	S13524418	*S7L24615HWR	SPECIAL 75F WARDROBE CABINET W/RIGHT DOOR-24WX24DX65-9/32"H
5	1	S13528286	*RMHWS	SPECIAL FINISH ROOMSCAPE HANG-ON WORKSURFACE, 38" W X 24" D
6	1	S13528287	*RMBBA-PBD	SPECIAL FINISH ROOMSCAPE BUNK BED ASSY, 38-7/8" W X 86" LX78-3"

**WORKGROUP-2F105**

ITEM	QTY	MODEL NUMBER: OPTIONS	TAG	DESCRIPTION
1	2	21MT.1207	21MT.1207	ROOMSCAPE MATTRESS,36"X80"
2	1	KI62/R.39	KI62/R.39	IMPRESS TASK PEDESTAL BASE,T-ARMS,UPHOLSTERED
3	1	RMLAD	RMLAD	ROOMSCAPE LADDER
4	3	S13524418	*S7L24615HWR	SPECIAL 75F WARDROBE CABINET W/RIGHT DOOR-24WX24DX65-9/32"H
5	1	S13528286	*RMHWS	SPECIAL FINISH ROOMSCAPE HANG-ON WORKSURFACE, 38" W X 24" D
6	1	S13528287	*RMBBA-PBD	SPECIAL FINISH ROOMSCAPE BUNK BED ASSY, 38-7/8" W X 86" LX78-3"

**WORKGROUP-2F106**

ITEM	QTY	MODEL NUMBER: OPTIONS	TAG	DESCRIPTION
1	2	21MT.1207	21MT.1207	ROOMSCAPE MATTRESS,36"X80"
2	1	KI62/R.39	KI62/R.39	IMPRESS TASK PEDESTAL BASE,T-ARMS,UPHOLSTERED
3	1	RMLAD	RMLAD	ROOMSCAPE LADDER
4	3	S13524418	*S7L24615HWR	SPECIAL 75F WARDROBE CABINET W/RIGHT DOOR-24WX24DX65-9/32"H
5	1	S13528286	*RMHWS	SPECIAL FINISH ROOMSCAPE HANG-ON WORKSURFACE, 38" W X 24" D
6	1	S13528287	*RMBBA-PBD	SPECIAL FINISH ROOMSCAPE BUNK BED ASSY, 38-7/8" W X 86" LX78-3"

**WORKGROUP-2F109**

ITEM	QTY	MODEL NUMBER: OPTIONS	TAG	DESCRIPTION
1	3	AH353629P74P	SSNAP	ATHENS SQUARE TBL,3"COL,22" BASE,POWDER COAT,74P,29"H,36X36"
2	10	SSNAP	SSNAP	STRIVE SLED BASE ARMLESS CHAIR,POLY

**WORKGROUP-2F110**

ITEM	QTY	MODEL NUMBER: OPTIONS	TAG	DESCRIPTION
1	1	7D/B2442-74P-P-NG	BR244274PP	700 SERIES DESK,BRIDGE,PARTIAL MODESTY PANEL,74P EDGE,24X42"W
2	1	7D/D2472-74P-P-NG	D247274PP	700 SERIES DESK,PARTIAL MODESTY PANEL,74P EDGE,24X72"W
3	1	7D/D3072-74P-F-NG	D307274PP	700 SERIES DESK,FULL MODESTY PANEL,74P EDGE,30X72"W
4	1	KI62/R.39	KI62/R.39	IMPRESS TASK PEDESTAL BASE,T-ARMS,UPHOLSTERED
5	2	RAPWAUS	RAPWAUS	RAPTURE FOUR-LEG ARMCHAIR,UPH SEAT/POLY BACK
6	2	S7L/36615HD	736615HD	700 SERIES FILES CABINET-3 SHELVES-36WX18DX65-9/32"H
7	1	S7P/1534WBF	7WBF	700 SERIES FILES SUPPORTING PED-BOX/BOX,FILE-24" NOMINAL DEPTH
8	1	S7P/1530WFF	7WFF	700 SERIES FILES SUPPORTING PED-FILE/FILE-30" NOMINAL DEPTH

**WORKGROUP-2F118**

ITEM	QTY	MODEL NUMBER: OPTIONS	TAG	DESCRIPTION
1	2	5512	5512	FLEX RECTANGULAR END TABLE,LAMINATE TOP,23X19.5",18"H
2	2	5623/NC	5623/NC	JESSA LOUNGE CHAIR,NC-CONTRAST
3	1	5643/NC	5643/NC	JESSA SOFA,NC-CONTRAST
4	2	5723/FC	5723/FC	TEA CUP LOUNGE CHAIR W/UPHOLSTERED ARMS,CONTRAST
5	1	6509	6509	DEVON RECTANGULAR COFFEE TABLE,20X40X17"
6	1	S13528358	*736300HD	SPECIAL 700 SERIES CABINET-1 SHELF-36X18X 33 1/8" W VENTE
7	1	S7L/361874P	FT361874P	700 SERIES FILES FILE TOP 18X36 74P EDGE FOR SIDE BY SIDE UNITS
8	6	SPDNAP	SPDNAP	STRIVE TASK ARMLESS CHAIR,POLY

**WORKGROUP-FILES-FIRED DEPT.**

ITEM	QTY	MODEL NUMBER: OPTIONS	TAG	DESCRIPTION
1	2	S13528342	*7366155M	SPECIAL DUAL FINISHES 700 SERIES FILES CABINET 1 SHELF, 36 X
2	7	S13528343	*7366155M	SPECIAL DUAL FINISHES 700 SERIES FILES MULTIMEDIA CUPB/LATER
3	1	S13528344	*7WBF	SPECIAL DUAL FINISHES 700 SERIES FILES SUPPORTING PED- FILE/
4	1	S13528347	*7WFF	SPECIAL DUAL FINISHES 700 SERIES FILES SUPPORTING PED- FILE/
5	1	S7L/1081874P	FT1081874P	700 SERIES FILES FILE TOP 18X108 74P EDGE FOR SIDE BY SIDE UNITS
6	1	S7L/661874P	FT661874P	700 SERIES FILES FILE TOP 18X66 74P EDGE FOR SIDE BY SIDE UNITS
7	1	S7L/841874P	FT841874P	700 SERIES FILES FILE TOP 18X84 74P EDGE FOR SIDE BY SIDE UNITS

**CODE REQUIREMENTS**  
 Compliance with the required local and national building and safety codes is the sole responsibility of the Owner/Architect/Contractor. Unless otherwise noted, these shop drawings are loosely based on code requirements for assembly seating as found in BOCA and the Life Safety Code. Code information above is offered for informational purposes only and strictly as a courtesy to the Owner/Architect/Contractor. This is in no way an assumption of duty on the part of KI relative to code interpretation and compliance. KI personnel are not trained for, nor are they experts at code compliance or interpretation.

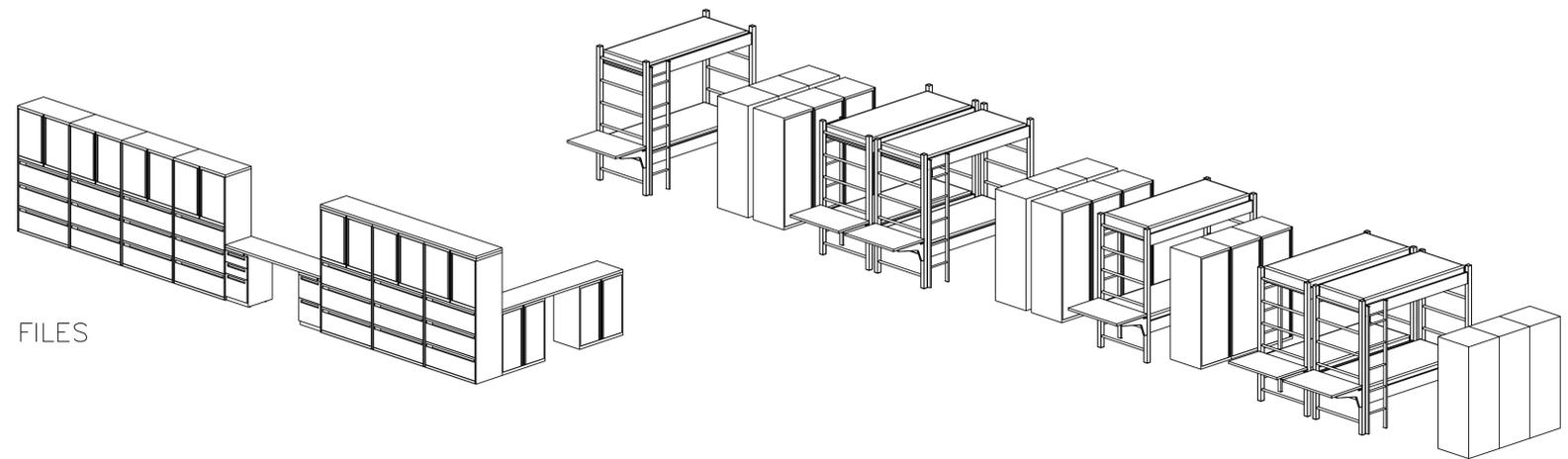
**FIELD VERIFICATION**  
 These shop drawings incorporate building information compiled from various sources associated with this project and deemed as reliable. Conditions directly affecting the product or its installation must be field verified.

**DRAWING REVIEW**  
 These shop drawings are produced to assure compliance with the contract. As such, these drawings must be reviewed by the Owner/Architect/Contractor, or other appropriate representative. If drawings are correct, mark the appropriate box below. If incorrect, note corrections to be made and return to KI for corrections. Any deviations from the contract included in these shop drawings must be approved in writing from the Owner/Architect/Contractor.

Authorized signature indicates review of these shop drawings. Below signature print name, title, company or affiliation, and date. Manufacture of product shown is not scheduled until drawing review is complete and authorized signature is received.

APPROVED AS NOTED  
 REVISE AND RESUBMIT

SIGNATURE \_\_\_\_\_ KI REP INITIALS \_\_\_\_\_  
 PRINT \_\_\_\_\_ DATE \_\_\_\_\_



\* PRELIMINARY PLAN \*  
 NOT FOR CONSTRUCTION

**KI**  
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**PROJECT TITLE:**  
 CITY OF KEY WEST  
 FIRE STATION#2-R2

**FLOOR/AREA:**

**PRODUCT LINE:**  
 700 Series Files  
 700 Series Desk  
 Loose Seating  
 RoomScope

**REPRESENTATIVE:**  
 RUSSELL

**DEALER:**

**ORDER NUMBER:**

**DATE:**  
 11/08/2012

NO.	DATE	BY	DESCRIPTION
1	01/10/2013	JLM	ADDED SPECIAL 24" CABINETS
2	02/11/2013	JLM	CHANGE TO BUNK BEDS/JESSA
3	02/13/2013	FDA	ADD SPECIALS

**CSR AUDIT**

NO.	DATE	BY
1	11/12/2012	KH
2	02/13/2013	KB

**DRAWN BY:** ALM **SCALE:** 1/4" = 1'-0"

**DRAWING No.:**  
 D155805\_00\_00\_L01\_L0

**SHEET:** Floor Plan  
 1 of 1.D. 3



Seal:

James T. Lange, P.E.  
Reg # 62894  
TKW Job # 12164.00  
2/15/2013 11:47:33 AM

Consultants:  
**STRUCTURAL ENGINEER:**  
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**CIVIL ENGINEER:**  
Perez Engineering & Development, Inc.  
1010 Kennedy Cir., Suite 201  
Key West, Florida 33040  
**MEP / FP ENGINEER:**  
TTC Engineering for Architecture  
1400 Colonial Boulevard, Suite 203  
Fort Myers, Florida 33907  
**LANDSCAPE ARCHITECT:**  
Landscape Architecture, LLC  
2525 Porco de Leon Blvd., Suite 300  
Coral Gables, Florida 33134.

Submissions:

2013.02.15 - Bidding Documents

FIRE STATION #2

616 Simington Street, Key West, Florida  
**BUILDING AND SITE DEVELOPMENT**  
FOR  
City of Key West, 3132 Flagler Avenue, Key West, Florida 33040

Drawing Size: Project #:  
24x36 MK-12060  
Drawn By: Checked By:  
LAG JTL

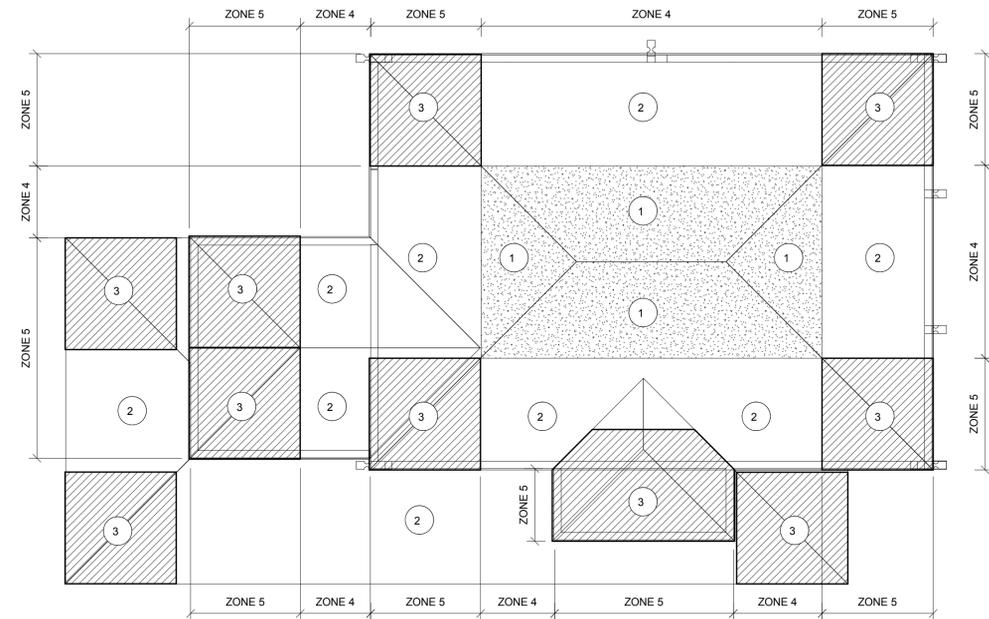
Title:  
PLAN NOTES  
AND  
SCHEDULES

Sheet Number:

**S1.1.2**

Date: February 15, 2013

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**COMPONENTS AND CLADDING WIND PRESSURE DIAGRAM**

**COMPONENTS AND CLADDING  
Vasd - DESIGN WIND PRESSURE (PSF)**

ZONE	TRIBUTARY AREA			
	10 FT*2	20 FT*2	50 FT*2	100 FT*2
INTERIOR (1)	+42/-66	+38/-64	+33/-62	+30/-60
EDGE OVERHANG (2)	+42/-115	+38/-106	+33/-93	+30/-84
CORNER OVERHANG (3)	+42/-115	+38/-106	+33/-93	+30/-84
WALL				
INTERIOR (4)	+72/-78	+69/-75	+65/-71	+61/-67
CORNER (5)	+72/-97	+69/-90	+65/-81	+61/-75

- 1. GENERAL UPLIFT ZONE
- 2. EDGE UPLIFT ZONE
- 3. CORNER UPLIFT ZONE
- 4. TYPICAL WALL
- 5. WALL AT CORNER

NOTES:

1. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.
2. EDGE DISTANCE = 14'-0".
3. ZONE 2 PRESSURES ARE USED AT ZONE 3 BECAUSE THE HIP ROOF IS LESS THAN 25 DEGREES.

