

# THE COMMONS HOUSING LIBERTY UNIVERSITY LYNCHBURG, VIRGINIA

## GENERAL NOTES

- INTENTION : SHOP DRAWINGS ARE INTENDED TO COMPLY WITH ALL LAWS, CODES, JURISDICTIONS OF PROJECT LOCALITY.
- ALL CONSTRUCTION IMPULD BY THE SHOP DRAWINGS SHALL CONFORM TO THE APPLICABLE CODES AS CURRENTLY REFERENCED AND/OR ENFORCED BY THE AGENCY HAVING JURISDICTION OF THIS PROJECT. UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED IN THE SHOP DRAWINGS, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND/OR THE INSTALLER TO SECURE ALL NECESSARY PERMITS WITH THE GOVERNING AGENCY (LOCAL, STATE AND FEDERAL) NOTED HEREIN.
- SCOPE : ALL TRADES SHALL FURNISH ALL LABOR, EQUIPMENT, MATERIALS AND PERFORM ALL WORK NECESSARY, INDICATED, REASONABLY INFERRED OR REQUIRED BY ANY AGENCY HAVING LEGAL JURISDICTION, TO COMPLETE THEIR SCOPE OF WORK, ON A TIMELY BASIS, FOR A COMPLETE AND PROPER FINISH.
- THE CONTRACTOR SHALL VERIFY, IN THE FIELD, ALL CONDITIONS AND DIMENSIONS OF OTHERS WORK BEFORE STARTING APPLICATION OF FIBER REINFORCED PRODUCTS BY FIRST CLASS BUILDING PRODUCTS (FCBP). THE ARCHITECT OF RECORD AND THE ENGINEER OF RECORD SHALL BE NOTIFIED IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND NOT CONFORMING TO APPROVED SHOP DRAWINGS AND/OR ARCHITECTURAL/ STRUCTURAL DRAWINGS OF RECORD.
- ANY MEMBER PART NUMBER SHOWN ON ELEVATIONS REFERENCING THE PART NUMBER AS THE PART IS DETAILED, ELEVATIONS, SECTIONS AND DETAILS ARE REFERENCED ON THESE SHOP DRAWINGS AS RELATES TO THE CONTRACT DOCUMENTS. SHEET THICKNESS IS A NOMINAL 3/16" UNLESS NOTED OTHERWISE.
- MACHINE BOLTS AND SCREWS AS SPECIFIED BY THESE SHOP DRAWINGS ARE TO CONFORM TO EITHER THE PROJECT SPECIFICATIONS OR ASTM A307.
- ANCHORAGE LOCATION AND DETAILS ARE SHOWN FOR REFERENCE AND ARE TO BE REVIEWED BY THE PROJECT ARCHITECT AND THE PROJECT ENGINEER FOR CONFORMANCE TO ALL PERTINENT STRUCTURAL REQUIREMENTS AND REGULATIONS THAT GOVERN, ALL ANCHORAGE AND METHODS OF ATTACHMENT IS TO BE NON-CORROSIIVE (FCBP RECOMMENDS STAINLESS STEEL OR APPROVED EQUIVALENT). SEE PROJECT NOTES FOR SPECIFIC DETAILS. ALL PARTS TO BE MANUFACTURED BY FIRST CLASS BUILDING PRODUCTS UNLESS OTHERWISE INDICATED ON THE DRAWINGS ARE FOR REFERENCE ONLY AND ARE THE RESPONSIBILITY OF THE INSTALLER. FCBP IS A MATERIAL MANUFACTURER/ SUPPLIER AND NOT RESPONSIBLE FOR INSTALLATION OR MEANS AND METHODS ASSOCIATED THERE TO.
- ALL INSTALLATION AND/OR WORK ASSOCIATED WITH THE INSTALLATION AS SHOWN HEREIN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE CONTRACTOR, OR A SUB-CONTRACTOR AS SELECTED BY, AND CONTRACTED WITH, THE GENERAL CONTRACTOR (REFERENCE THE PROJECT SPECIFICATIONS FOR INSTALLER REQUIREMENTS).
- INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE INSTALLER.
- ALL BOLT TYPE FASTENERS SHALL HAVE NUTS AND WASHERS OF APPROPRIATE SIZE AND CONFIGURATION FOR THE INTENDED INSTALLATION. ALL FASTENERS SHALL BE INSTALLED WITH A MINIMUM EDGE DISTANCE OF 1.5 TIMES THE DIAMETER OF SUBJECT FASTENER. ALL FASTENERS SHALL BE PLACED A MAX. OF 2" FROM THE CORNER OF ANY PART AS SUPPLIED BY FCBP ASSOCIATES.
- CONCEALED INTERNAL FRAMING COMPONENTS AND DETAILS AS SHOWN HEREIN ARE FOR REFERENCE ONLY. ALL FRAMING COMPONENTS (PRIMARY SUB-STRUCTURE AND SECONDARY FRAMING) ARE TO BE PER THE CONTRACT DOCUMENTS.
- ALL FRAMING TO BE BY OTHERS UNLESS NOTED OTHERWISE, OR AS CONTRACTUALLY ARRANGED BETWEEN THE INSTALLER AND THE GENERAL CONTRACTOR.
- ALL FIBER REINFORCED MATERIAL IS SUPPLIED UNFINISHED UNLESS NOTED OTHERWISE. HEREIN, ALL PARTS ARE MANUFACTURED WITH A WHITE GEL-COAT. ANY SPECIFIC FINISHES (FACTORY PAINT, AGGREGATES, TEXTURES) ARE NOTED BELOW.
  - SEE INDIVIDUAL PART DRAWINGS FOR FINISH TYPE LOCATIONS.
  - A SMOOTH FINISH GEL COAT
8. SUBMIT SAMPLE TO ARCHITECT
- THE RELATIONSHIP OF THE FIBER/FIBER FABRICATED PARTS TO THE SUPERSTRUCTURE AND DETAIL DRAWINGS FOR REFERENCE ONLY.
- ALL RELEVANT RELATIONSHIPS TO STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING ARE SHOWN IN THE CONTRACT DOCUMENTS REFERENCED HEREIN AND NOTIFY INSTALLER TO FIELD VERIFY ALL CONDITIONS REFERENCED HEREIN AND NOTIFY CONTRACTOR IN WRITING OF ANY AND ALL ISSUES THAT CONTRADICT THE CONTRACT DOCUMENTS.
- CONTINUOUS RUNNING PARTS OR MULTIPLE LAYER PARTS ARE SHOWN ON SHOP DRAWINGS. THE LOCATIONS OF THE JOINTS ARE SHOWN ON THE ELEVATIONS, SECTIONS OR LAYOUT PLAN FOR THE CONTINUOUS RUNNING PARTS. MULTIPLE LAYER PARTS ARE SHOWN ON THE PARTS SECTION OR DETAIL DRAWING. THE FINISHING DETAILS AND SEALANT INFORMATION SHOULD BE AS REFERENCED IN THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.
- THE CORRESPONDING PART NUMBERS AS THEY ARE SHOWN ON THESE SHOP DRAWINGS WILL BE INDICATED ON THE ACTUAL PARTS SUPPLIED TO THE FIELD. THE INSTALLER IS TO REFERENCE ALL PART NUMBERS ON THE SHOP DRAWINGS IN ORDER TO LOCATE, POSITION AND INSTALL EACH INDIVIDUAL PART. IT IS THE INTENT OF FCBP TO INCLUDE ANY AND ALL PERTINENT INFORMATION ON THE SHOP DRAWINGS TO ASSIST THE INSTALLER IN THE PROPER INSTALLATION OF PARTS. ANY AND ALL ERRORS AND/OR OMISSIONS NOTED THAT ARE DEEMED IMPORTANT AND NECESSARY, ARE TO BE INDICATED IN WRITING DURING THE SHOP DRAWING SUBMITTAL PROCESS.
- LIFTING AND ERECTION DETAILS FOR SPECIAL CONDITIONS ARE SHOWN ON THE SHOP DRAWINGS FOR APPLICABLE PARTS. ALL OTHER CONDITIONS CAN BE LIFTED WITH THE USE OF THE FOLLOWING METHODS:
  - CONTINUOUS RUNNING STRIPS OR BY TENSIONING COMPONENTS WITH MENDED PRACTICES FOR FIBERGLASS REINFORCED PLASTIC ARCHITECTURAL PRODUCTS" AS ISSUED BY THE COMPOSITE FABRICATORS ASSOCIATION (VFCA). STRIPS MUST BE RATED FOR APPLICABLE LOADS.
  - A FBP WILL BE FABRICATED IN COMPLIANCE WITH STANDARDS SET BY THE VFCA IN "GUIDELINES AND RECOMMENDED PRACTICES FOR FIBERGLASS REINFORCED PLASTIC ARCHITECTURAL PRODUCTS" WITH STANDARDS SET BY THE VFCA IN "GUIDELINES AND RECOMMENDED PRACTICES FOR FIBERGLASS REINFORCED GYPSUM ARCHITECTURAL PRODUCTS".

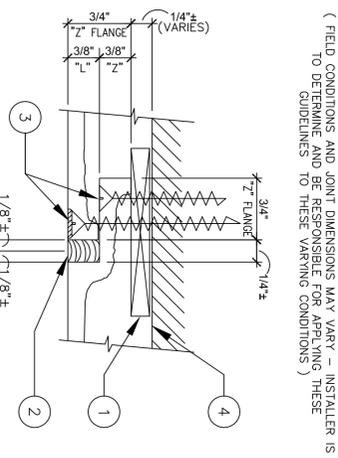
- ANY PROPOSED CHANGES IN THE SCOPE OF WORK, OR VARIATION TO CONDITIONS OF WORK, SHALL BE IN WRITING. ANY CHANGES, INCLUDING AS CHANGE ORDERS AND SHOP DRAWINGS, ARE TO BE PROCESSED IN WRITING AS CHANGE ORDERS. CONSTRUCTION CHANGE DIRECTIVES, R.F.I.'s, ETC., FCBP WILL ONLY PROCEED WITH ANY REVISIONS PURSUANT TO RECEIPT OF WRITTEN DOCUMENTATION AS ISSUED BY THE CONTRACTOR.
- THE INSTALLER/CONTRACTOR SHALL PERFORM NO PORTION OF THE WORK REFERENCING SUBMITTALS AND REVIEW OF SHOP DRAWINGS. PRODUCT DATA HAVE BEEN APPROVED BY THE ARCHITECT AND GENERAL CONTRACTOR. SUCH WORK WILL BE IN ACCORDANCE WITH APPROVED SUBMITTALS.
- APPROVAL OF THESE SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS, REPRESENTS THAT THE CONTRACTOR HAS DETERMINED AND VERIFIED MATERIALS, FIELD MEASUREMENTS, AND FIELD CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- FCBP PRODUCTS AS SUPPLIED BY FCBP ARE NOT INTENDED OR WARRANTED TO BE USED AS A WATER PROOFING MEMBRANE, ALTHOUGH WEATHER RESISTANT. MATERIAL SUPPLIED BY FCBP IS INTENDED TO BE USED AS A DECORATIVE ARCHITECTURAL FEATURE ONLY.
- NO CHANGES ARE TO BE MADE TO THESE DRAWINGS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF FCBP.
- FCBP PRODUCTS ARE TO BE DELIVERED TO THE SITE WITHIN 48 HOURS OF DELIVERY. FCBP IS NOT AN ENGINEERING COMPANY AND DOES NOT OFFER SAID PROFESSIONAL SERVICES. ANY STRUCTURAL REVIEW CERTIFICATION REQUIREMENTS MUST BE DONE THROUGH A LICENSED STRUCTURAL ENGINEER.
- THE CONTRACTOR AND / OR THE INSTALLER IS RESPONSIBLE FOR THE PROPER STORAGE AND PROTECTION OF THE MATERIAL ON-SITE. IMPROPER STORAGE AND PROTECTION MAY RESULT IN WARPING, BOWING, PHYSICAL DAMAGE AND/OR DISCOLORATION OF THE MATERIAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP. CLEAN SOLID PPE SURFACES WITH DETERGENT AND WARM WATER. USING SOFT FIBER BRUSHES AND SPONGES, AND THOROUGHLY RINSED WITH CLEAN WATER.