**AUGERCAST PILE PLAN NOTES:**

1. INDICATES AUGERCAST PILES - 16-INCH DIAMETER DRILLED CAST-IN-PLACE ROCK ANCHORS INSTALLED A MINIMUM OF 3'-0" INTO THE NATURAL LIMESTONE STRATUM (SEE SOILS REPORT). REINFORCE AUGERCAST PILES WITH FOUR #5 VERTICAL REBAR EXTENDING UP INTO THE FOOTING ABOVE A MINIMUM OF 1'-6". SEE TYPICAL DETAILS THIS SHEET.
2. LOCATE AUGERCAST PILES ON COLUMN CENTERLINES, WALL CENTERLINES, OR AS SHOWN. SPACE AUGERCAST PILES EQUALLY BETWEEN SPECIFIED LOCATIONS AT 10'-0" ON-CENTER MAXIMUM.
3. FOR FOUNDATION LOCATIONS AND ELEVATIONS SEE FOUNDATION PLANS. FOR FOUNDATION SIZES AND REINFORCING SEE FOUNDATION SCHEDULES THIS SHEET.

**FOUNDATION PLAN NOTES:**

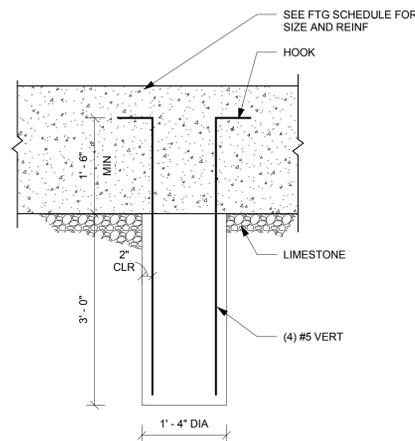
1. FOR TYPICAL DETAILS SEE SHEET S3.3.1, S3.3.2, AND S3.3.6
2. X'-X" INDICATES TOP OF SLAB ELEVATION.
3. SEE SHEET S1.1.1 FOR GENERAL STRUCTURAL NOTES.
4. SEE ARCHITECTURAL DRAWINGS FOR SLOPES, DROPS, AND DRAIN LOCATION IN FLOOR SLABS. SEE CIVIL FOR PARKING GARAGE.
5. VERIFY/COORDINATE LOCATION OF UNDERGROUND PIPING WITH FOUNDATION.
6. VERIFY/COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DIMENSIONAL INFORMATION.
7. VERIFY/COORDINATE EDGE OF SLAB DETAILS AT EXTERIOR DOORS WITH ARCHITECTURAL DRAWINGS.
8. VERIFY/COORDINATE SILL HEIGHTS AND DETAILS OF WALL OPENINGS WITH ARCHITECTURAL DRAWINGS.
9. "FX" INDICATES FOOTING TYPE, SEE SCHEDULE THIS SHEET.
10. (X'-X") INDICATES TOP OF FOOTING ELEVATION. TYPICAL ELEVATION UNO.
11. INDICATES PRECAST PANELS.
12. INDICATES STEP IN SLAB.
13. 4" SOG INDICATES 4" THICK CONC SLAB ON GRADE WITH 6x6-W2.1xW2.1 WWF (CENTERED) AND 10 MIL POLY VAPOR BARRIER OVER TERMITRE TREATED SOIL.
14. 8" SOG INDICATES 8" THICK CONC SLAB ON GRADE WITH #4 @ 12" O.C. EA. WAY T&B AND 10 MIL POLY VAPOR BARRIER OVER TERMITRE TREATED SOIL.
15. INDICATES LOAD BEARING 8" CMU WALL.
16. INDICATES NON-LOAD BEARING CMU WALL.
17. INDICATES LOUVERED FENCE ENCLOSURE.
18. PRECAST MANUFACTURE TO SUPPLY ALL EMBED PLATES AND HARDWARE FOR FOUNDATION CONNECTION.
19. CONTRACTOR TO COORDINATE AND INSTALL ALL EMBED PLATES AND ANCHOR BOLTS IN FOUNDATIONS.
20. FOUNDATION CONSTRUCTION SHALL NOT COMMENCE UNTIL PRECAST SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED BY ENGINEER OF RECORD.

**FRAMING PLAN NOTES:**

1. FOR TYPICAL DETAILS SEE SHEETS S3.3.2, S3.3.3, S3.3.4, S3.3.5 AND S3.3.6.
2. SEE SHEET S1.1.1 FOR GENERAL STRUCTURAL NOTES.
3. SEE ARCHITECTURAL DRAWINGS FOR SLOPES, DROPS, AND DRAIN LOCATION IN FLOOR PLANS.
4. VERIFY/COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DIMENSIONAL INFORMATION.
5. VERIFY/COORDINATE EDGE OF SLAB DETAILS AT EXTERIOR DOORS WITH ARCHITECTURAL DRAWINGS.
6. VERIFY/COORDINATE SILL HEIGHTS AND DETAILS OF WALL OPENINGS WITH ARCHITECTURAL DRAWINGS.
7. INDICATES STEP IN SLAB ELEVATION.
8. SEE MECHANICAL DRAWINGS FOR SLAB OPENINGS AND SLEEVES NOT SHOWN.
9. INDICATES SPAN DIRECTION OF 8" PRECAST HOLLOW CORE PLANK WITH 3" CONCRETE TOPPING. COORDINATE SLAB DEPRESSIONS WITH ARCHITECT FLOOR FINISHES (TOTAL DEPTH 11").
10. INDICATES SPAN DIRECTION OF 24" PRECAST DOUBLE TEES WITH 3" STRUCTURAL CONCRETE TOPPING. COORDINATE SLAB DEPRESSIONS WITH ARCHITECT FLOOR FINISHES.
11. INDICATES SPAN DIRECTION OF 8" PRECAST SOLID PLANK WITH NO STRUCTURAL CONCRETE TOPPING.
12. STRUCTURAL TOPPING ON PRECAST MEMBERS SHALL BE 4KSI CONCRETE REINFORCED WITH 6x6-W2.1xW2.1 WWF. HOLLOW CORE PLANK KEYWAYS SHALL BE GROUDED BY PRECAST SUPPLIER PRIOR TO POURING ANY CONCRETE TOPPING.
13. PENETRATIONS LESS THAN 4" IN DIAMETER MAY BE FIELD LOCATED AND DRILLED THRU THE HOLLOW CORE PLANK IF COORDINATED WITH THE PLANK CORES SO THAT PRESTRESS TENDONS ARE NOT SEVERED OR DAMAGED. ALL OTHER PENETRATIONS SHALL BE COORDINATED WITH THE PRECAST MFR SO THAT ANY LOSS OF PRESTRESS TENDONS ARE DESIGNED AND DETAILED ADEQUATELY.
14. MECHANICAL PENETRATIONS SIZE AND LOCATION THRU THE HOLLOW CORE PLANK SHALL BE COORDINATED BY THE GENERAL CONTRACTOR WITH TRUSS AND PRECAST SHOP DRAWINGS.

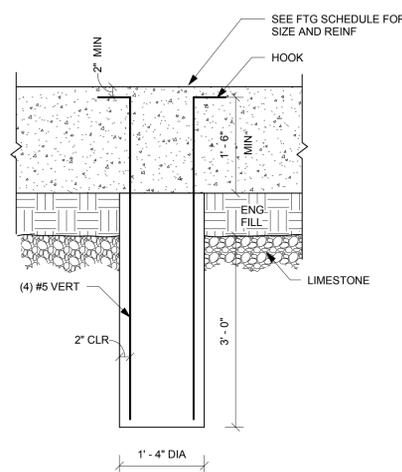
**ROOF FRAMING PLAN NOTES:**

1. FOR TYPICAL DETAILS SEE SHEETS S3.3.2, S3.3.3, S3.3.4, S3.3.5 AND S3.3.6.
2. SEE SHEET S1.1.1 FOR GENERAL STRUCTURAL NOTES.
3. PRE ENGINEERED METAL TRUSSES SHALL BE AT 4'-0" OC (MAX) WITH 18GA (MIN) TOP CHORD.
4. PRE-ENGINEERED TRUSS MANUFACTURER SHALL PROVIDE ALL OF THE CONNECTION HARDWARE AND ENGINEERING. EMBED PLATES REQUIRED FOR TRUSS HOLD DOWN CONNECTIONS SHALL BE COORDINATED W/ PRE CAST MANUFACTURER.
5. T.G. INDICATES PRE ENGINEERED METAL TRUSS GIRDER.
6. INDICATES ROOF SLOPE.
7. INDICATES SPAN DIRECTION OF 1 1/2", 20 GA TYPE 'B' ROOF DECK. ATTACH METAL DECK TO PRE ENGINEERED METAL TRUSSES WITH #12 SCREWS IN A 36/14 PATTERN (2 SCREWS PER FLUTE). ATTACH METAL DECK TO HIP, VALLEY, RIDGE, AND PERIMETER BENT PLATES WITH #12 SCREWS @ 6" OC. SIDELAP FASTENERS SHALL BE #12 SCREWS AT 6" OC (6 PER SPAN).



**FOUNDATION ON LIMESTONE STRATUM**

1  
3/4" = 1'-0"



**FOUNDATION ON STRUCTURAL FILL OR NATIVE SOILS**

2  
3/4" = 1'-0"

**CAST-IN-PLACE CONCRETE REINFORCING  
BAR LAP SPLICE SCHEDULE**

BAR SIZE Fy= 60 ksi	TENSION BARS				COMPRESSION BARS
	3000 PSI	4000 PSI	5000 PSI	6000 PSI	ALL STRENGTHS
#4	29"	25"	22"	21"	15"
#5	36"	31"	28"	26"	19"
#6	43"	37"	33"	31"	23"
#7	63"	54"	49"	45"	27"
#8	72"	62"	55"	51"	30"
#9	81"	70"	63"	57"	34"
#10	91"	79"	70"	64"	39"
#11	101"	87"	78"	71"	43"

NOTE:  
FOR TOP BARS, LAP LENGTHS SHALL BE MULTIPLIED BY 1.3. TOP BARS ARE HORIZONTAL BARS WITH 12" OR MORE OF FRESH CONCRETE CAST IN THE MEMBER BELOW THE REINFORCING BAR.

COLUMN FOUNDATION SCHEDULE					
TYPE MARK	WIDTH	LENGTH	DEPTH	REINFORCING	Comments
F40	4'-0"	4'-0"	1'-8"	(5) #6 EA WAY (BOT)	
F50	5'-0"	5'-0"	1'-8"	(5) #6 EA WAY (BOT)	
F60	6'-0"	6'-0"	1'-8"	(6) #6 EA WAY (BOT)	
F70	7'-0"	7'-0"	1'-8"	(6) #7 EA WAY (BOT)	
F80	8'-0"	8'-0"	2'-0"	(7) #7 EA WAY (BOT)	

WALL FOUNDATION SCHEDULE			
TYPE MARK	WIDTH	DEPTH	REINFORCING
F20W	2'-0"	1'-8"	
F22W	2'-2"	1'-8"	(3) #5 CONT & #5 @ 24" OC SHORT WAY (BOT)
F26W	2'-6"	1'-8"	(4) #5 CONT & #5 @ 12" OC SHORT WAY (BOT)
F30W	3'-0"	1'-8"	(4) #5 CONT & #5 @ 12" OC SHORT WAY (BOT)
F50W	5'-0"	1'-8"	(5) #6 CONT & #6 @ 12" OC SHORT WAY (BOT)
F60W	6'-0"	1'-8"	(6) #6 CONT & #6 @ 12" OC SHORT WAY (BOT)

Seal:

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Submissions:

2013.02.15 - Bidding Documents

FIRE STATION #2

616 Simington Street, Key West, Florida



Drawing Size  
24x36

Drawn By:  
LAG

Title:

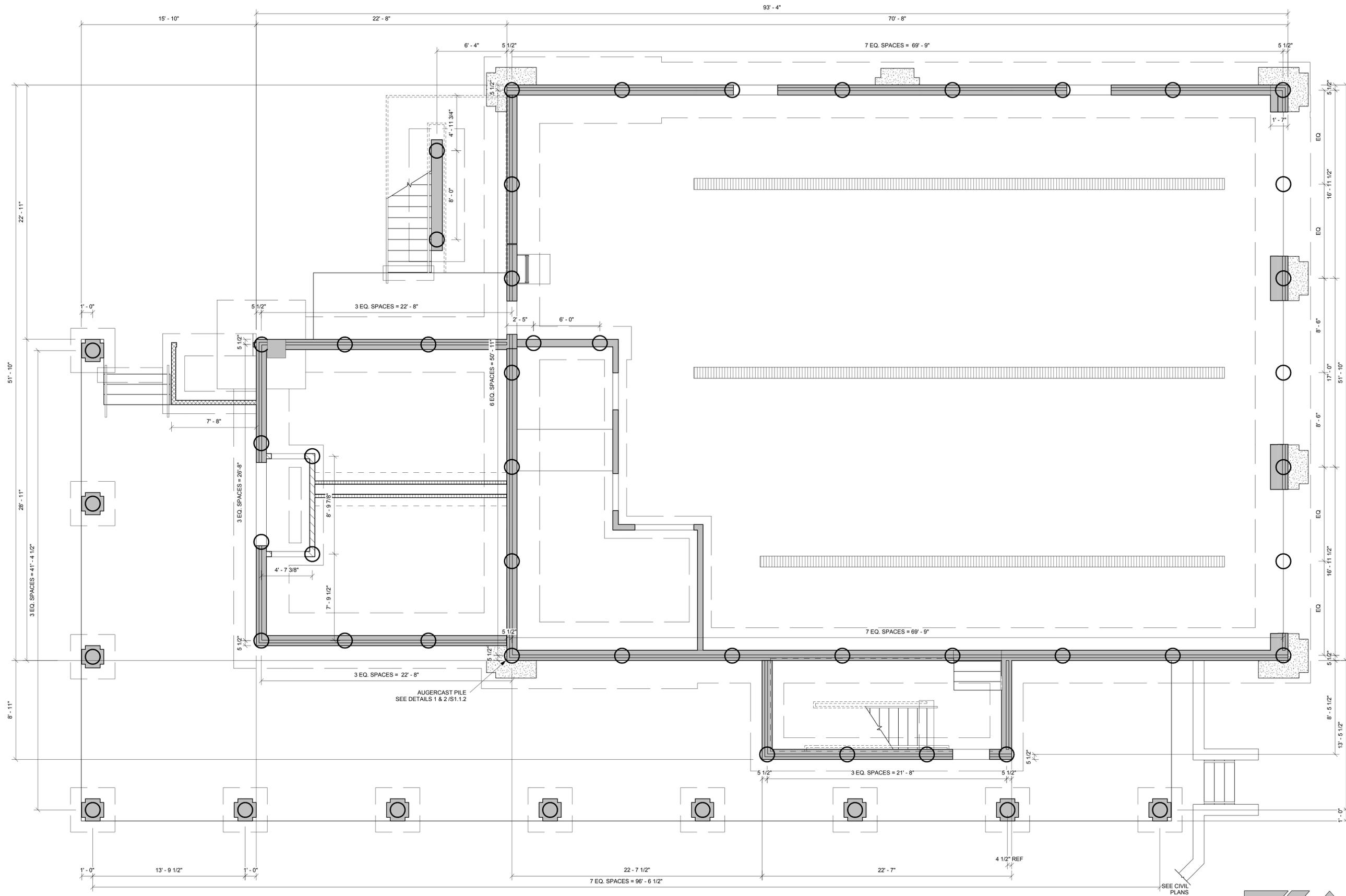
AUGERCAST  
PILE PLAN

Sheet Number:

S2.2.0

Date: February 15, 2013

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AUGERCAST PILE PLAN

1/4" = 1'-0"

FOR AUGERCAST PILE PLAN  
NOTES SEE SHEET S1.1.2



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E-MAIL: info@tkwonline.com  
Engineering Certification # 5762  
Survey LB # 734

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Reg # 62894  
TKW Job # 12164.00  
2/15/2013 11:47:34 AM

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LANDSCAPE ARCHITECT:  
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Coral Gables, Florida 33134

Submissions:

2013.02.15 - Bidding Documents

**FIRE STATION #2**  
616 Simington Street, Key West, Florida  
**BUILDING AND SITE DEVELOPMENT**  
FOR  
City of Key West, 3132 Flagler Avenue, Key West, Florida 33040

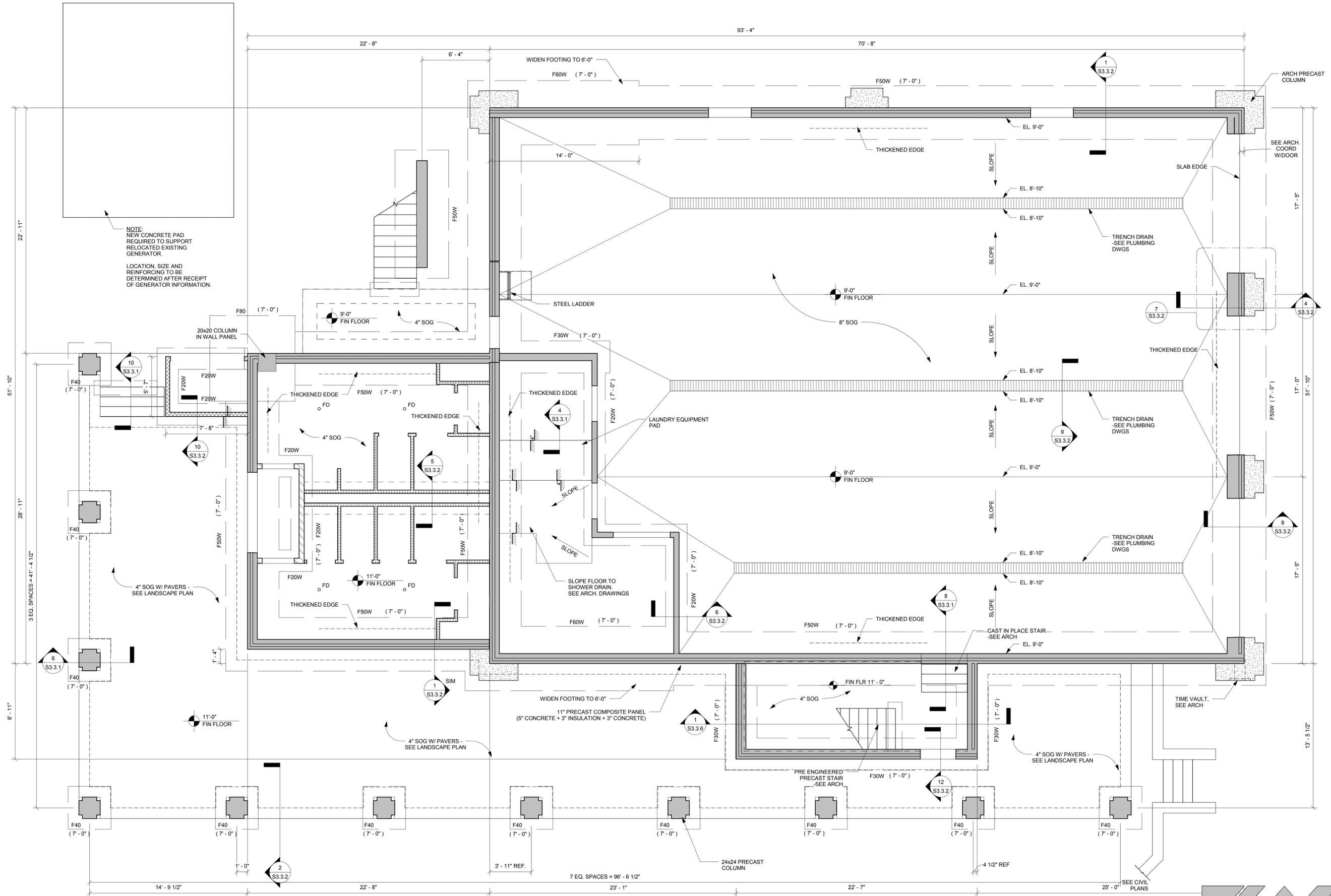
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Checked By: JTL

Title:  
FOUNDATION PLAN

Sheet Number:

**S2.2.1**

Date: February 15, 2013  
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**FOUNDATION PLAN**

1/4" = 1'-0" FOR FOUNDATION PLAN  
NOTES SEE SHEET S1.1.2

**TKW**  
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E-MAIL: info@tkwonline.com  
Engineering Certification # 5762  
Survey LB # 734

Seal:

James T. Lange, P.E.  
Reg # 62894  
TKW Job # 12164.00  
2/15/2013 11:47:34 AM

Consultants:

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TKW Consulting Engineers  
5621 Banner Drive,  
Fort Myers, Florida 33912

**CIVIL ENGINEER:**  
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Key West, Florida 33040

**MEP / PE ENGINEER:**  
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1400 Colonial Boulevard, Suite 203  
Fort Myers, Florida 33907

**LANDSCAPE ARCHITECT:**  
Landscape Architecture, LLC  
2525 Ponce de Leon Blvd., Suite 300  
Coral Gables, Florida 33134

Submissions:

2013.02.15 - Bidding Documents

FIRE STATION #2

616 Simonton Street, Key West, Florida

BUILDING AND SITE DEVELOPMENT  
FOR  
City of Key West, 3132 Flagler Avenue, Key West, Florida 33040

Drawing Size: 24x36  
Project #: MK-12060  
Drawn By: LAG  
Checked By: JTL

Title:

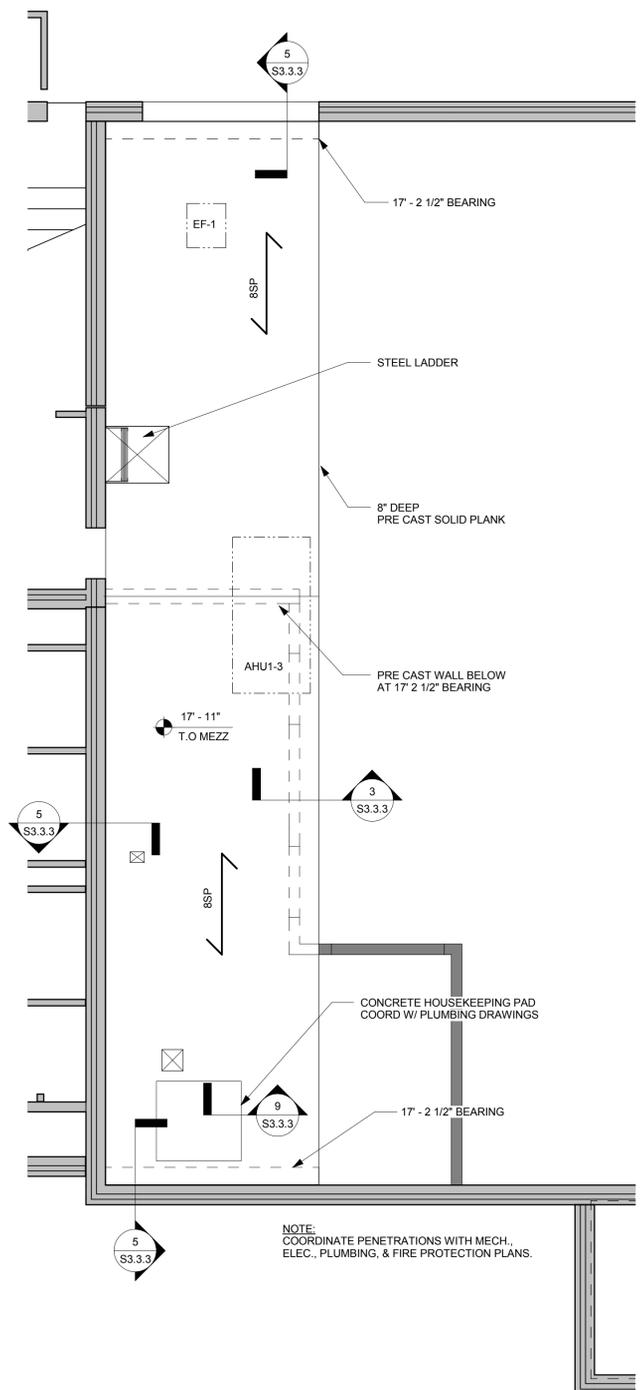
MEZZANINE  
FRAMING PLAN

Sheet Number:

S2.2.2

Date: February 15, 2013

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NOTE:  
COORDINATE PENETRATIONS WITH MECH.,  
ELEC., PLUMBING, & FIRE PROTECTION PLANS.

MEZZANINE FRAMING PLAN

1/4" = 1'-0"

**TKW**  
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616 Simington Street, Key West, Florida  
**BUILDING AND SITE DEVELOPMENT**  
FOR  
City of Key West, 3132 Flagler Avenue, Key West, Florida 33040

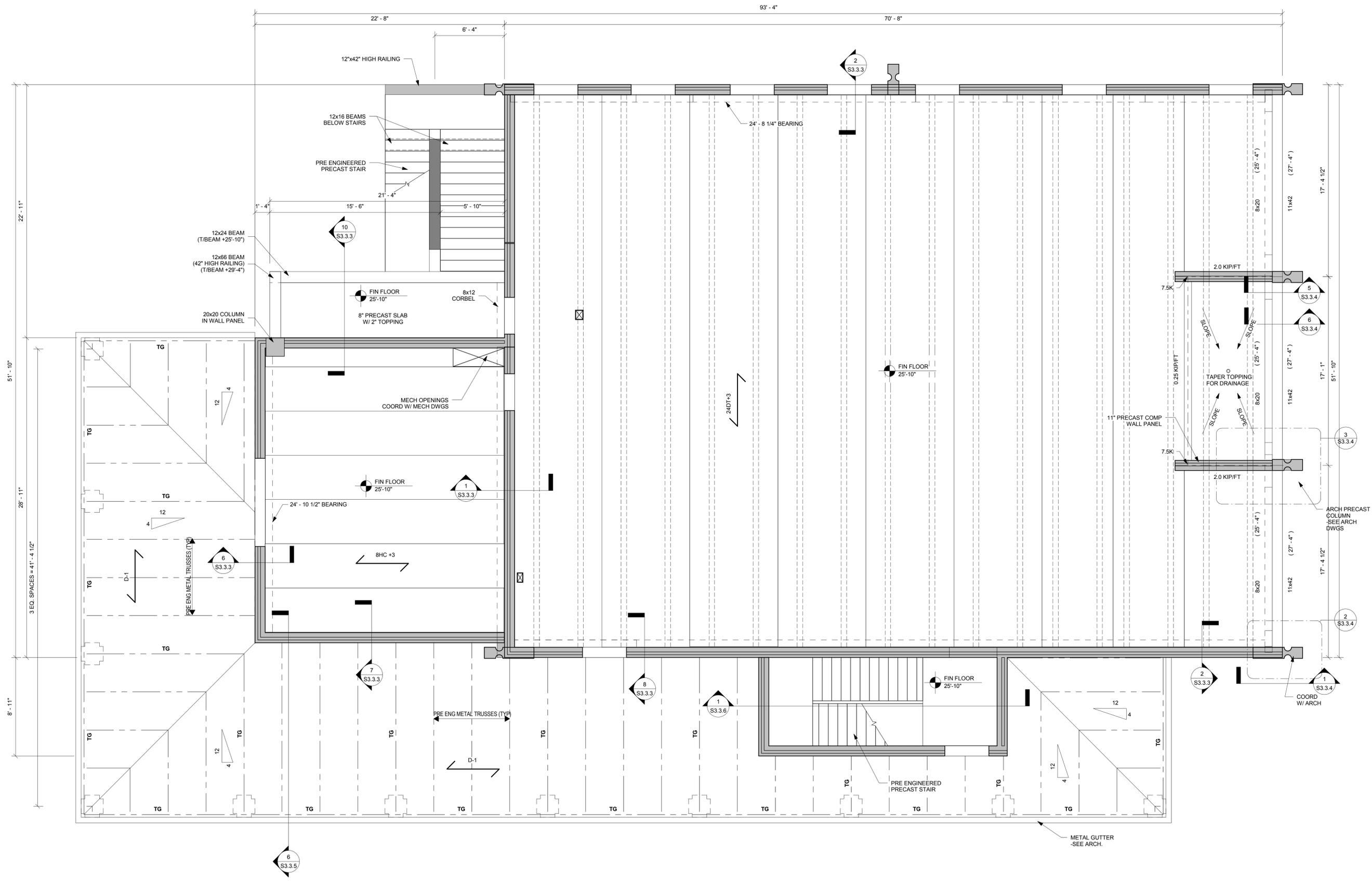
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Project #: MK-12060  
Drawn By: LAG  
Checked By: JTL