## PHYSICAL PROPERTIES

### FIBER REINFORCED PLASTIC (FRP)

DESCRIPTION: FIBERGLASS REINFORCED ACRYLIC RESIN	DESCRIPTION: FIBERGLASS REINFORCED ACRYLIC RESIN
1. PRE-MOLDED FRP PARTS ARE FABRICATED TO DETAILS AND DIMENSIONS SHOWN.	1. PRE-MOLDED FRP PARTS ARE FABRICATED TO DETAILS AND DIMENSIONS SHOWN.
2. FINISH PRODUCT SHALL CONFORM TO THE FOLLOWING STANDARDS:	2. FINISH PRODUCT SHALL CONFORM TO THE FOLLOWING STANDARDS:
PHYSICAL PROPERTIES OF 1ST CLASS BUILDING PRODUCTS FIBERGLASS	PHYSICAL PROPERTIES OF 1ST CLASS BUILDING PRODUCTS FIBERGLASS
SHEAR STRENGTH, psi #2	7500
FLEXURAL STRENGTH, psi	20,000
TENSILE STRENGTH x 10 psi	830
TENSILE STRENGTH x 10, psi	8,300
Glass Content	2.1%
ATH Content	14.9
ATH Content	43.5
RESIN CONTENT	41.6
COMPRESSIVE STRENGTH, psi	29,832
ASTM E-84	25
SMOKE	80
THICKNESS, inches	0.190
DENSITY, lbs./ft.	110

## TYPICAL INSTALLATION INSTRUCTIONS



## KEYNOTES

- SHIM BLOOMING AT JOINTS WITH TYPICAL SCREEN DEPTH MAY VARY - AS NEEDED - TYPICAL (BY OTHERS)
- APPLY CONTINUOUS PAINTABLE CAULK (PER PROJ SPEC) AT ALL "Z" JOINTS AS SHOWN, BEFORE INSTALLING THE NEXT PART ("L" SIDE OF ADJACENT PART). MAKING SURE TO GET FULL COVERAGE OF SEALANT TO ASSIST WITH OVERALL WEATHER-TIGHT CONDITIONS. SHOULD SOUND WEATHERED THE CONSTRUCTION OF ATTACHMENT IS NOT TO BE CONSIDERED AS WEATHER-PROOFING FIELD AND APPROVED CONSTRUCTION METHODS ARE STILL TO BE OBSERVED.
- PRE-DRILL, CSNK, NO. 12 CORROSIIVE RESISTANT SCREWS AT LOCATIONS INDICATED. FINISH FLUSH AND SMOOTH - WHERE OCCURS - TYPICAL (BY OTHERS)
- DASHED LINE INDICATES FACE OF SOLID - RIGID - STRUCTURALLY SOUND INTERNAL FRAMING SYSTEM
- TYPICAL SCREWS AT JOINTS ONLY.
- TYPICAL SCREWS AND BLOOMING TO PULL "Z" SIDE OF PART TO "L" SIDE OF PART
- FINISH FLUSH AND SMOOTH - TYPICAL (BY OTHERS)
- CONT SEALANT AND/OR BACKER ROD - TYPICAL (BY OTHERS)
- FIELD CUT TO FIT AS NEEDED (BY OTHERS)
- PNEUMATIC, PIN HEAD NAILS AS NEEDED - TYP (BY OTHERS)
- CONT STRUCTURAL ADHESIVE (BY OTHERS)

## NOTE:

- ALL BLOOMING MEMBERS SUPPLIED BY OTHERS SHOULD BE PRESSURE TREATED WHEN APPLICABLE (TYPICAL THROUGHOUT PROJECT)
- SHIM BLOOMING AT JOINTS WITH TYPICAL SCREEN DEPTH MAY VARY - AS NEEDED - TYP (BY OTHERS)
  - APPLY CONTINUOUS PAINTABLE CAULK (PER PROJECT SPEC) AT ALL "Z" JOINTS AS SHOWN, BEFORE INSTALLING THE NEXT PART ("L" SIDE OF ADJACENT PART). MAKING SURE TO GET FULL COVERAGE OF SEALANT TO ASSIST WITH OVERALL WEATHER-TIGHT CONDITIONS. SHOULD SOUND WEATHERED THE CONSTRUCTION OF ATTACHMENT IS NOT TO BE CONSIDERED AS WEATHER-PROOFING FIELD AND APPROVED CONSTRUCTION METHODS ARE STILL TO BE OBSERVED.
  - PRE-DRILL, CSNK, NO. 12 CORROSIIVE RESISTANT SCREWS AT LOCATIONS INDICATED. FINISH FLUSH AND SMOOTH - WHERE OCCURS - TYPICAL (ALL OTHERS)
  - DASHED LINE INDICATES FACE OF SOLID - RIGID - STRUCTURALLY SOUND INTERNAL FRAMING SYSTEM
  - TYPICAL SCREWS AT JOINTS ONLY.
  - TYPICAL SCREWS AND BLOOMING TO PULL "Z" SIDE OF PART TO "L" SIDE OF PART
  - FINISH FLUSH AND SMOOTH - TYPICAL (BY OTHERS)
  - CONT SEALANT AND/OR BACKER ROD - TYPICAL (BY OTHERS)
  - FIELD CUT TO FIT AS NEEDED (BY OTHERS)
  - PNEUMATIC, PIN HEAD NAILS AS NEEDED - TYP (BY OTHERS)
  - CONT STRUCTURAL ADHESIVE (BY OTHERS)

## SHEET INDEX

SHEET NO.	DESCRIPTION
C1	PROJECT COVER SHEET
F1	PLAN FOR FLAT PANEL - 2ND FLOOR
F2	PLAN FOR FLAT PANEL • 8TH FLOOR
F3	ENLARGED PLANS
F4	PLAN - HEAD, SOFFIT AND FASCIA • 8TH FLR
F4A	ENLARGED PLANS
F4B	ENLARGED PLANS
F4C	ENLARGED PLANS
F4D	ENLARGED PLANS
F5	WEST AND NORTH ELEVATIONS
F6	EAST AND EAST END ELEVATIONS
F7	SOUTH AND SOUTH END ELEVATIONS
P1	FRP CORNER PILASTER W/ CAP AND BASE
P2	FRP PILASTER W/ CAP AND BASE
P3	FRP CORNER PILASTER W/ CAP AND BASE
P4	FRP PILASTER W/ CAP AND BASE
P5	FRP CORNER PILASTER W/ CAP, NO BASE
P6	FRP PILASTER W/ CAP, NO BASE
P7	FRP PENGOLA RAFTER TAIL
P8	FRP CORNER PILASTER W/ CAP AND BASE
P9	FRP PILASTER W/ CAP AND BASE
P10	FRP PILASTER W/ CAP AND BASE
P11	FRP ENTABLATURE CORNICE
P12	FRP FLAT PANEL • RAFTER TAILS
P13	FRP FASCIA
P13A	FRP SOFFIT TRIM
P14	FRP SOFFIT
P15	FRP HEAD • 8th FLOOR
P16	FRP WINDOW SURROUND - 2nd TO 7th FLR.
P17	FRP PANELS - 2nd TO 7th FLOOR
P17A	FRP PANELS - 8th FLOOR
P18	FRP ROOF CUPOLA - CORNICE
P18A	FRP ROOF CUPOLA - PILASTERS
P18B	FRP ROOF CUPOLA - LOWER PANELS
P19	FRP CHIMNEY CAPS
P19A	FRP CHIMNEY CAPS
P20	FRP TRASH CHUTE - CORNICE
P20A	FRP TRASH CHUTE - CORNICE
P20B	FRP TRASH CHUTE - CAP
P20C	FRP TRASH CHUTE - FLUE CAP

## SUBMITTAL HISTORY

- ISSUED FOR REVIEW - 12.13.13
- 5 ADDITIONAL SHEETS - 01/01/14
- REMOVED AND RESUBMITTED - 01/01/14
- REMOVED and RESUBMITTED - 02/07/14

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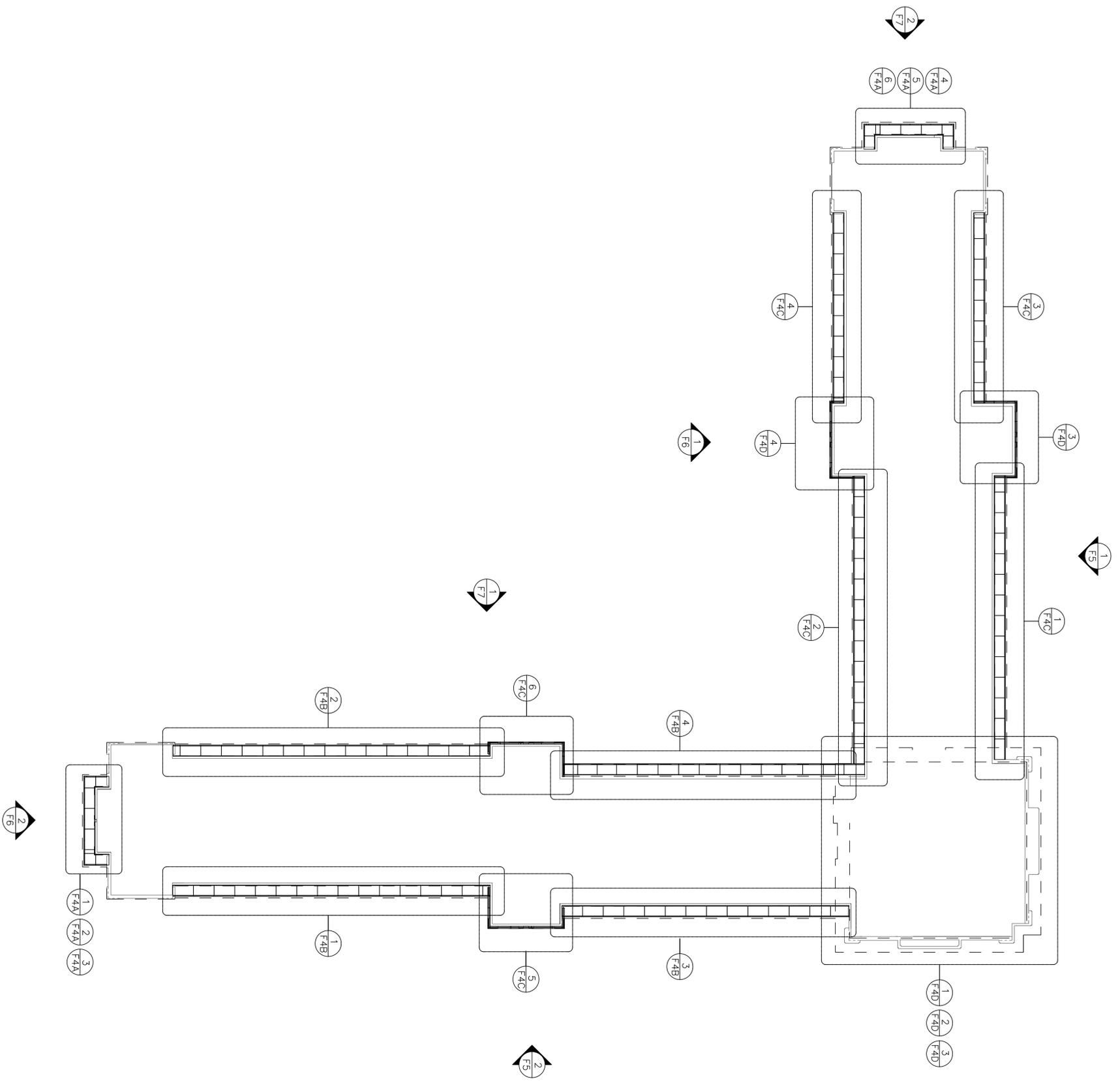
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ISSUED FOR REVIEW - 12.13.13  
5 ADDITIONAL SHEETS - 01/01/14  
REMOVED AND RESUBMITTED - 01/01/14  
REMOVED and RESUBMITTED - 02/07/14