Title:  
SECOND FLOOR  
FRAMING PLAN

Sheet Number:

**S2.2.3**

Date: February 15, 2013  
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**SECOND FLOOR FRAMING PLAN**

1/4" = 1'-0"  
FOR FRAMING PLAN NOTES SEE SHEET S1.1.2

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FIRE STATION #2

616 Simington Street, Key West, Florida  
**BUILDING AND SITE DEVELOPMENT**  
FOR  
City of Key West, 3132 Flagler Avenue, Key West, Florida 33040

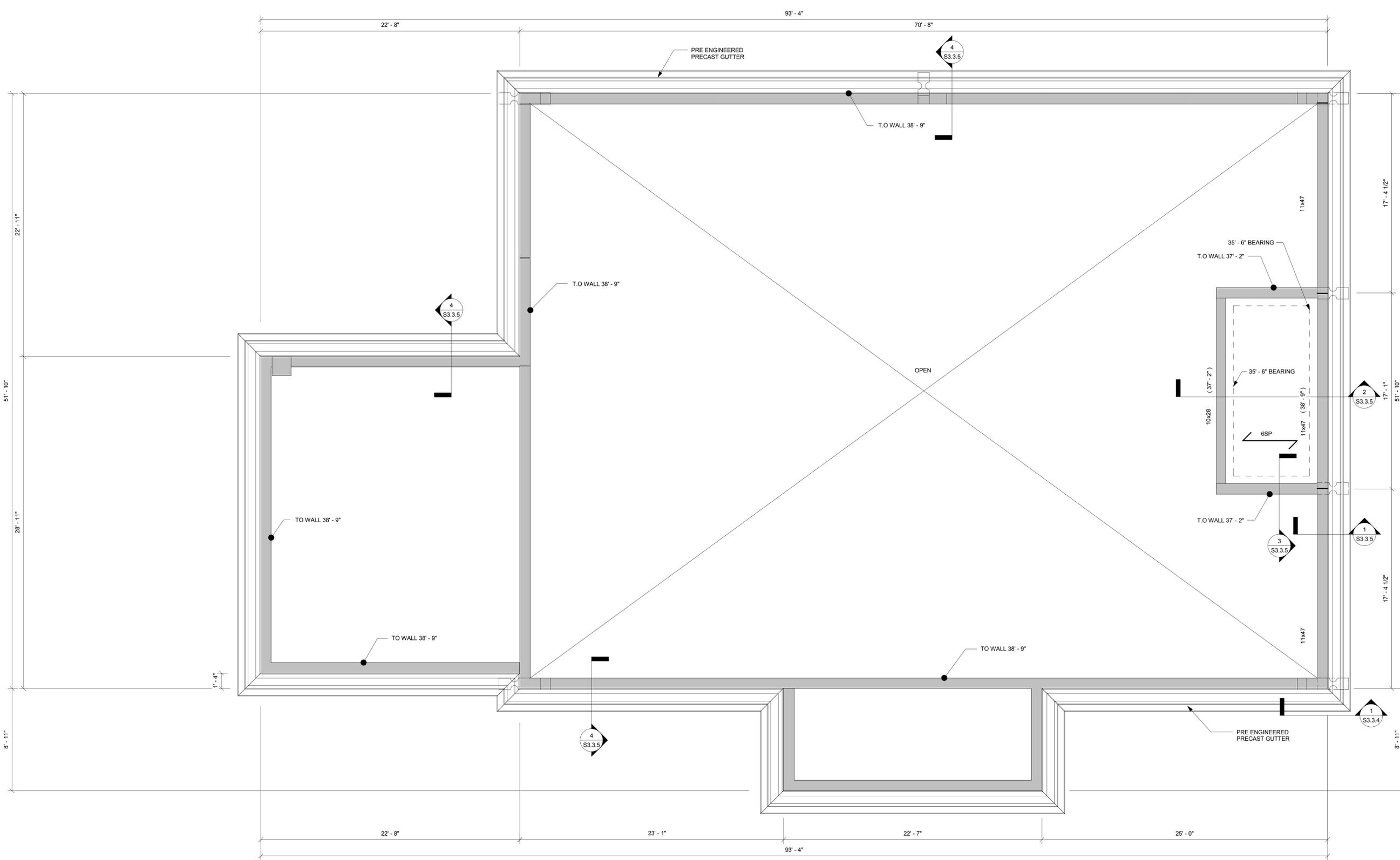
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Drawn By: LAG  
Checked By: JTL

Title:  
ROOF EAVE  
FRAMING PLAN

Sheet Number:

**S2.2.4**

Date: February 15, 2013  
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ROOF EAVE FRAMING PLAN

1/4" = 1'-0"

FOR FRAMING PLAN NOTES SEE SHEET S1.1.2

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 Coral Gables, Florida 33134.

Submissions:  
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**FIRE STATION #2**  
 616 Simington Street, Key West, Florida

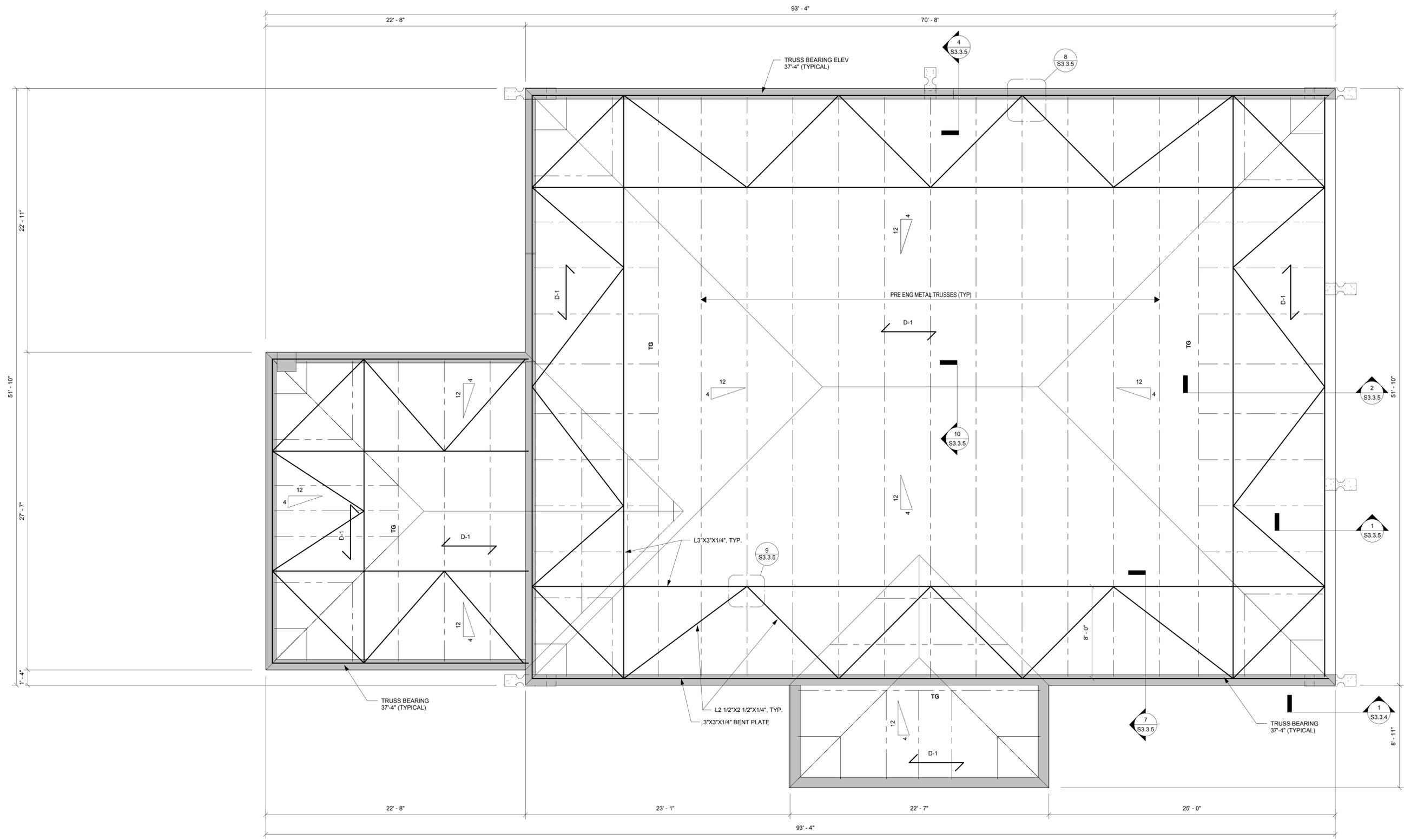
**BUILDING AND SITE DEVELOPMENT**  
 FOR

City of Key West, 3132 Flagler Avenue, Key West, Florida 33040

Drawing Size: 24x36  
 Drawn By: LAG  
 Project #: MK-12060  
 Checked By: JTL

Title:  
 ROOF FRAMING PLAN

Sheet Number:  
**S2.2.5**  
 Date: February 15, 2013  
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**ROOF FRAMING PLAN**

1/4" = 1'-0"  
 FOR FRAMING PLAN NOTES  
 SEE SHEET S1.1.2

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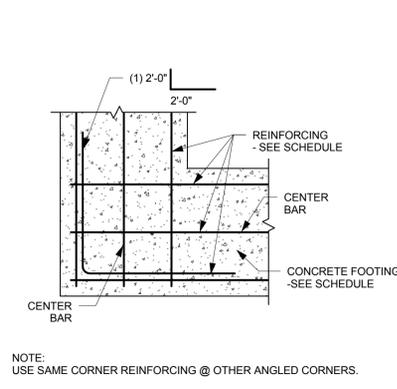
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Drawn By: LAG  
Checked By: JTL

Title:  
DETAILS AND SECTIONS

Sheet Number:

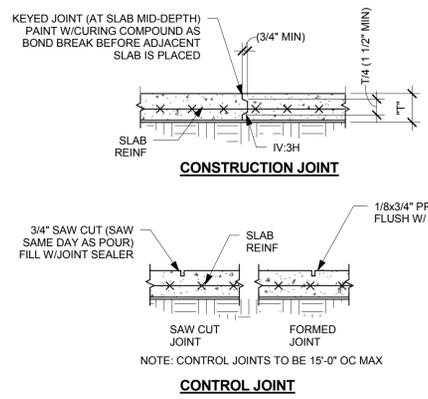
**S3.3.1**

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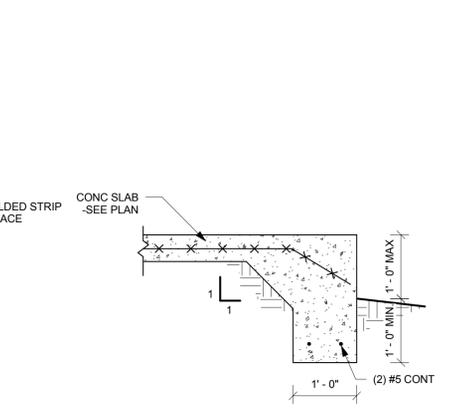
**1** TYPICAL FOOTING CORNER DETAIL

3/4" = 1'-0"



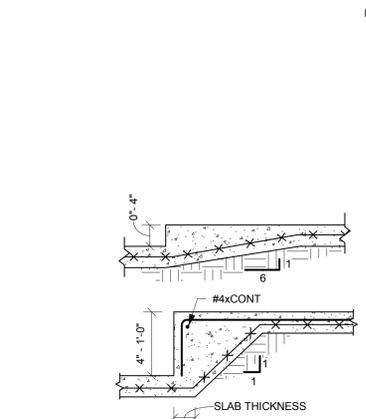
**2** TYPICAL SLAB JOINT DETAILS

3/4" = 1'-0"



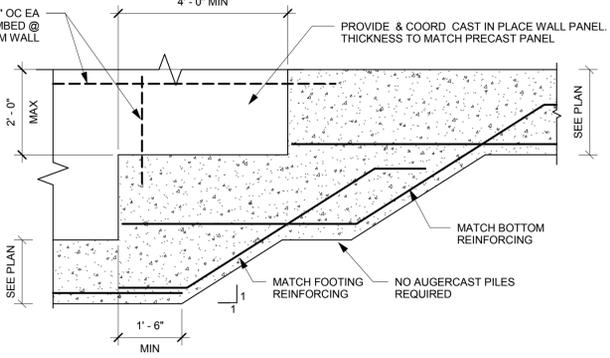
**3** TYPICAL THICKENED SLAB

3/4" = 1'-0"



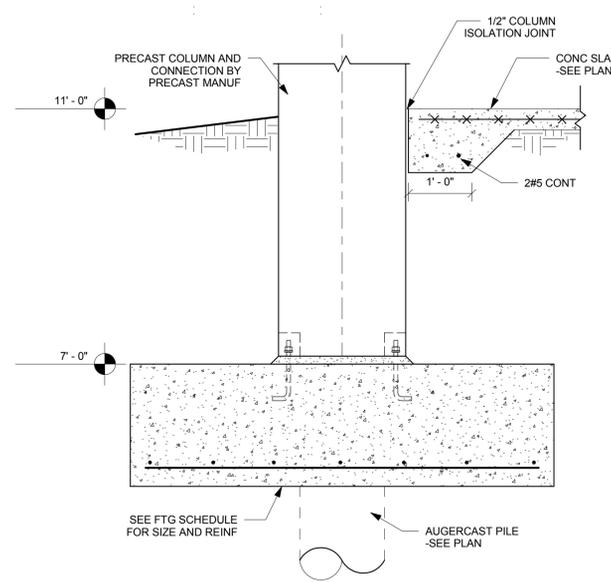
**4** TYPICAL STEPPED SLAB

3/4" = 1'-0"



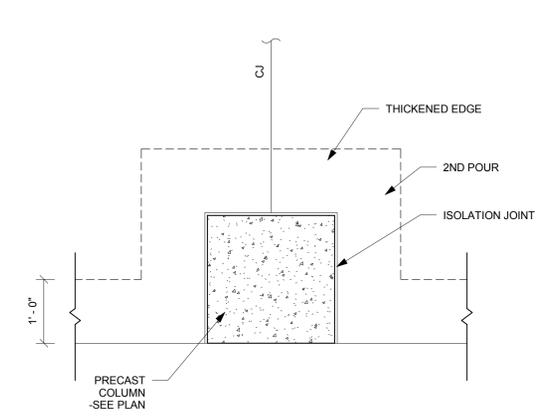
**5** TYPICAL STEPPED FOOTING DETAIL

1/2" = 1'-0"



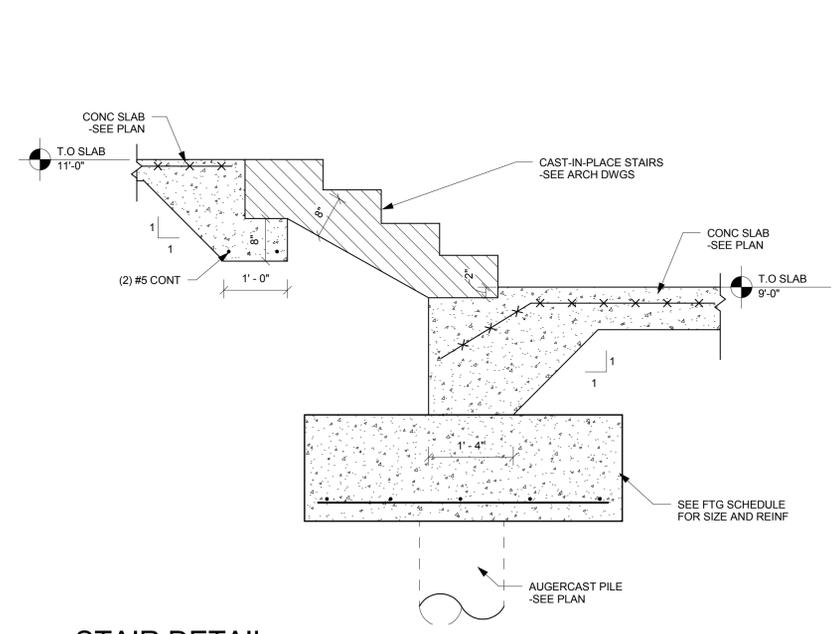
**6** COLUMN FOUNDATION

3/4" = 1'-0"



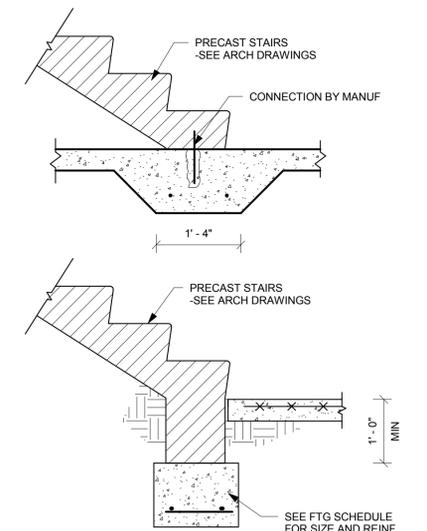
**7** TYPICAL ISOLATION JOINT

3/4" = 1'-0"



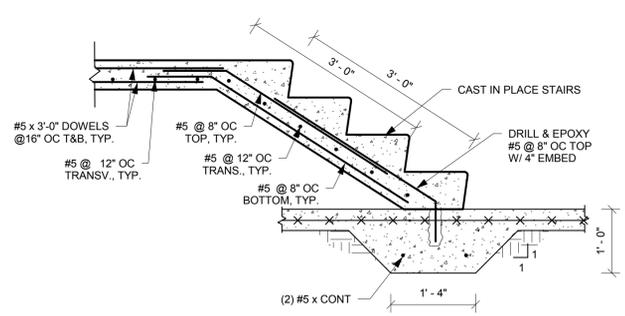
**8** STAIR DETAIL

3/4" = 1'-0"



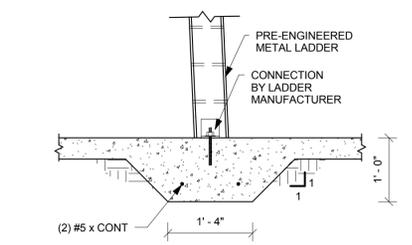
**9** PRECAST STAIR FOOTINGS

3/4" = 1'-0"



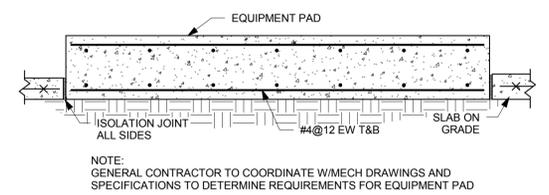
**10** CAST IN PLACE STAIRS

3/4" = 1'-0"



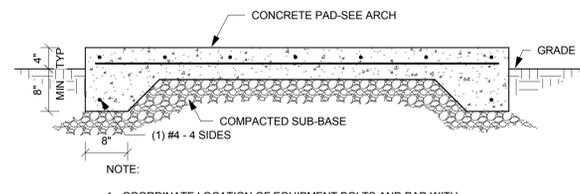
**11** PRE ENGINEERED METAL LADDER FOOTING

3/4" = 1'-0"



**12** EQUIPMENT PAD

3/4" = 1'-0"



**13** EQUIPMENT PAD

3/4" = 1'-0"

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Reg # 62894  
TKW Job # 12164.00  
2/15/2013 11:47:38 AM

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Submissions:

2013.02.15 - Bidding Documents

FIRE STATION #2

616 Simington Street, Key West, Florida

BUILDING AND SITE DEVELOPMENT

FOR

City of Key West, 3132 Flagler Avenue, Key West, Florida 33040

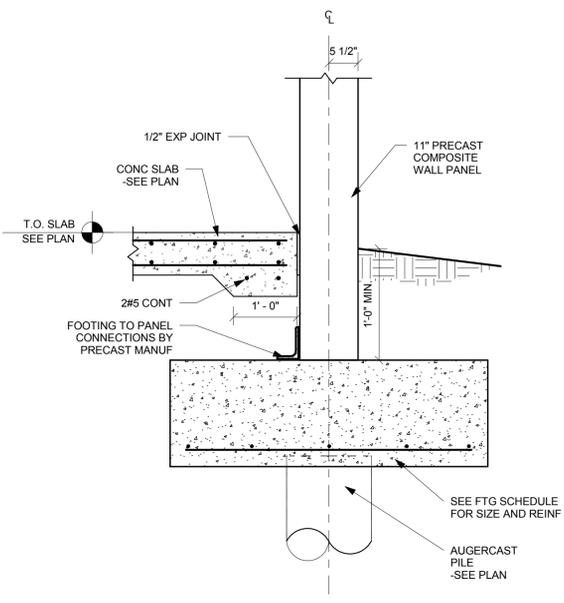
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Project #: MK-12060  
Drawn By: LAG  
Checked By: JTL

Title: DETAILS AND SECTIONS

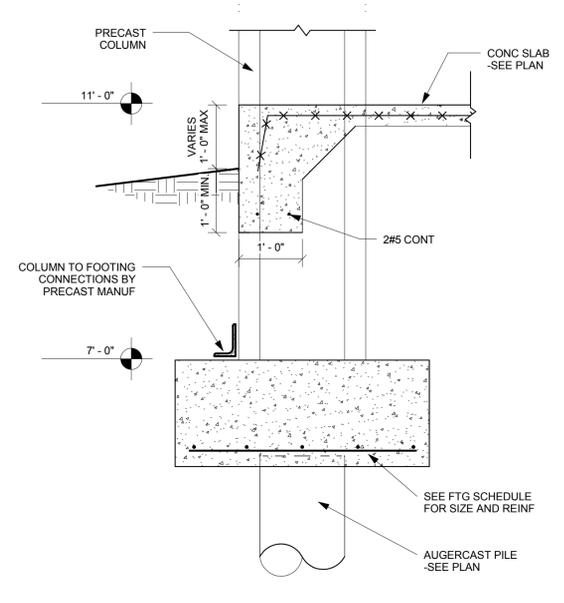
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S3.3.2

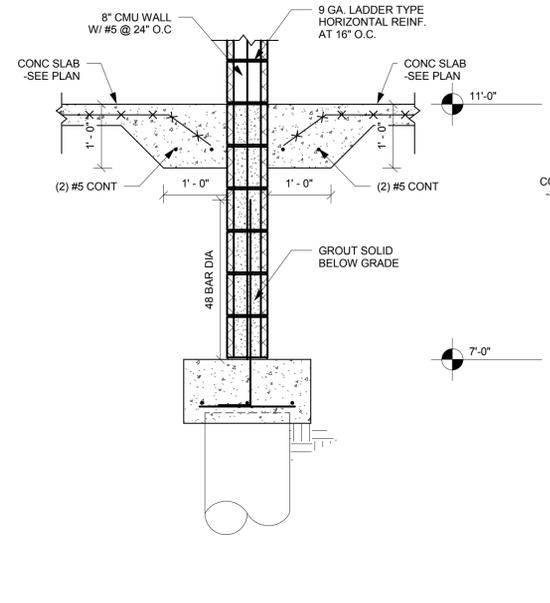
Date: February 15, 2013  
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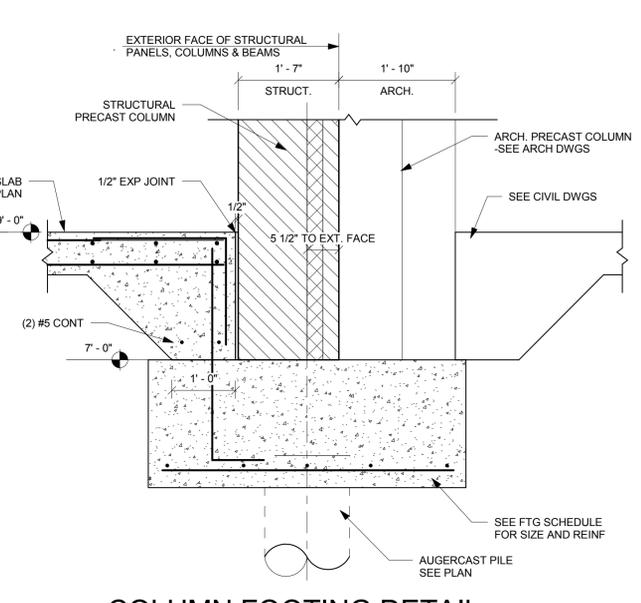
1 TYPICAL WALL FOOTING  
3/4" = 1'-0"



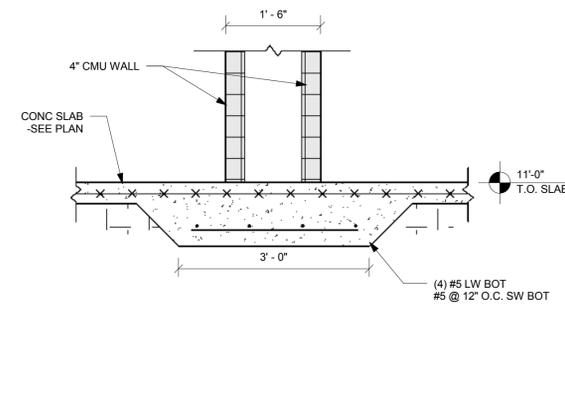
2 COLUMN FOOTING @ ARCADE  
3/4" = 1'-0"



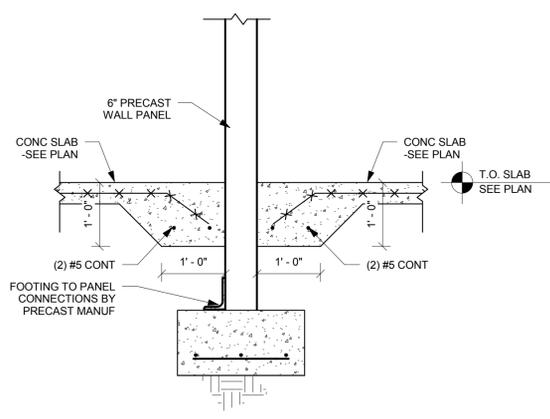
3 FOOTING @ CMU WALL  
3/4" = 1'-0"