LIBERTY UNIVERSITY  
C1







REFLECTED CEILING PLAN  
 SCALE: 1/16" = 1'-0"

PLAN FOR HEAD, SOFFIT AND FASCIA - 8TH FLOOR

DESIGN BY:	TAN
CHECKED BY:	M.S.
DATE:	12.13.13
SCALE:	AS SHOWN
DATE FILED:	LIBERTY_F4.DWG

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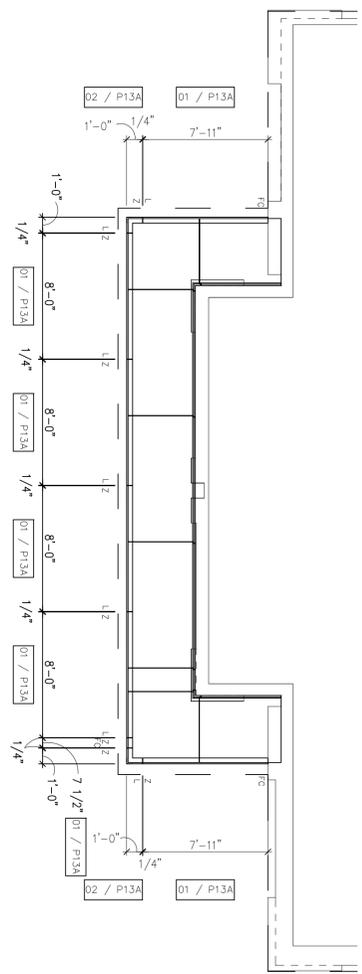
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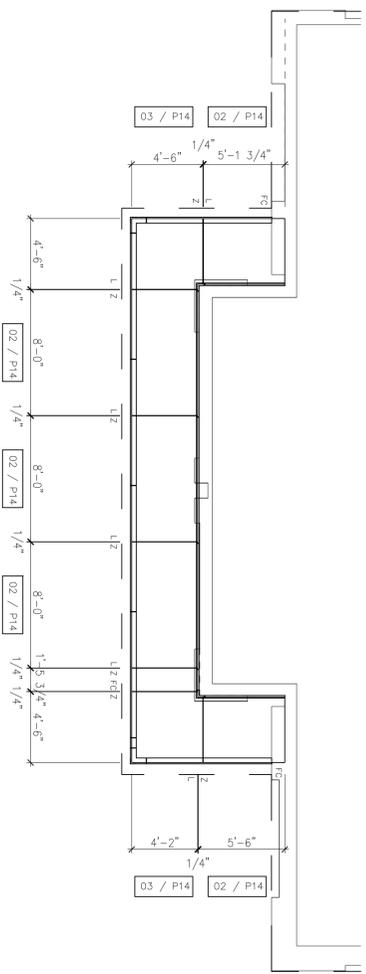
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**F4**

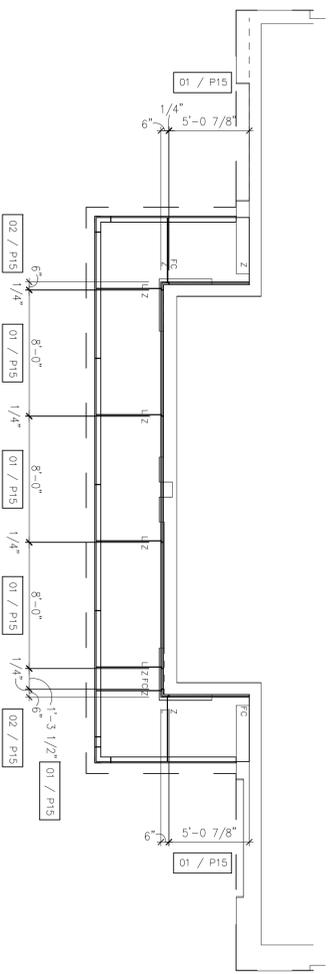
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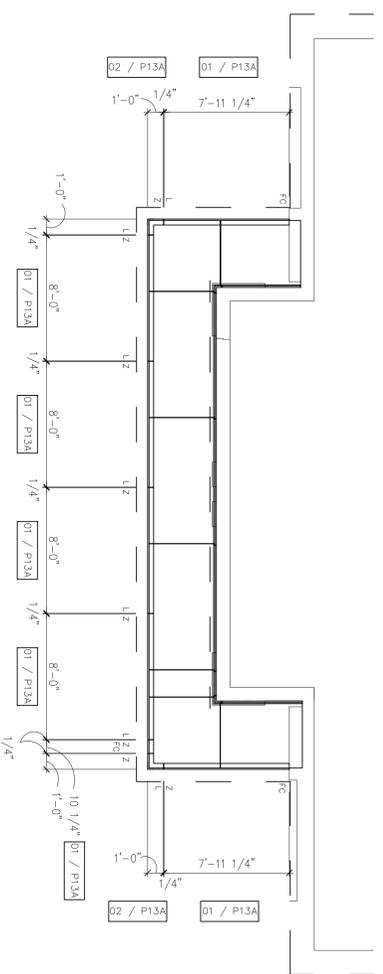
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SCALE: 1/4" = 1'-0"



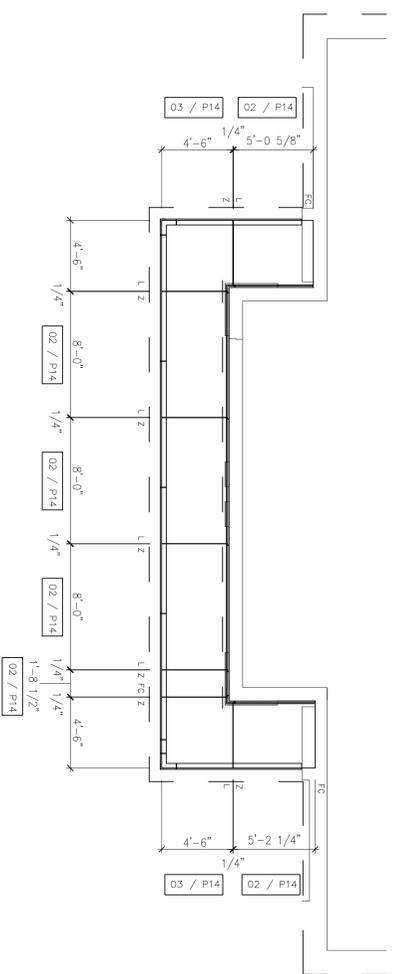
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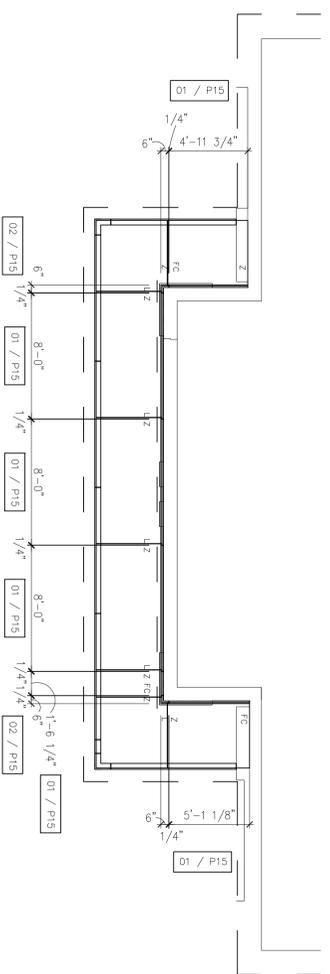
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SCALE: 1/4" = 1'-0"



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



5 ENLARGED VIEW  
SCALE: 1/4" = 1'-0"



6 ENLARGED VIEW  
SCALE: 1/4" = 1'-0"

ENLARGED PLANS FOR HEAD, SOFFIT AND FASCIA - 8TH FLOOR

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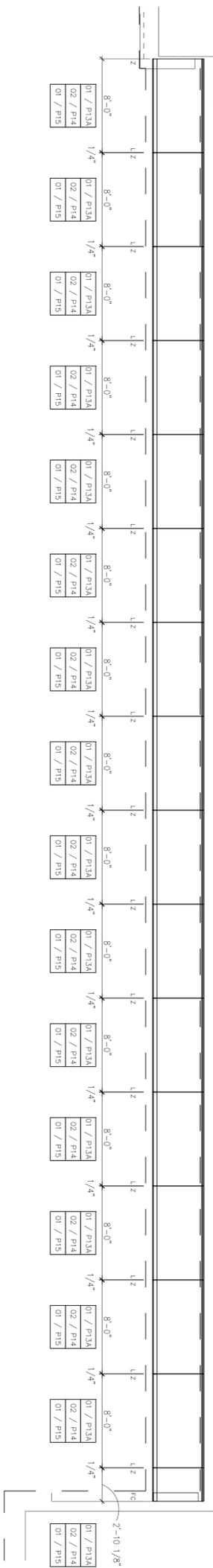
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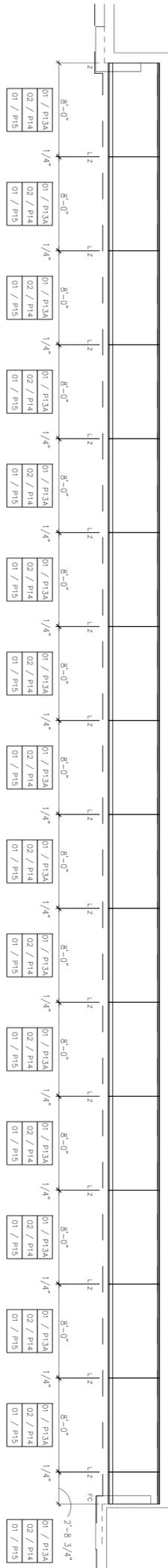
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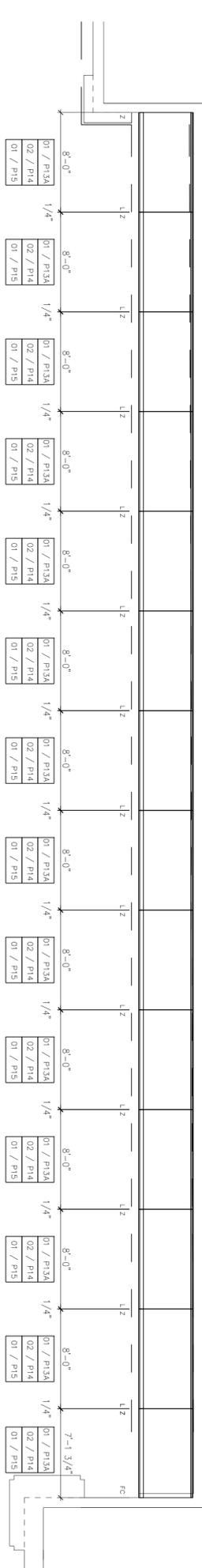
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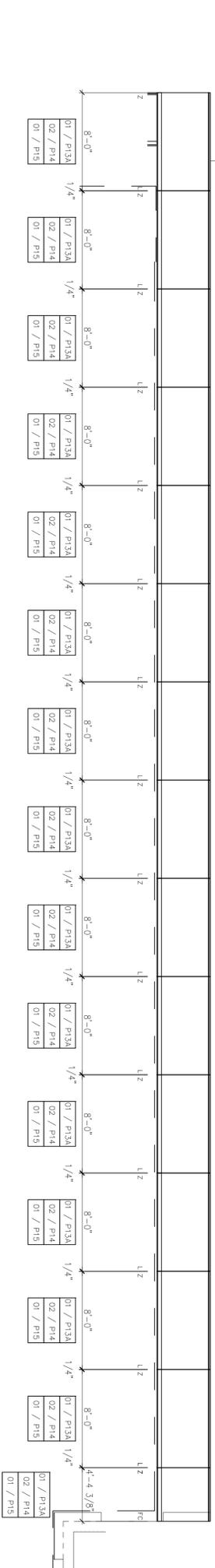
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2 ENLARGED VIEW  
SCALE: 1/4" = 1'-0"