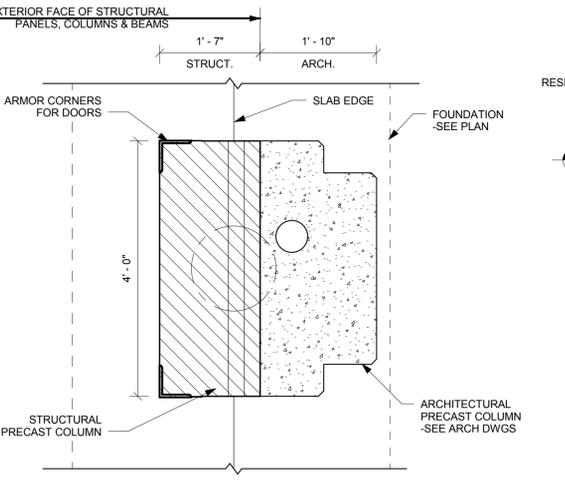
4 COLUMN FOOTING DETAIL AT FIRE STATION DOORS  
3/4" = 1'-0"



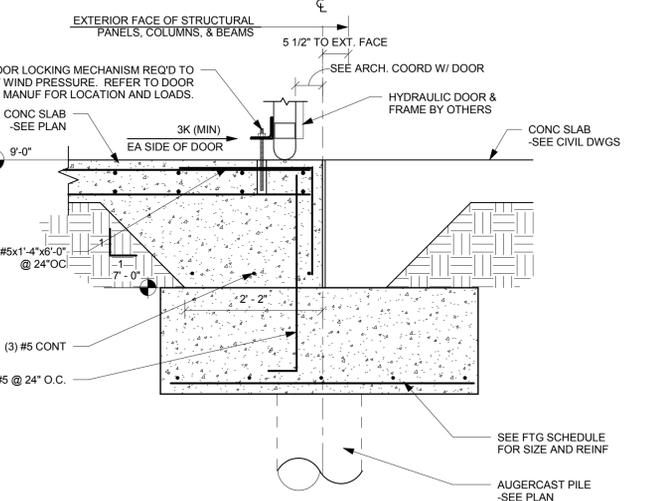
5 THICKENED SLAB AT WALL CHASE  
3/4" = 1'-0"



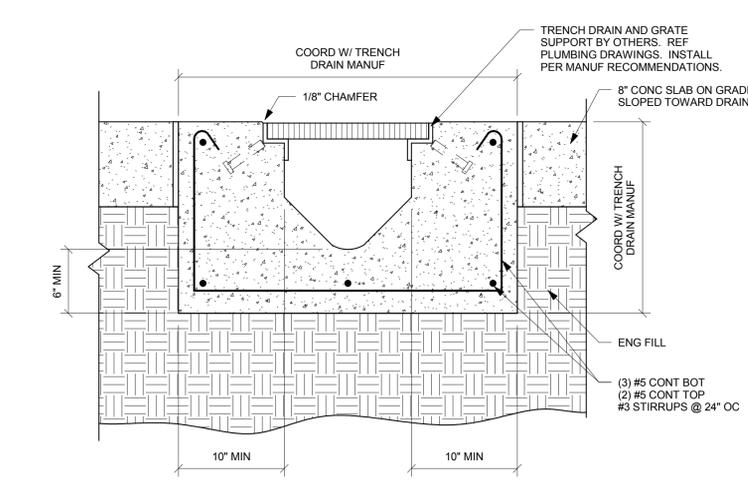
6 NON-BEARING WALL FOOTING  
3/4" = 1'-0"



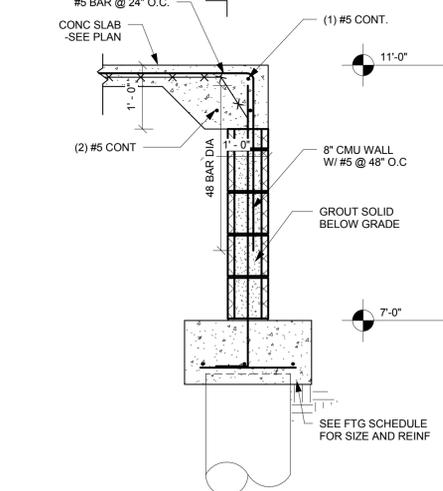
7 COLUMN SECTION  
3/4" = 1'-0"



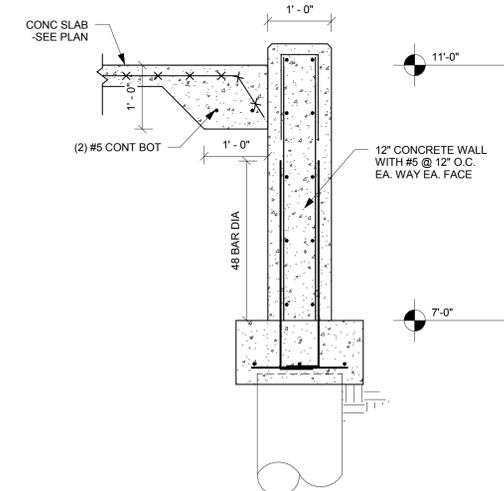
8 DOOR THRESHOLD  
3/4" = 1'-0"



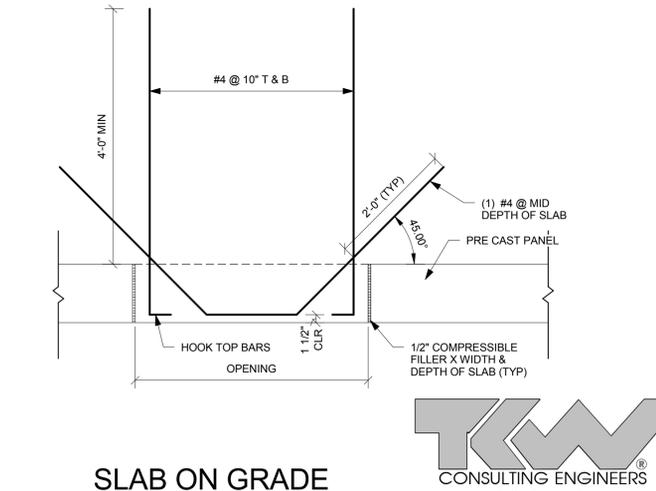
9 TRENCH DETAIL  
1 1/2" = 1'-0"



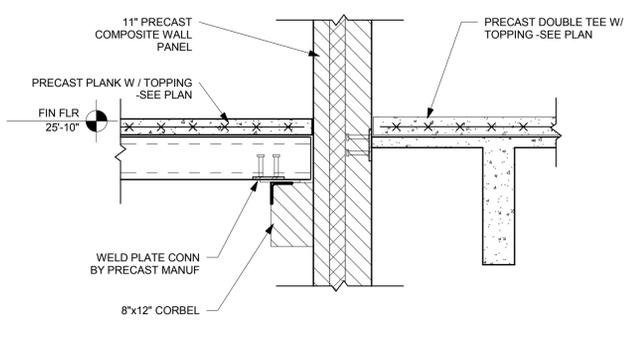
10 MASONRY STEMWALL  
3/4" = 1'-0"



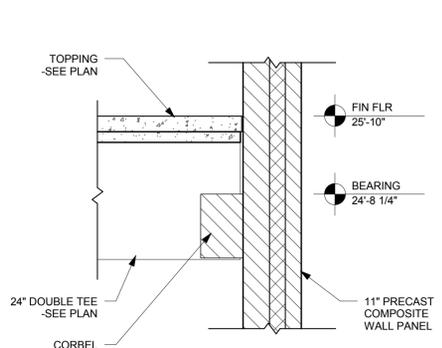
11 CONCRETE WALL  
3/4" = 1'-0"



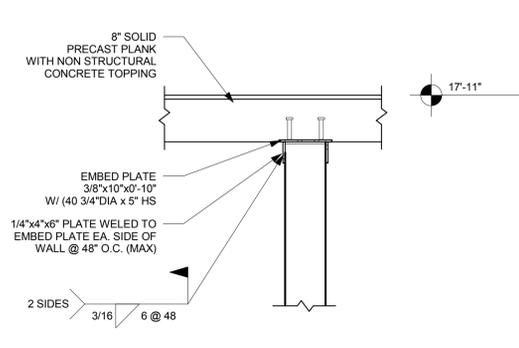
12 SLAB ON GRADE @ WALL OPENING  
3/4" = 1'-0"



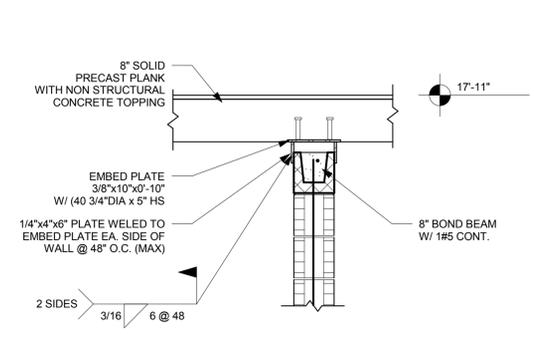
1 WALL SECTION  
 3/4" = 1'-0"



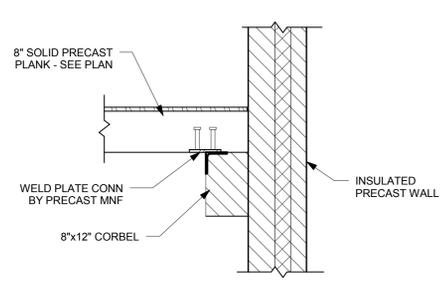
2 WALL SECTION  
 3/4" = 1'-0"



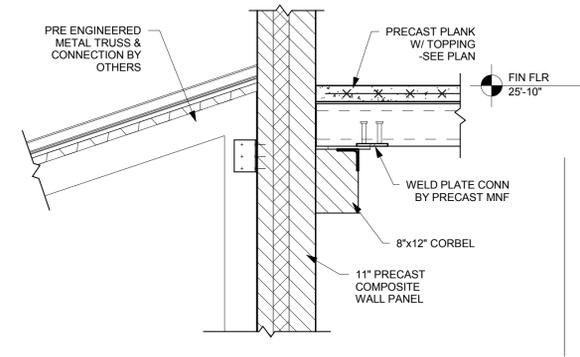
3 T.O PRECAST WALL @ MEZZ  
 3/4" = 1'-0"



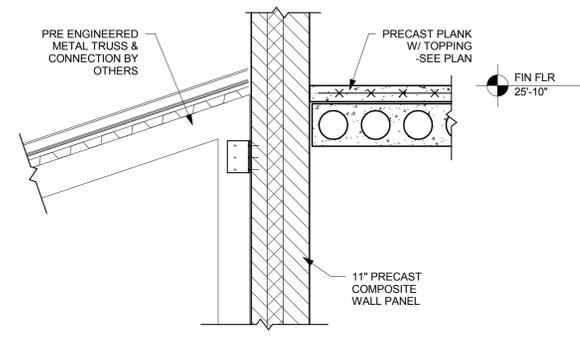
4 T.O. CMU WALL  
 3/4" = 1'-0"



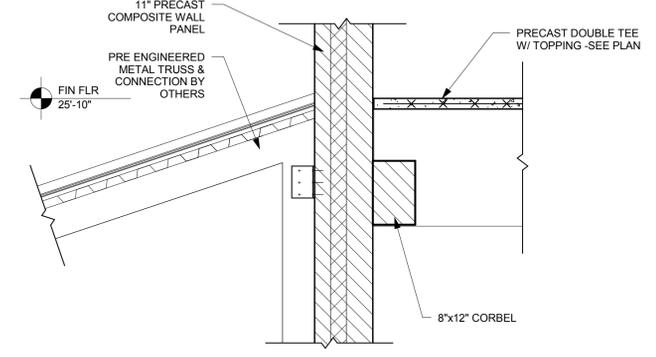
5 WALL SECTION @ MEZZANINE  
 3/4" = 1'-0"



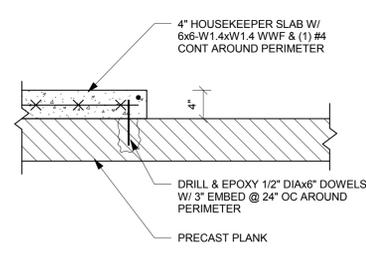
6 WALL SECTION  
 3/4" = 1'-0"



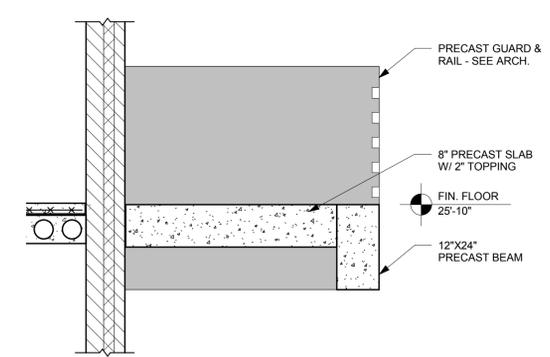
7 WALL SECTION  
 3/4" = 1'-0"



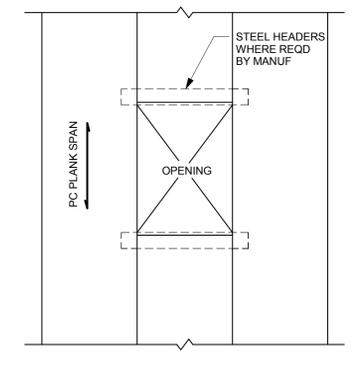
8 WALL SECTION  
 3/4" = 1'-0"



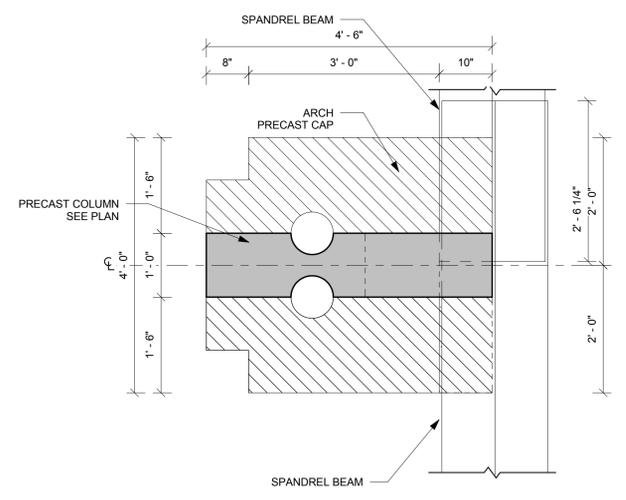
9 HOUSEKEEPING PAD  
 1" = 1'-0"



10 ELEVATED WALKWAY  
 1/2" = 1'-0"



11 TYPICAL PRECAST OPENING  
 3/4" = 1'-0"



12 TYPICAL COLUMN SECTION  
 3/4" = 1'-0"

Seal:

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**BUILDING AND SITE DEVELOPMENT**  
 FOR  
 City of Key West, 3132 Flagler Avenue, Key West, Florida 33040

Drawing Size: 24x36  
 Project #: MK-12060  
 Drawn By: LAG  
 Checked By: JTL

Title: DETAILS AND SECTIONS

Sheet Number:  
**S3.3.3**  
 Date: February 15, 2013  
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Seal:  
  
Lawrin Thomas Ellis, P.E.  
Florida License #66383

Consultants:  
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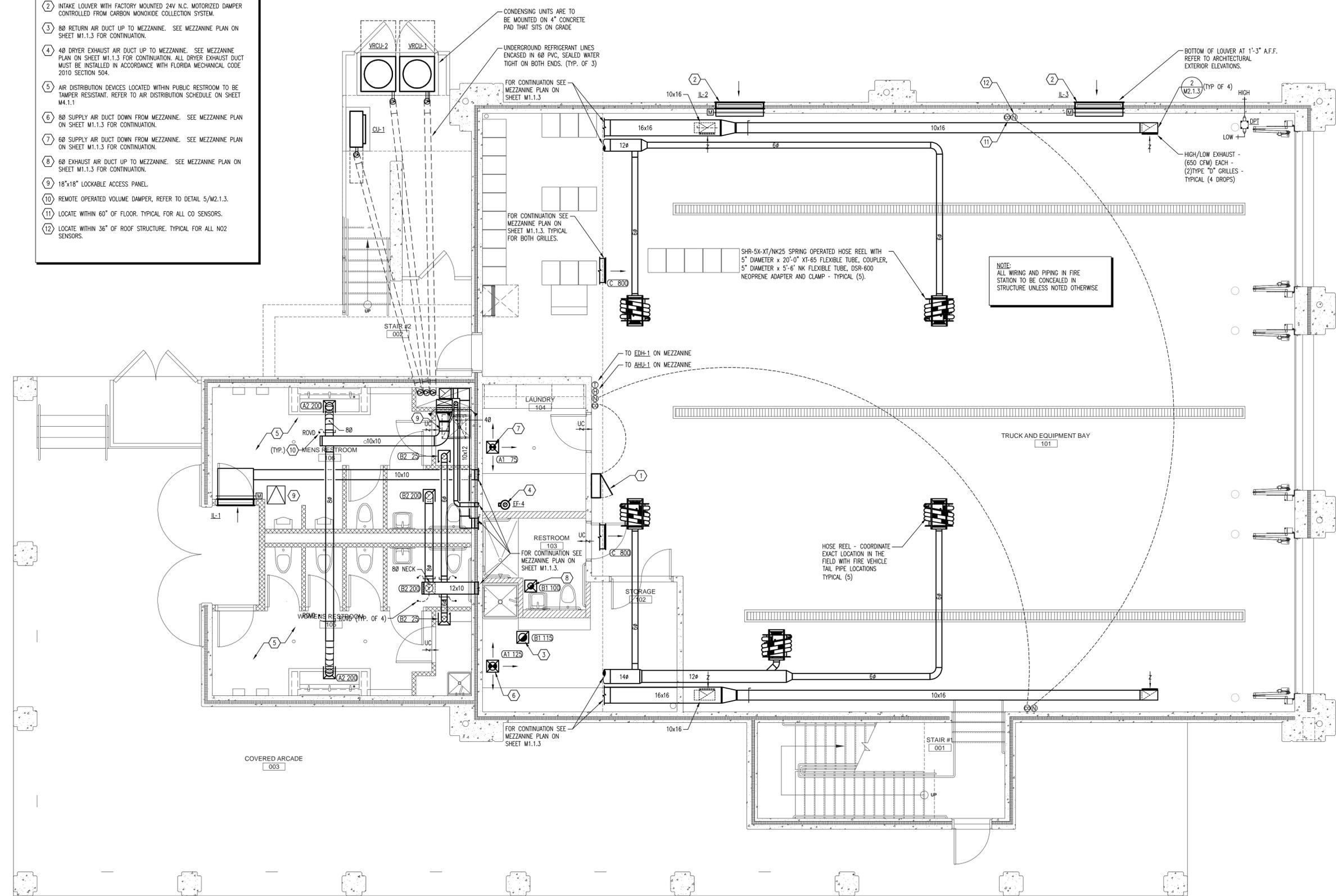
Drawing Size: 24x36 Project #: MK-12060  
Drawn By: TCH Checked By: LTE

Title:  
LEGEND, GENERAL  
NOTES, SHEET INDEX  
HVAC

Sheet Number:  
**MO.1.1**  
Date: February 15, 2013  
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HVAC SYMBOL LEGEND		HVAC ABBREVIATIONS		IAQ - VENTILATION DESIGN CRITERIA		GENERAL NOTES	
	-KITCHEN HOOD EXHAUST DUCT UP THROUGH ROOF W/FAN ON ROOF ABOVE		-MOTOR OPERATED CONTROL DAMPER (MOD)	ASHRAE 62.1-2007		FLORIDA MECHANICAL CODE	
	-KITCHEN HOOD EXHAUST FAN ON ROOF W/DUCT DOWN THROUGH ROOF		-AIR FLOW MEASURING STATION	AREA SERVED	OCC. DENSITY PEOPLE PER 1000 SQ FT	PEOPLE OA RATE, CFM/PERS	AREA OA RATE, CFM/SQ FT
	-KITCHEN HOOD MAKEUP DUCT UP THROUGH SLAB W/FAN AND HOOD EXTENSION ON ROOF ABOVE		-MANUAL BALANCING DAMPER	BEDROOMS/LIVING ROOM	10	5	0.06
	-KITCHEN HOOD MAKEUP FAN AND HOOD EXTENSION ON ROOF W/DUCT DOWN THROUGH ROOF		-UNDERCUT DOOR	STORAGE ROOMS	-	-	0.12
	-CEILING DIFFUSER, ROUND NECK (CEILING DIFFUSERS ARE 4-WAY THROW UNO)		-ACCESS DOORS, VERTICAL OR HORIZONTAL	CORRIDORS	-	-	0.06
	-CEILING RETURN		-FLEXIBLE CONNECTION	OFFICE SPACE	5	5	0.06
	-CEILING EXHAUST		-NEW DUCTWORK, FIRST DIMENSION IS SIDE SHOWN	LAUNDRY ROOMS	10	5	0.12
	-CEILING DIFFUSER, RECTANGULAR OR SQUARE NECK (CEILING DIFFUSERS ARE 4-WAY THROW UNO)		-DUCT ELBOW, POSITIVE PRESSURE (SUPPLY)	APPARATUS BAY PURGE	1.5 CFM/SQUARE FOOT		1.5 CFM/SQUARE FOOT
	-SUPPLY REGISTER OR GRILLE (VERTICAL MOUNT, SIDEWALL)		-DUCT ELBOW, EXHAUST	PRIVATE TOILET EXHAUST RATE	50 CFM/FIXTURE		50 CFM/FIXTURE
	-RETURN/EXHAUST REGISTER OR GRILLE (VERTICAL MOUNT, SIDEWALL)		-DUCT ELBOW, NEGATIVE PRESSURE, RETURN	PUBLIC TOILET EXHAUST RATE	50 CFM/FIXTURE		50 CFM/FIXTURE
	-REVISION REFERENCE		-DUCT ELBOW UP THROUGH ROOF OR SLAB ABOVE	SHOWER HEAD	-		50 CFM/FIXTURE
	-DETAIL REFERENCE: TOP - DETAIL#; BOTTOM - DRAWING# SHOWN ON		-ELECTRIC DUCT HEATER (W/PANEL CLEARANCE)	NOTES: 1. VENTILATION IS CALCULATED IN ACCORDANCE WITH THE VENTILATION RATE PROCEDURE PER ASHRAE STANDARD 62.1-2007, IN COMPLIANCE WITH THE 2010 FLORIDA BUILDING CODE, MECHANICAL, SECTION 403.3. 2. ACTUAL OCCUPANCY FOR OFFICES AND BEDROOM/LIVING ROOM SPACES ARE BASED ON SEATING PROVIDED WITHIN EACH SPACE. 3. A MINIMUM CONTINUOUS EXHAUST AIR FLOW OF 1 CFM/FT2 IS PROVIDED FOR ALL JANITOR CLOSETS.			
	-DUCT SMOKE DETECTOR		-IN-LINE CENTRIFUGAL FAN				
	-MOTORIZED CONTROL DAMPER		-CHANGE OF ELEVATION	COMPLIANCE STATEMENT  THESE PLANS HAVE BEEN PREPARED IN COMPLIANCE WITH THE 2010 FLORIDA BUILDING CODE, BUILDING, AND THE 2010 FLORIDA BUILDING CODE, MECHANICAL AND 2010 FLORIDA BUILDING CODE, ENERGY CONSERVATION.			
	-BACKDRAFT DAMPER		-FLEXIBLE DUCT				
	-NITROGEN DIOXIDE SENSOR		-TRANSITION, CONCENTRIC	HVAC EQUIPMENT TAGS			
	-CO2 SENSOR		-TRANSITION, ECCENTRIC		CU NUMBER	-CONDENSING UNIT	
	-TEMPERATURE SENSOR		-TRANSITION, SQUARE TO ROUND		TAG	-AIR DISTRIBUTION DEVICE	
	-HUMIDITY SENSOR		-SQUARE THROAT ELBOW W/TURNING VANES		AHU NUMBER	-AIR HANDLING UNIT	
	-CARBON MONOXIDE SENSOR		-RADIUS ELBOW		FAN NUMBER	-EXHAUST FAN	
	-SHEET NOTE CALLOUT		-RECTANGULAR/ROUND BRANCH TAKE-OFF OR ROUND/ROUND BRANCH TAKE-OFF		UNIT NUMBER	-VARIABLE REFRIGERANT FLOW UNITS	
	-CEILING MOUNTED ACCESS DOOR		-SQUARE THROAT TEE	HVAC DRAWING INDEX			
	-CONDENSATE		-STANDARD BRANCH TAKE-OFF	SHEET	DESCRIPTION		ISSUED
	-REFRIGERANT LIQUID		-SPIN-IN TAKE-OFF	M0.1.1	LEGEND, GENERAL NOTES & SHEET INDEX - HVAC		Yes
	-REFRIGERANT SUCTION			M1.1.1	FIRST FLOOR PLAN - HVAC		Yes
	-RECTANGULAR DUCT SECTION UP, POSITIVE PRESSURE, SUPPLY OR OUTSIDE AIR			M1.1.2	SECOND FLOOR PLAN - HVAC		Yes
	-RECTANGULAR DUCT SECTION UP, NEGATIVE PRESSURE, RETURN			M1.1.3	MEZZANINE PLAN - HVAC		Yes
	-ROUND DUCT SECTION UP			M1.1.4	ROOF PLAN - HVAC		Yes
	-FIRE DAMPER			M2.1.1	DETAILS - HVAC		Yes
				M2.1.2	DETAILS - HVAC		Yes
				M2.1.3	DETAILS - HVAC		Yes
				M2.1.4	DETAILS - HVAC		Yes
				M2.1.5	CONTROL DIAGRAMS - HVAC		Yes
				M3.1.1	SCHEDULES - HVAC		Yes
				M4.1.1	SCHEDULES - HVAC		Yes

- NOTES KEYED TO PLAN**
- 1 CARBON MONOXIDE DETECTION SYSTEM CONTROL PANEL EQUAL TO ACME CEL CONTROL PANEL THAT MUST SUPPORT A MINIMUM OF 32 CHANNELS. PROVIDE WITH COMPATIBLE SENSORS EQUAL TO CEL MODEL CO-ST-24 AND DUSTY CHAIN SENSORS BACK TO THIS CONTROL PANEL. REFER TO DIAGRAM 3/M3.1.1 FOR CONTROL SEQUENCE.
  - 2 INTAKE LOUVER WITH FACTORY MOUNTED 24V N.C. MOTORIZED DAMPER CONTROLLED FROM CARBON MONOXIDE COLLECTION SYSTEM.
  - 3 80 RETURN AIR DUCT UP TO MEZZANINE. SEE MEZZANINE PLAN ON SHEET M1.1.3 FOR CONTINUATION.
  - 4 40 DRYER EXHAUST AIR DUCT UP TO MEZZANINE. SEE MEZZANINE PLAN ON SHEET M1.1.3 FOR CONTINUATION. ALL DRYER EXHAUST DUCT MUST BE INSTALLED IN ACCORDANCE WITH FLORIDA MECHANICAL CODE 2010 SECTION 504.
  - 5 AIR DISTRIBUTION DEVICES LOCATED WITHIN PUBLIC RESTROOM TO BE TAMPER RESISTANT. REFER TO AIR DISTRIBUTION SCHEDULE ON SHEET M4.1.1
  - 6 80 SUPPLY AIR DUCT DOWN FROM MEZZANINE. SEE MEZZANINE PLAN ON SHEET M1.1.3 FOR CONTINUATION.
  - 7 60 SUPPLY AIR DUCT DOWN FROM MEZZANINE. SEE MEZZANINE PLAN ON SHEET M1.1.3 FOR CONTINUATION.
  - 8 60 EXHAUST AIR DUCT UP TO MEZZANINE. SEE MEZZANINE PLAN ON SHEET M1.1.3 FOR CONTINUATION.
  - 9 18"x18" LOCKABLE ACCESS PANEL.
  - 10 REMOTE OPERATED VOLUME DAMPER, REFER TO DETAIL 5/M2.1.3.
  - 11 LOCATE WITHIN 60" OF FLOOR. TYPICAL FOR ALL CO SENSORS.
  - 12 LOCATE WITHIN 36" OF ROOF STRUCTURE. TYPICAL FOR ALL NO2 SENSORS.