3 ENLARGED VIEW  
SCALE: 1/4" = 1'-0"



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

ENLARGED PLANS FOR HEAD, SOFIT AND FASCIA - 8TH FLOOR

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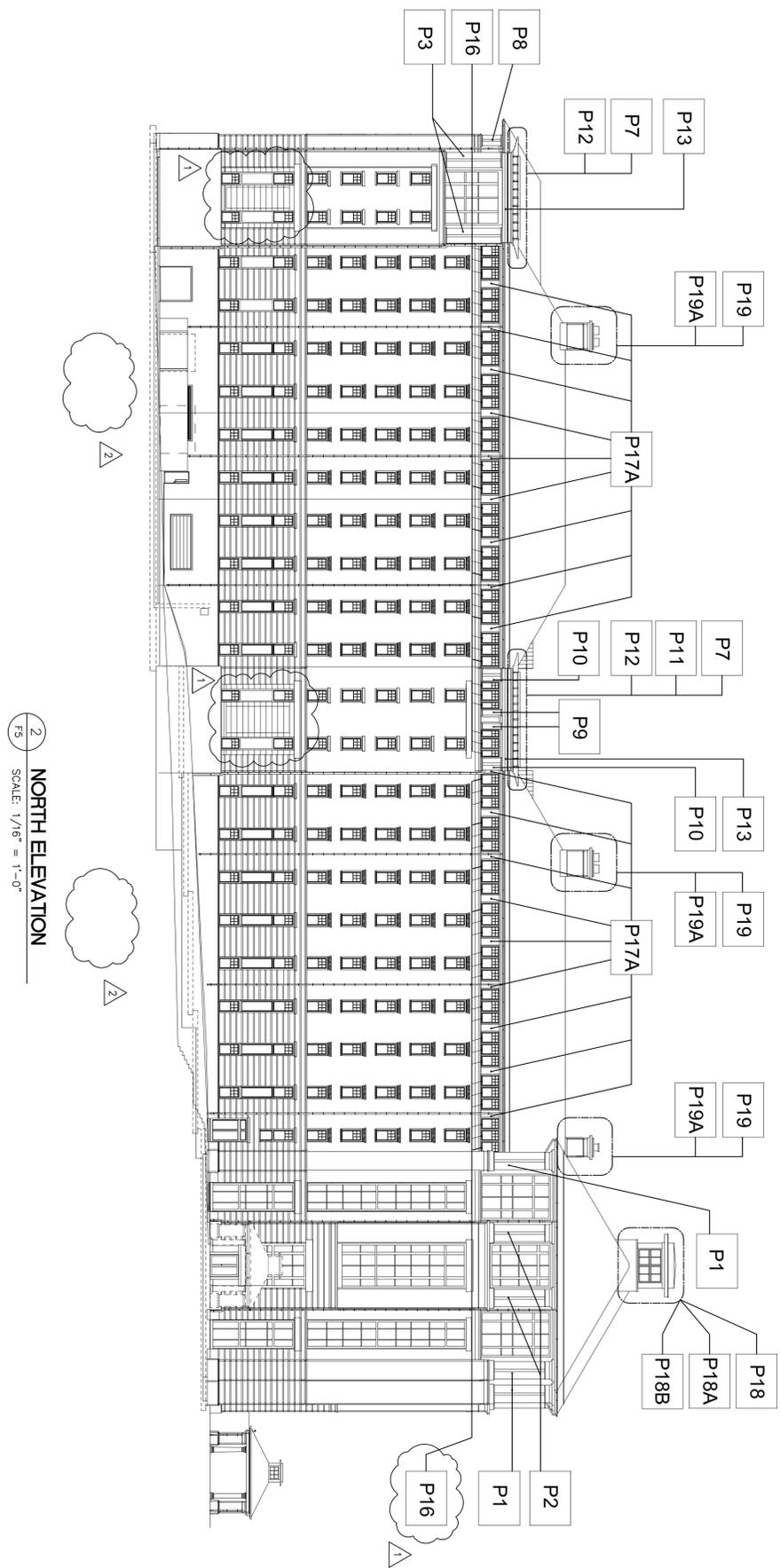
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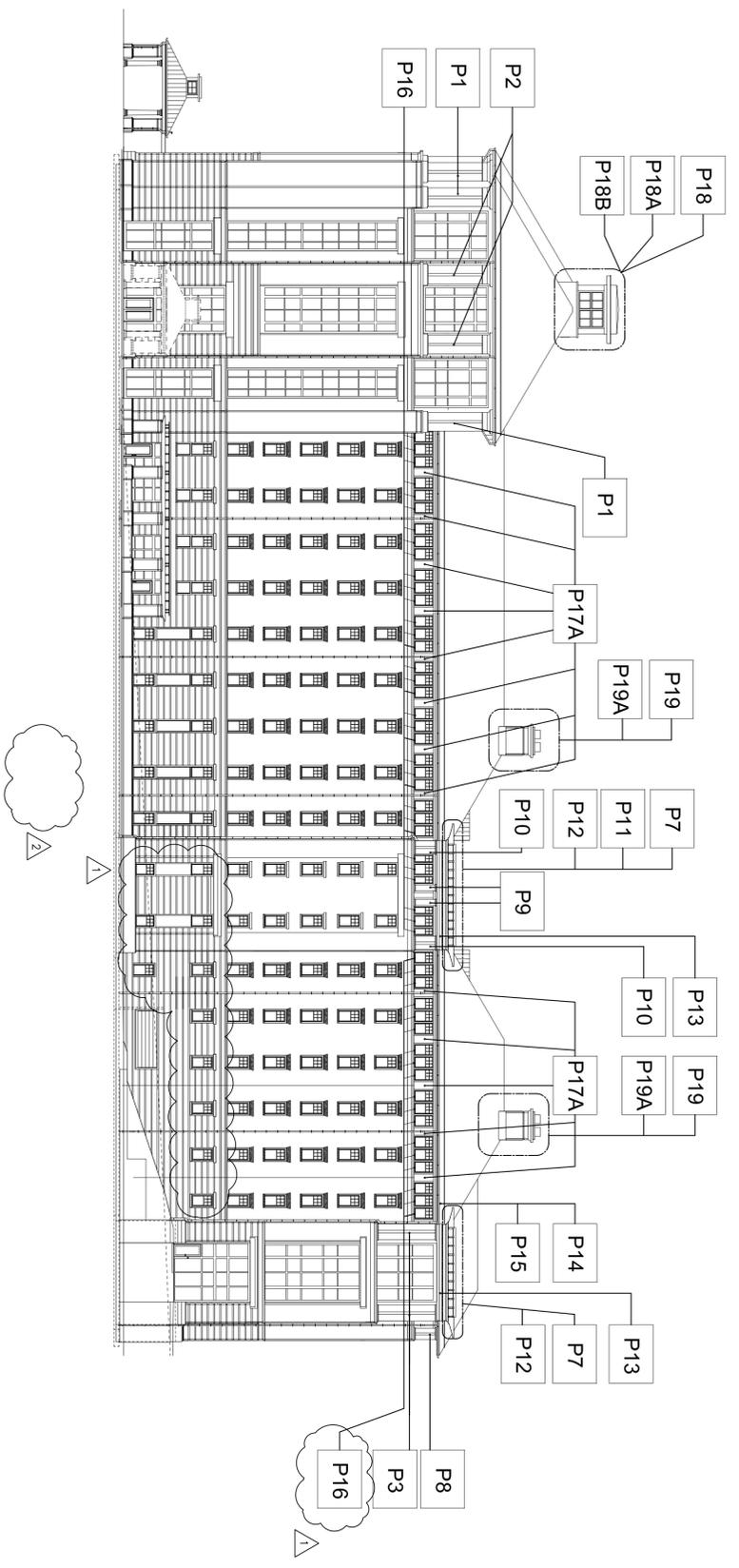