NOTE:  
ALL WIRING AND PIPING IN FIRE STATION TO BE CONCEALED IN STRUCTURE UNLESS NOTED OTHERWISE

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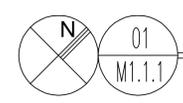
**FIRE STATION #2**  
616 Simonton Street, Key West, Florida  
**BUILDING AND SITE DEVELOPMENT**  
FOR  
City of Key West, 3132 Flagler Avenue, Key West, Florida 33040

Drawing Size: 24x36 Project #: MK-12060  
Drawn By: TCH Checked By: LTE

Title:  
FIRST FLOOR PLAN - HVAC

Sheet Number:  
**M1.1.1**  
Date: February 15, 2013  
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**FIRST FLOOR PLAN - HVAC**

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

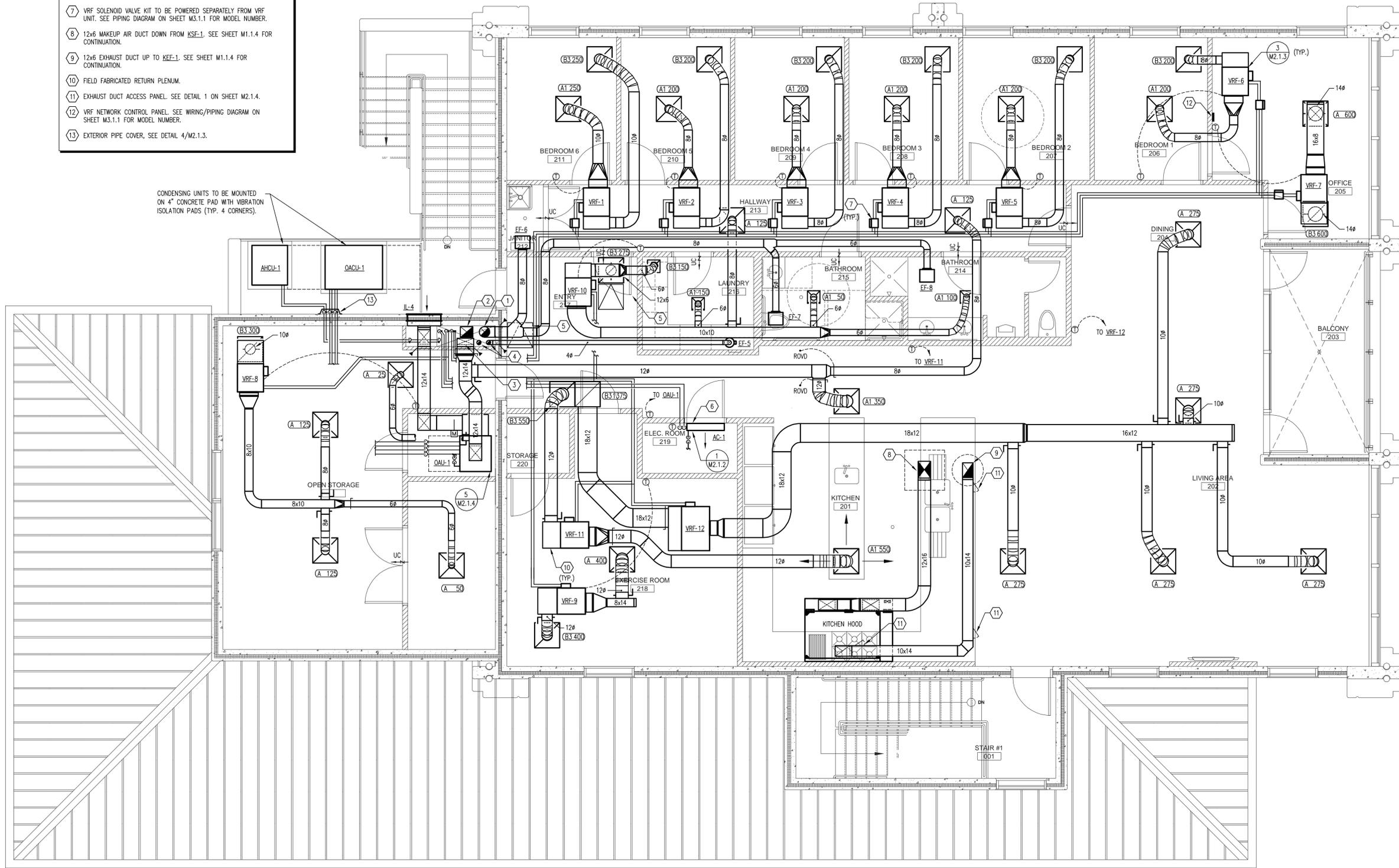


NOTES KEYED TO PLAN

- 1 10Ø EXHAUST DUCT UP TO GOOSENECK ON ROOF. SEE SHEET M1.1.4 FOR CONTINUATION.
- 2 12x10 EXHAUST DUCT UP TO GOOSENECK ON ROOF. SEE SHEET M1.1.4 FOR CONTINUATION.
- 3 16x6 SUPPLY DUCT DOWN TO PUBLIC RESTROOMS ON FIRST FLOOR. SEE SHEET M1.1.1 FOR CONTINUATION.
- 4 4Ø EXHAUST DUCT UP TO GOOSENECK ON ROOF. SEE SHEET M1.1.4 FOR CONTINUATION.
- 5 24x24 ACCESS PANEL.
- 6 WALL MOUNTED DUCTLESS MINI-SPLIT (AC-1) MOUNTED ON WALL ABOVE DOOR. SEE PLUMBING FOR CONDENSATE ROUTING.
- 7 VRF SOLENOID VALVE KIT TO BE POWERED SEPARATELY FROM VRF UNIT. SEE PIPING DIAGRAM ON SHEET M3.1.1 FOR MODEL NUMBER.
- 8 12x6 MAKEUP AIR DUCT DOWN FROM KSE-1. SEE SHEET M1.1.4 FOR CONTINUATION.
- 9 12x6 EXHAUST DUCT UP TO KEF-1. SEE SHEET M1.1.4 FOR CONTINUATION.
- 10 FIELD FABRICATED RETURN PLENUM.
- 11 EXHAUST DUCT ACCESS PANEL. SEE DETAIL 1 ON SHEET M2.1.4.
- 12 VRF NETWORK CONTROL PANEL. SEE WIRING/PIPING DIAGRAM ON SHEET M3.1.1 FOR MODEL NUMBER.
- 13 EXTERIOR PIPE COVER, SEE DETAIL 4/M2.1.3.

NOTE:  
SEE PLUMBING FOR CONDENSATE ROUTING FROM VRF UNITS, AC-1 AND QAL-1.

CONDENSING UNITS TO BE MOUNTED ON 4" CONCRETE PAD WITH VIBRATION ISOLATION PADS (TYP. 4 CORNERS).



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SECOND FLOOR  
PLAN - HVAC

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SECOND FLOOR PLAN - HVAC

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



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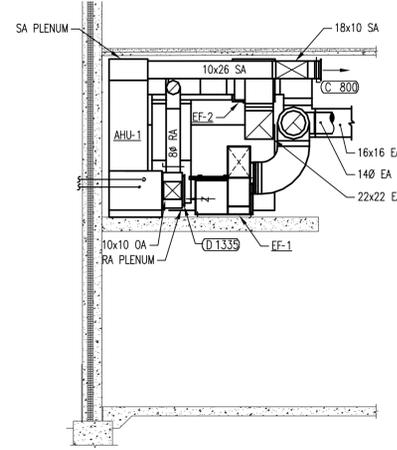
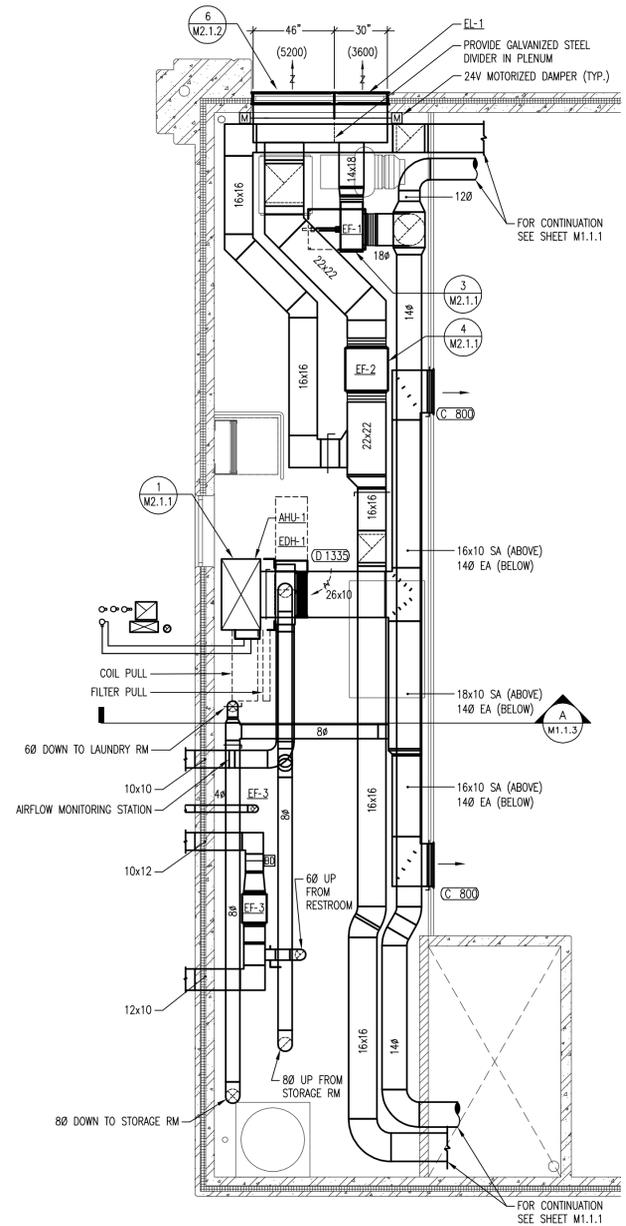
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Drawing Size 24x36	Project #: MK-12060
Drawn By: TCH	Checked By: LTE

Title:  
MEZZANINE PLAN -  
HVAC

Sheet Number:  
**M1.1.3**  
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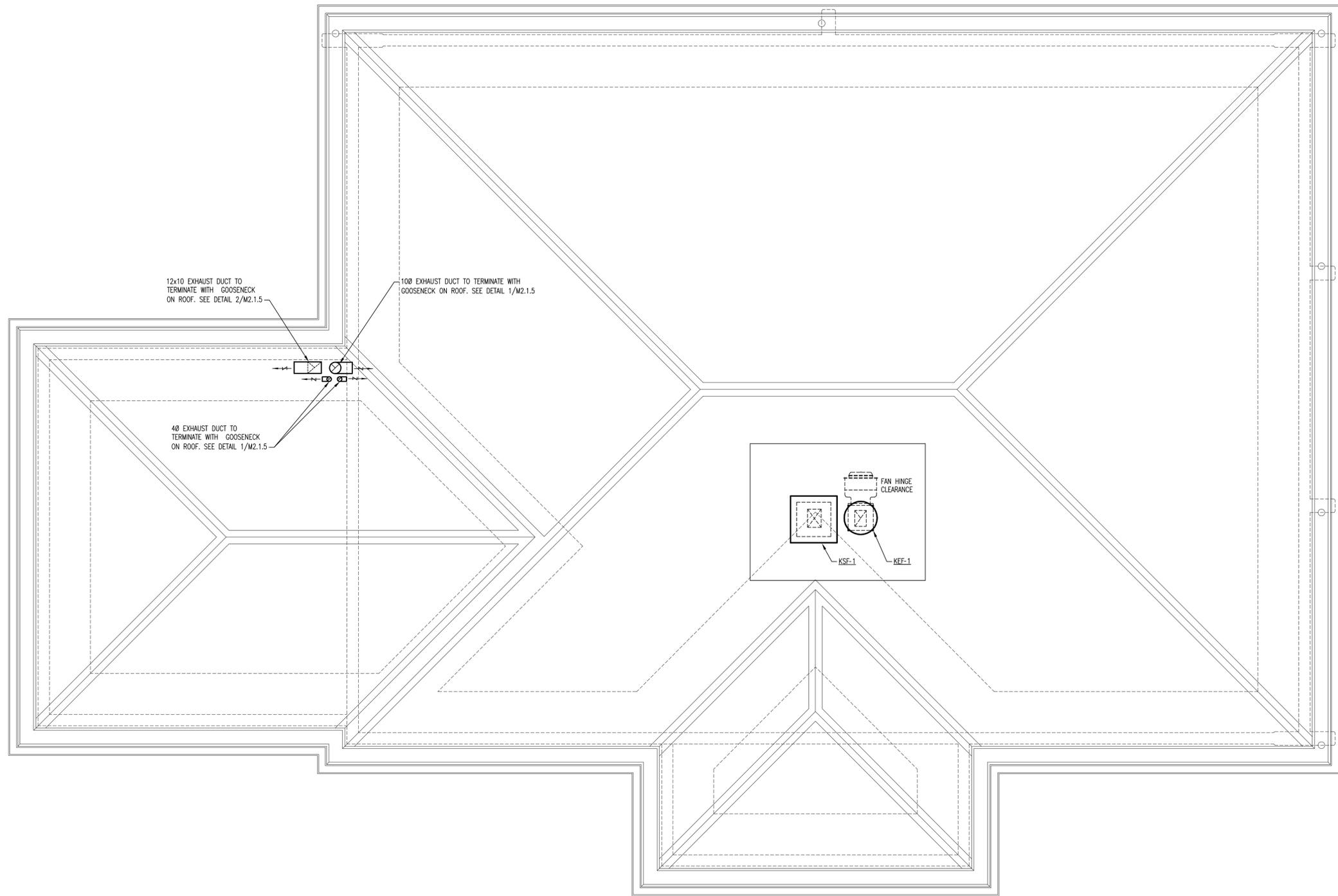
**SECTION A**  
SCALE: 1/4" = 1'-0"

**MEZZANINE FLOOR PLAN - HVAC**  
SCALE: 1/4" = 1'-0"



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 ROOF PLAN - HVAC

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 Date: February 15, 2013  
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**01**  
**M1.1.4**  
**ROOF PLAN - HVAC**  
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 GRAPHIC SCALE: 1/4" = 1'-0"

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