1 WEST ELEVATION  
FS SCALE: 1/16" = 1'-0"

2 NORTH ELEVATION  
FS SCALE: 1/16" = 1'-0"



1 WEST ELEVATION  
FS SCALE: 1/16" = 1'-0"

2 NORTH ELEVATION  
FS SCALE: 1/16" = 1'-0"

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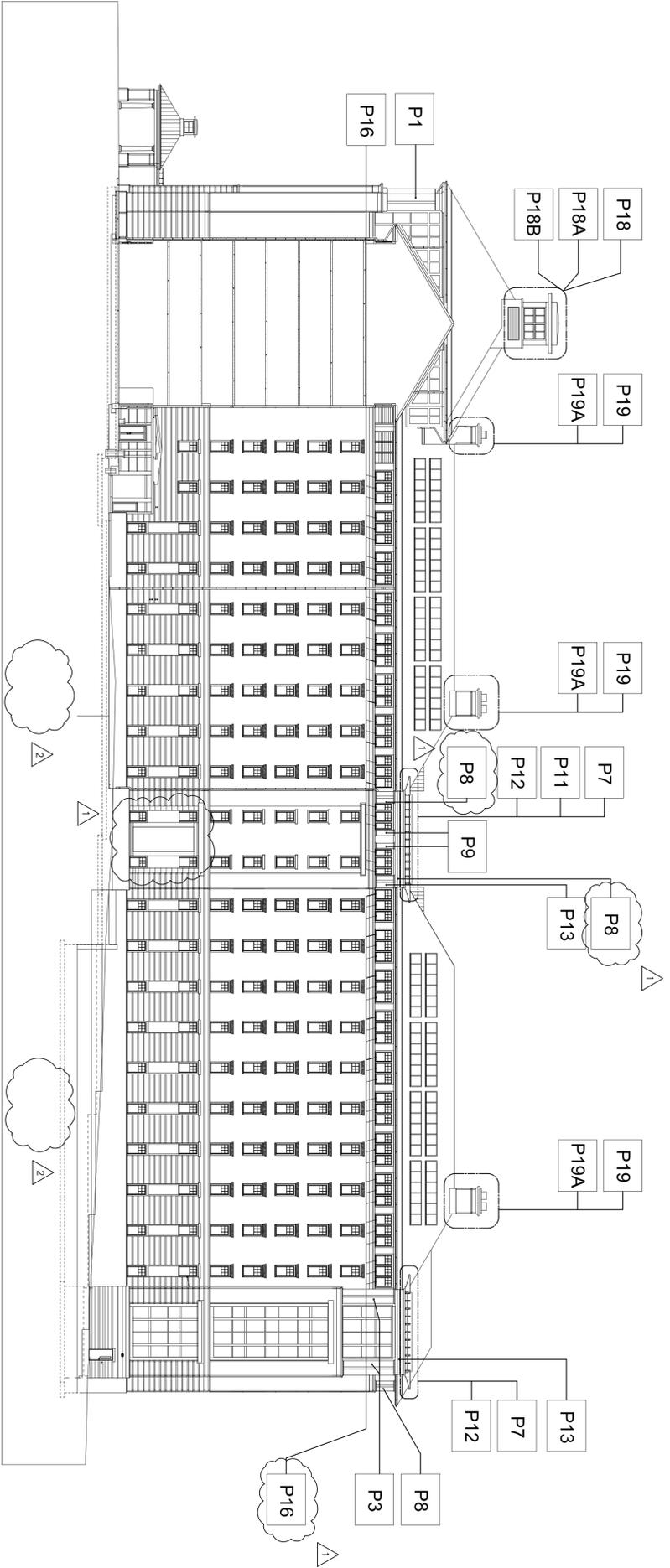
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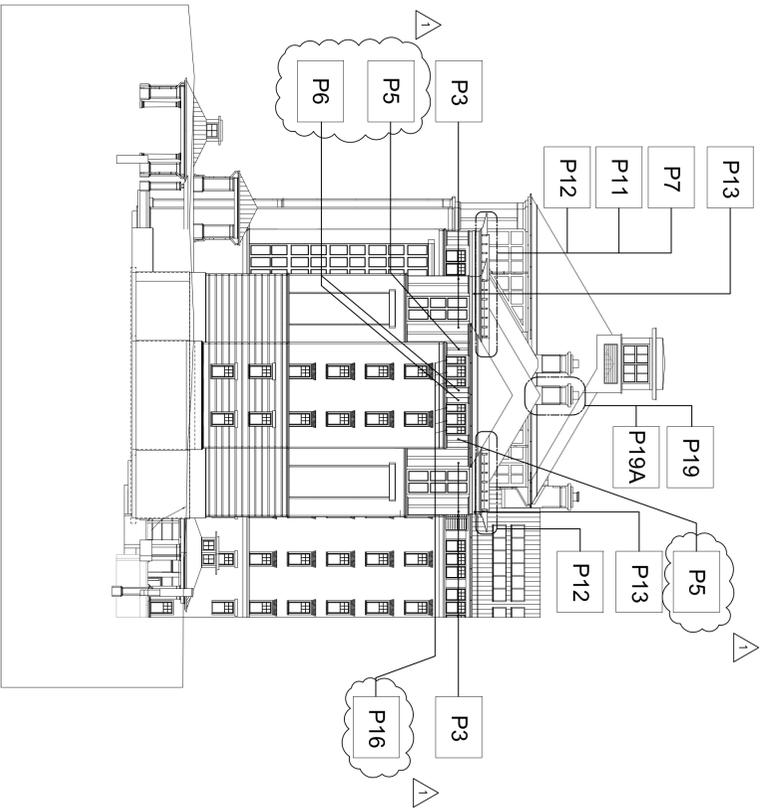
F5

ISSUANCE: 10 OF 48





1 SOUTH ELEVATION  
 F7 SCALE: 1/16" = 1'-0"



2 SOUTH END ELEVATION  
 F7 SCALE: 1/16" = 1'-0"

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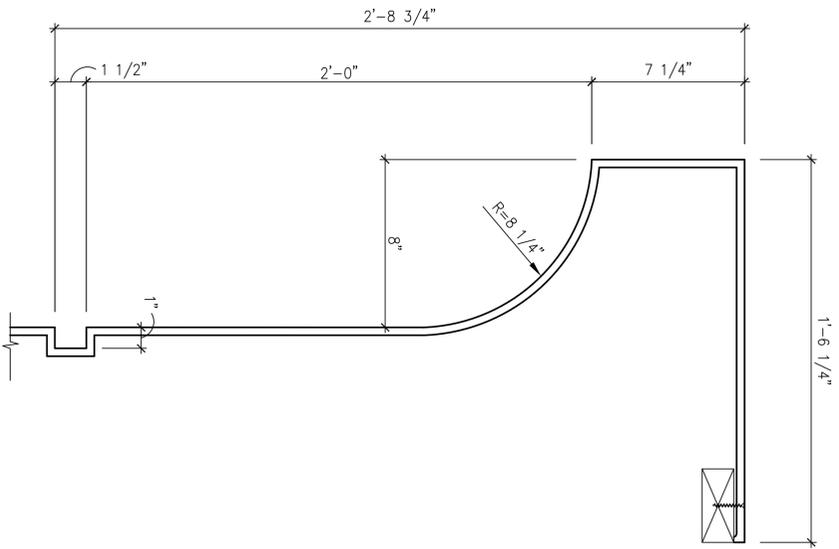
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F7

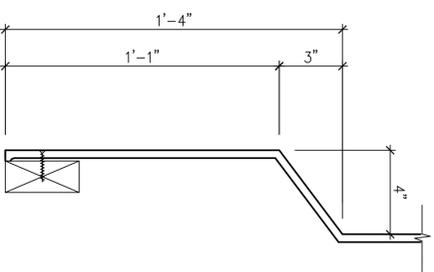
ISSUANCE: 12 OF 40



**CAPITAL DETAIL**

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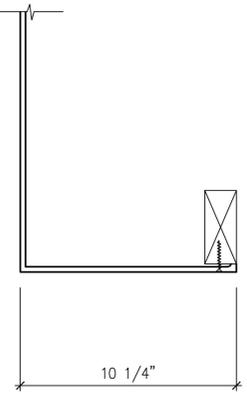
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**BASE DETAIL**

3"=1'-0"

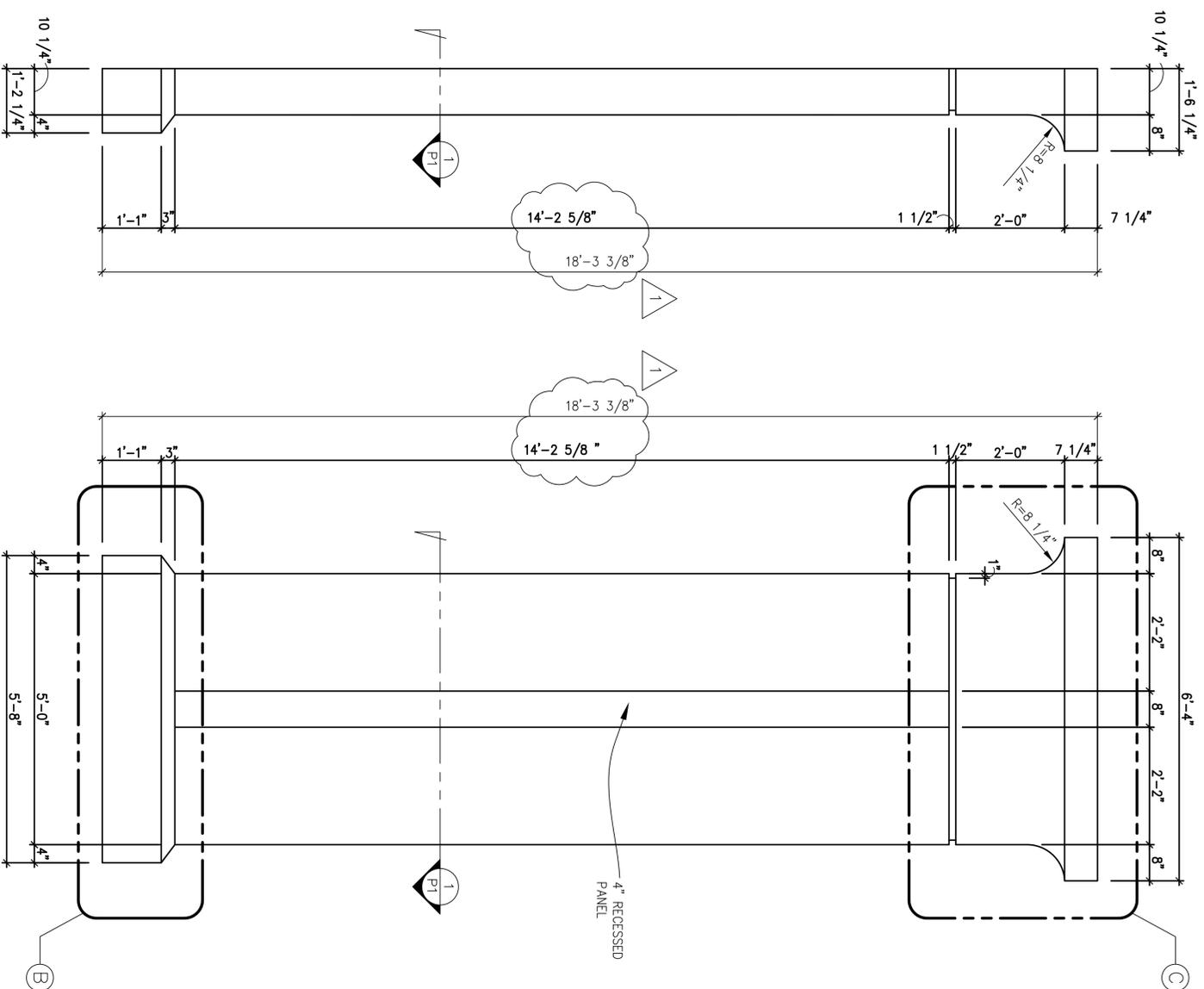
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**CONNECTION DETAIL**

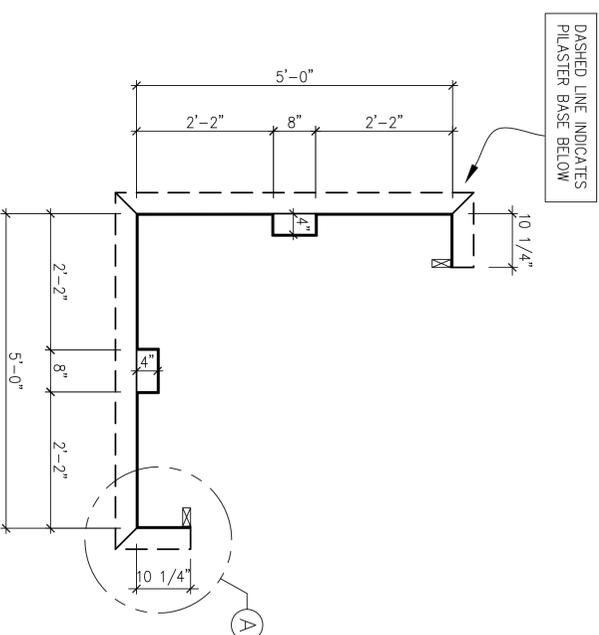
3"=1'-0"

**A**



**2** FACE FRONT ELEVATION  
SCALE: 3/4"=1'-0"

**3** EDGE SIDE ELEVATION  
SCALE: 3/4"=1'-0"



**1** PLAN VIEW  
SCALE: 3/4"=1'-0"

REQ'D : ( 4 )  
FRP PILASTER  
18'-3 3/8"H x 5'-0"SQ. x 10 1/4"D  
TOTAL : ( 4 )

FRP SMOOTH CORNER PILASTER WITH CAP AND BASE (FRP 1)

AS SHOWN

**1**

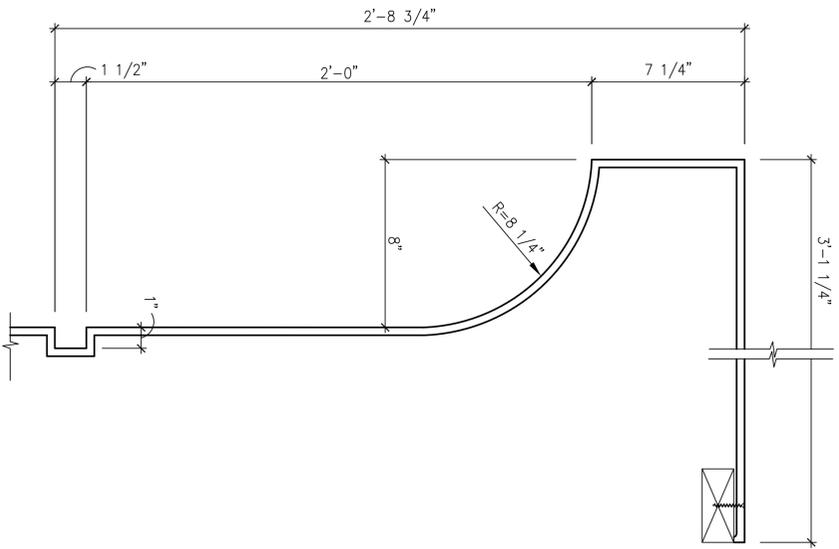
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<p><b>P1</b></p> <p>FORMING 13 OF 46</p>	<p>LIBERTY P1.DWG</p> <p>AS SHOWN</p> <p>DATE: 12/13/13</p> <p>DESIGNED BY: M.S.</p> <p>DRAWN BY: TAN</p>
--	---

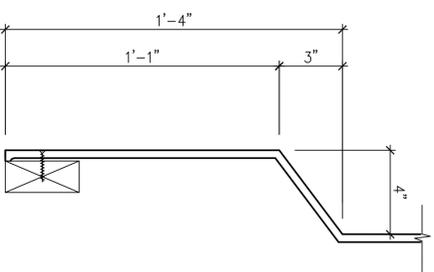
REVISION NO.	BY:



**CAPITAL DETAIL**

3'-1'-0"

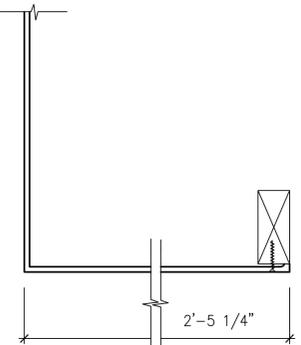
**C**



**BASE DETAIL**

3'-1'-0"

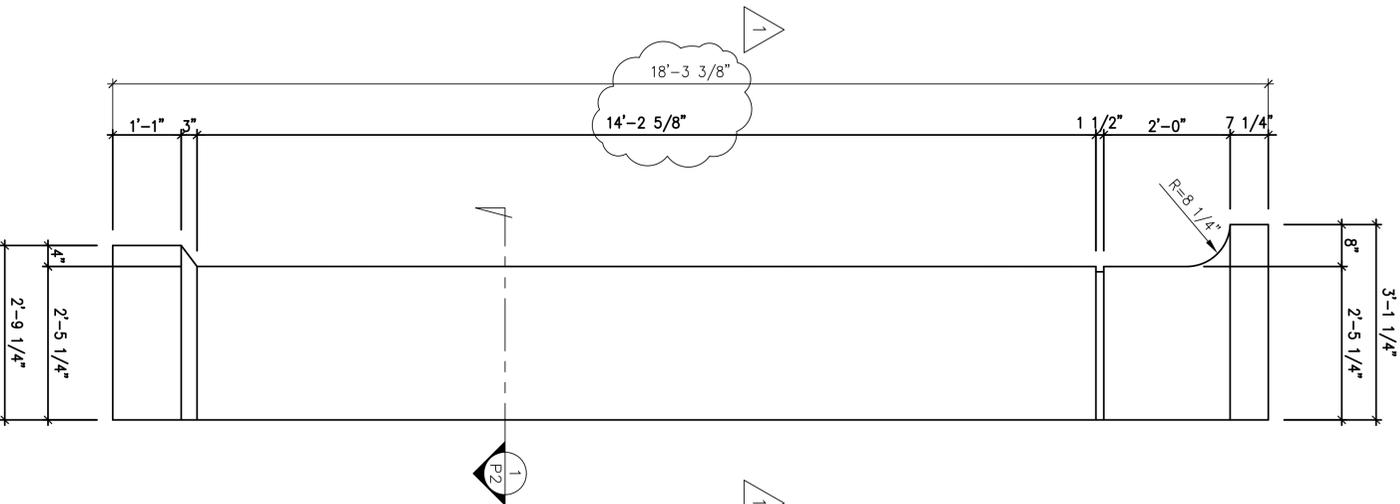
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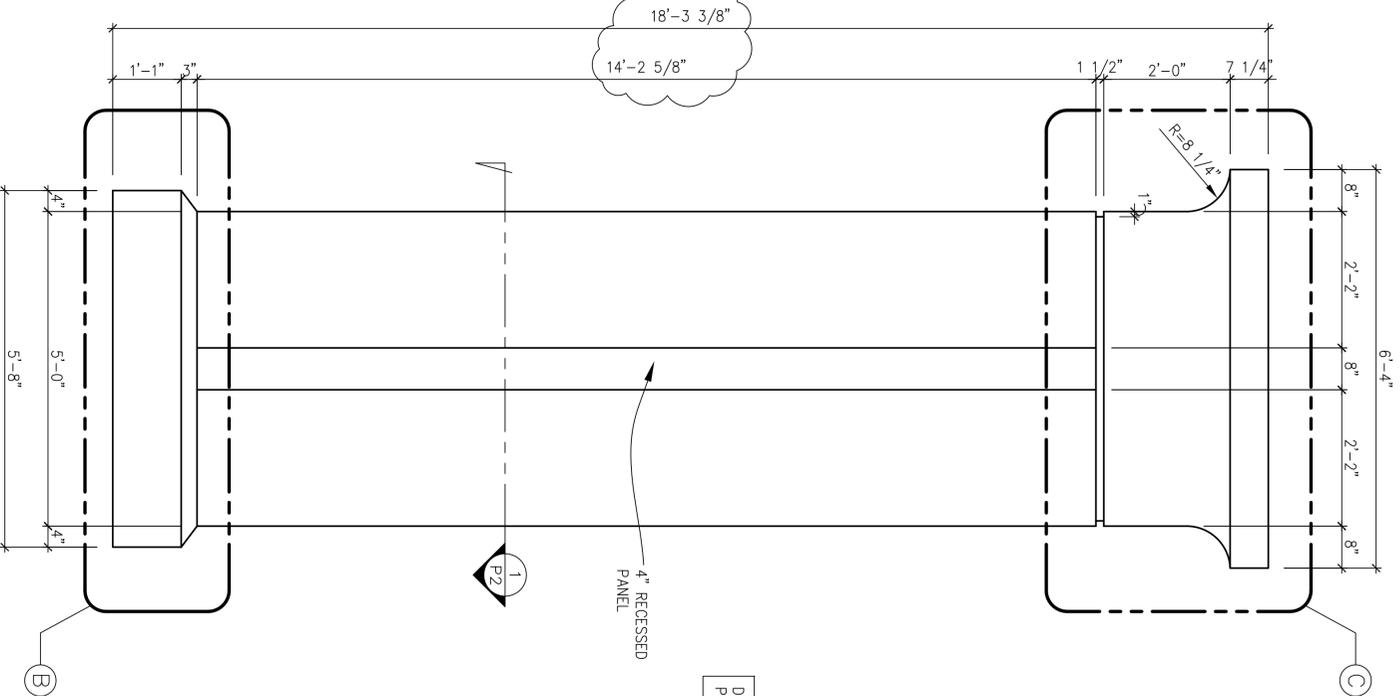
**CONNECTION DETAIL**

3'-1'-0"

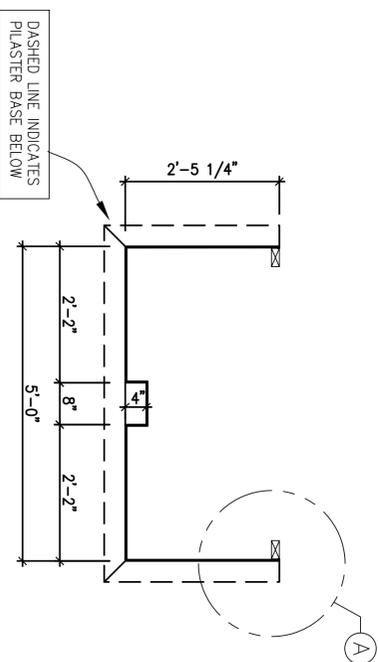
**A**



**3 SIDE ELEVATION**  
SCALE: 3/4"=1'-0"



**2 FACE FRONT ELEVATION**  
SCALE: 3/4"=1'-0"



**1 PLAN VIEW**  
SCALE: 3/4"=1'-0"

01 / P2

**FRP SMOOTH PILASTER WITH CAP AND BASE (FRP 2)**

AS SHOWN

**1**

REQ'D : ( 4 )  
DATE: 01 / P2  
FRP PILASTER  
18'-3 3/8"H x 5'-0"SQ. x 2'-5 1/4"D  
TOTAL : ( 4 )

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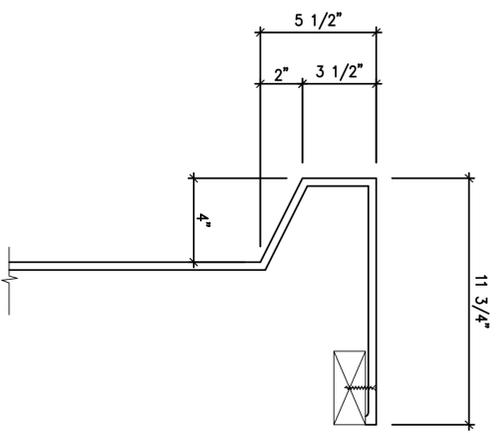
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REVISION NO.

BR:

DRAWN BY: TAN  
CHECKED BY: M.S.  
DATE: 12/13/13  
SCALE: AS SHOWN  
JOB FILE NO. LIBERTY\_P2.DWG

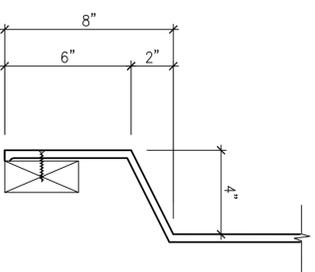
**P2**  
FORMING 14.07.06



CAPITAL DETAIL

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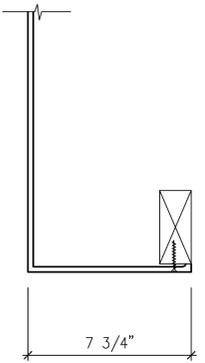
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BASE DETAIL

3"=1'-0"

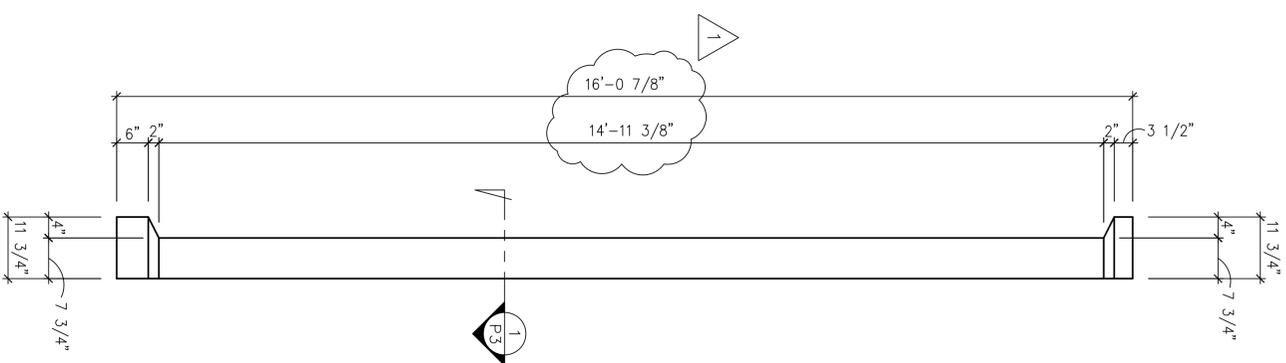
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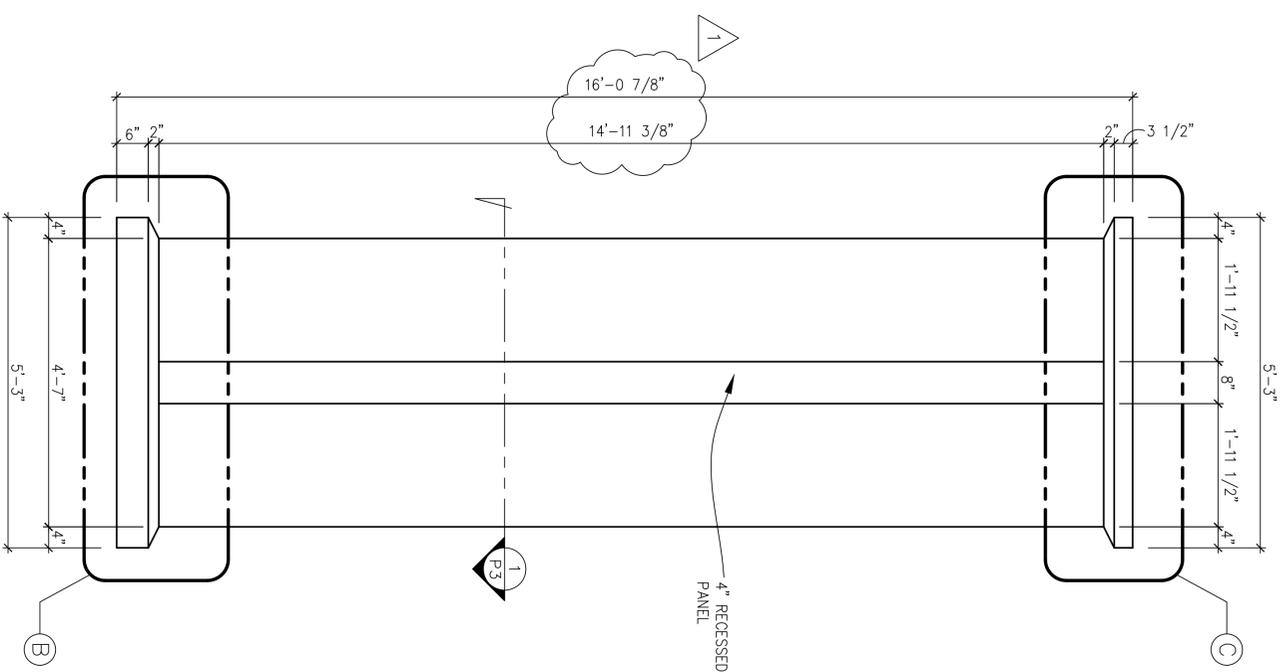
CONNECTION DETAIL

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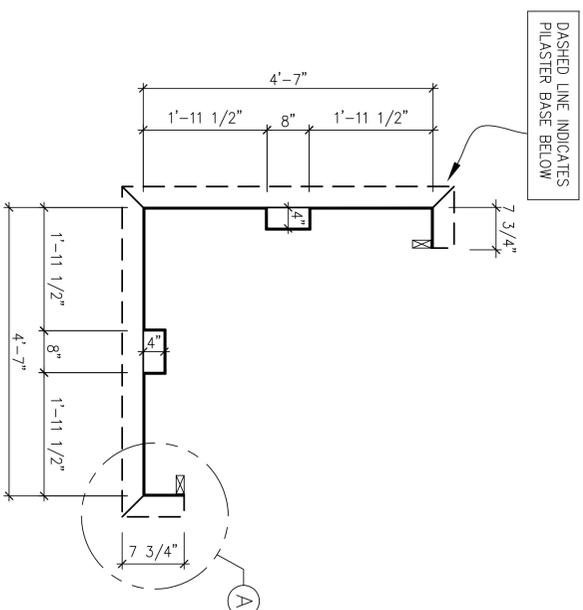
A



3 EDGE SIDE ELEVATION  
SCALE: 3/4"=1'-0"



2 FACE FRONT ELEVATION  
SCALE: 3/4"=1'-0"



1 PLAN VIEW  
SCALE: 3/4"=1'-0"

FRP SMOOTH CORNER PILASTER WITH CAP AND BASE (FRP 3)

REQ'D : ( 8 )  
TOTAL : ( 8 )

FRP CORNER PILASTER  
16'-0 7/8" H x 4'-7" SQ. x 7 3/4" D

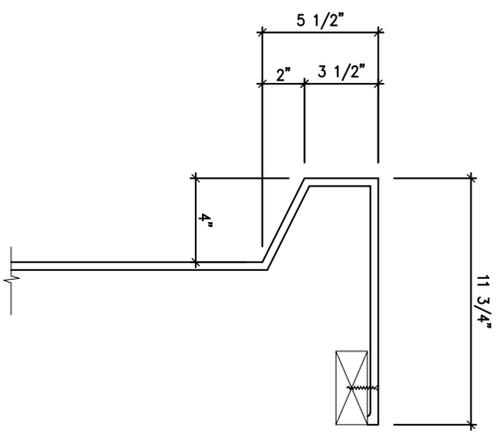
LIBERTY P3.DWG  
AS SHOWN  
DATE: 12.13.13  
ORDER BR: M.S.  
TAN  
DRAWN BY: TAN

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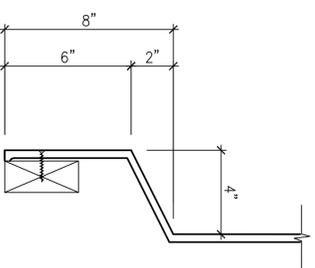
REVISION NO. BR:



CAPITAL DETAIL

3"=1'-0"

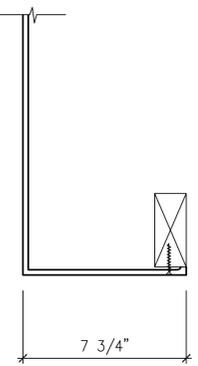
C



BASE DETAIL

3"=1'-0"

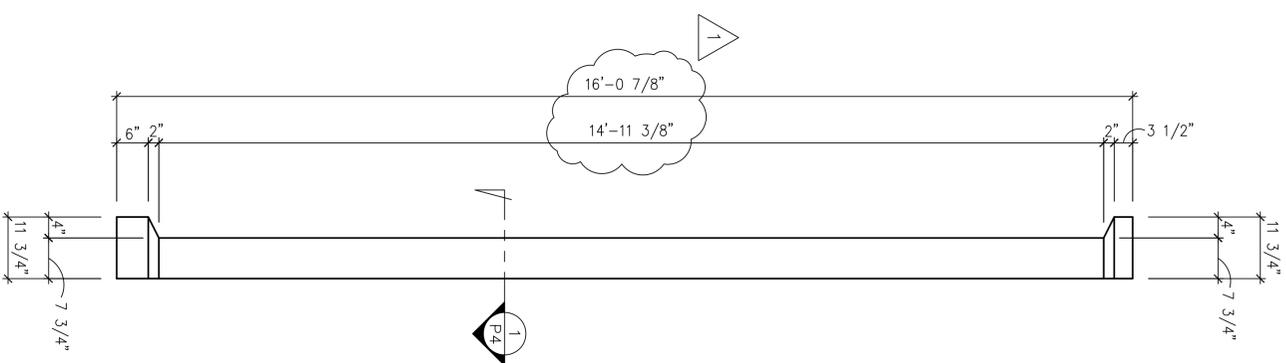
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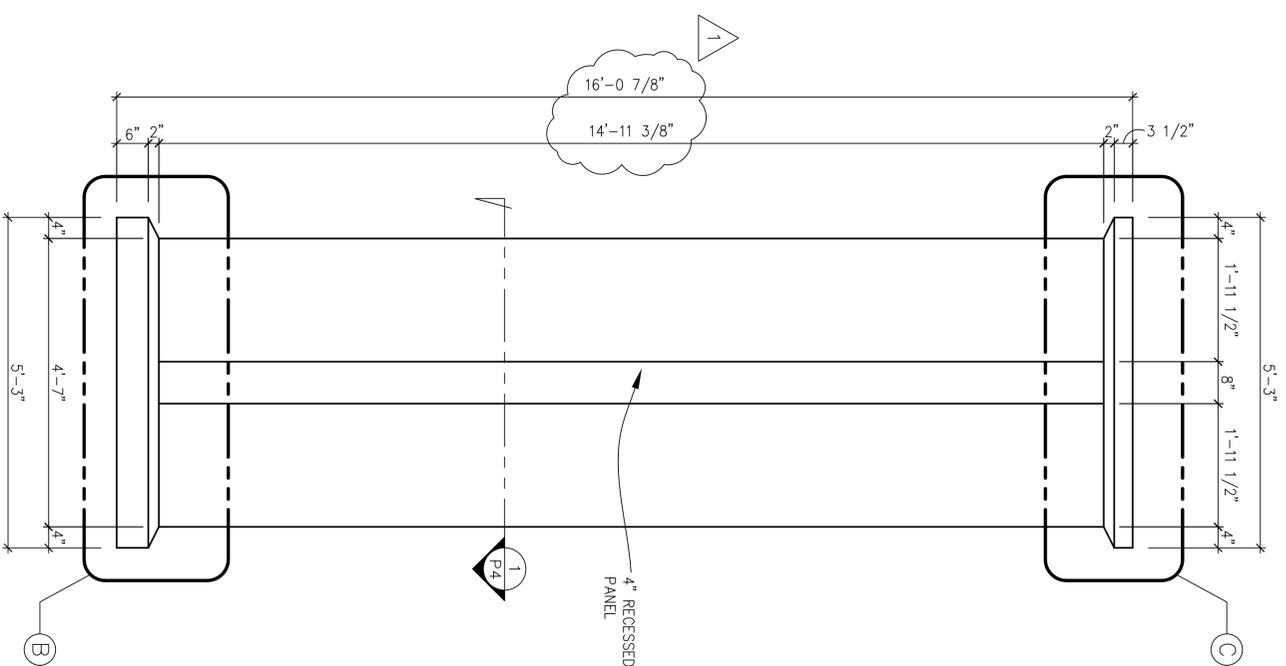
CONNECTION DETAIL

3"=1'-0"

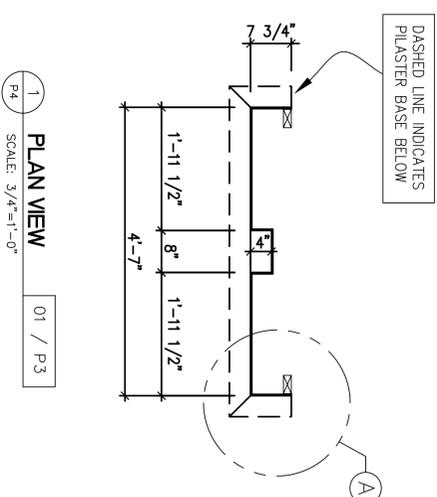
A



3 SIDE ELEVATION  
SCALE: 3/4"=1'-0"



2 FACE FRONT ELEVATION  
SCALE: 3/4"=1'-0"



1 PLAN VIEW  
SCALE: 3/4"=1'-0"

01 / P3

FRP SMOOTH PILASTER WITH CAP AND BASE (FRP 4)

TOTAL : ( 4 )

REQ'D : ( 4 )  
FRP PILASTER  
16'-0 7/8" H x 4'-7" SQ. x 7 3/4"D

1

AS SHOWN

1

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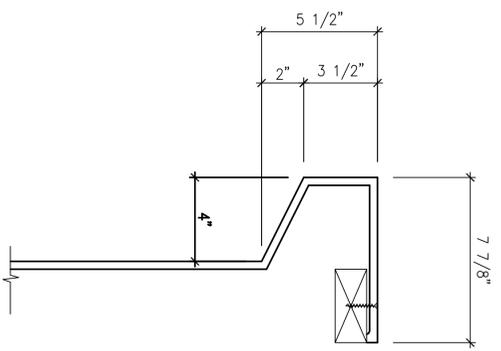
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P4

LIBERTY\_P4.DWG  
AS SHOWN  
12/13/13  
M.S.  
12/13/13

REVISION NO.

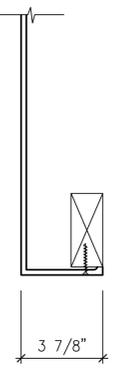
BR:



**CAPITAL DETAIL**

3"=1'-0"

**B**

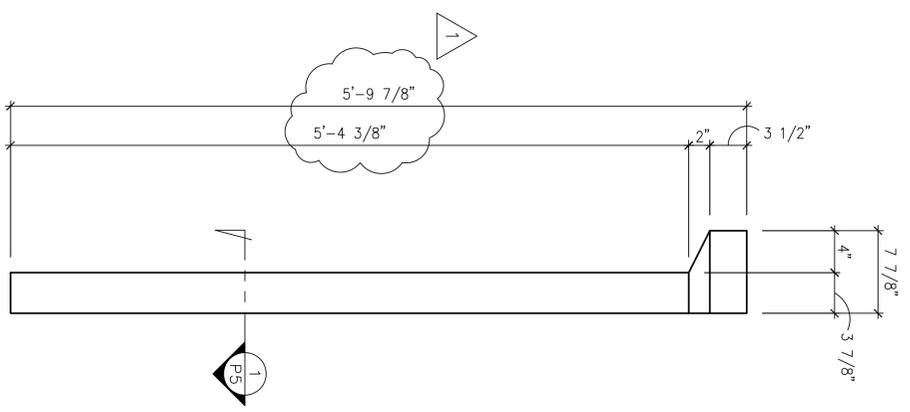


**CONNECTION DETAIL**

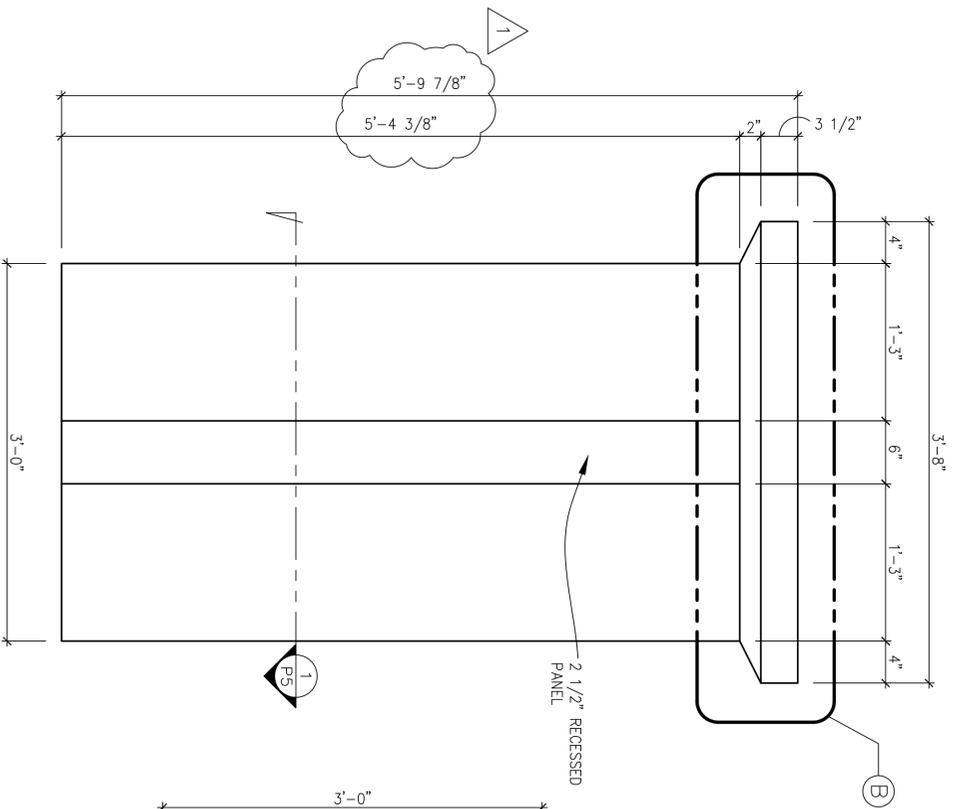
3"=1'-0"

**A**

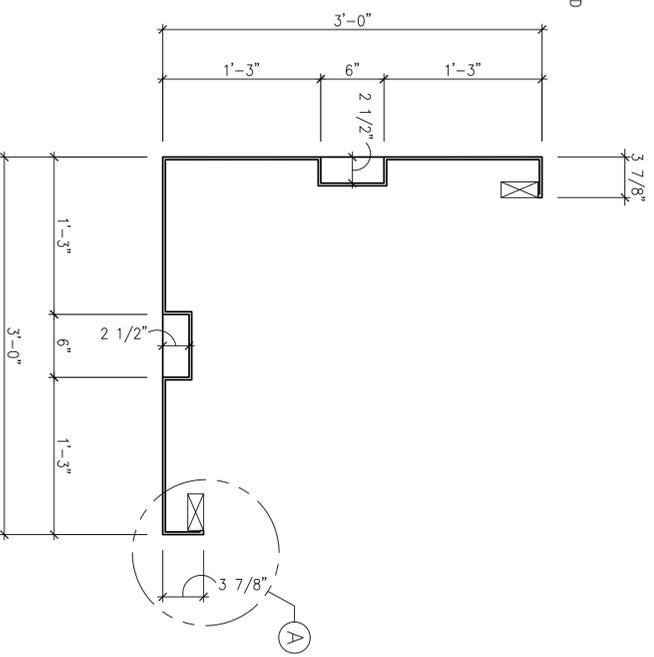
**3 SIDE ELEVATION**  
SCALE: 1 1/2"=1'-0"



**2 FRONT ELEVATION**  
SCALE: 1 1/2"=1'-0"



**1 PLAN VIEW**  
SCALE: 1 1/2"=1'-0"



REQ'D : ( 4 )  
FRP CORNER PILASTER  
5'-9 7/8"H x 3'-0"SQ. x 3 7/8"D

TOTAL : ( 4 )

**FRP SMOOTH CORNER PILASTER WITH CAP, NO BASE (FRP 5)**

AS SHOWN

**1**

DESIGN BY:	TAN
CHECKED BY:	M.S.
DATE:	12/13/13
SCALE:	AS SHOWN
CD FILE NO.:	LIBERTY_P5.DWG

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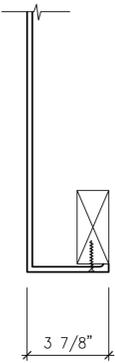
REVISION NO.	BY:

**P5**  
FORMING 17 OF 40

CONNECTION DETAIL

3"=1'-0"

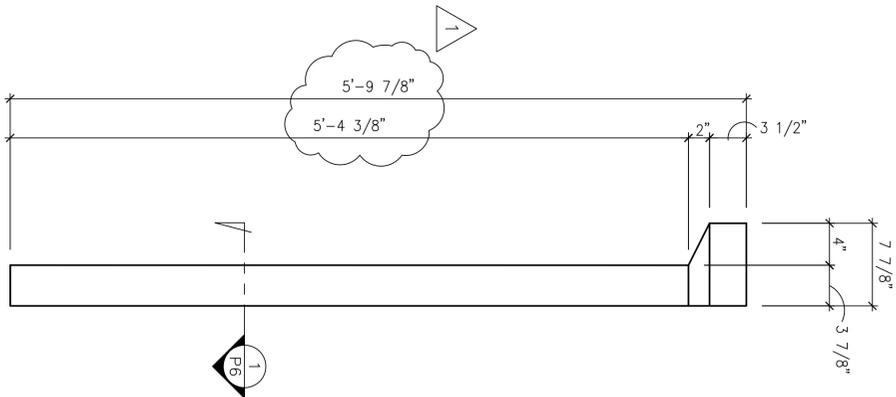
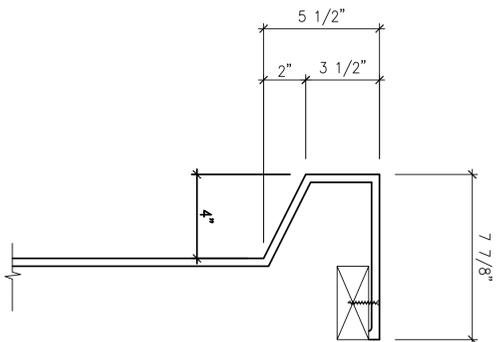
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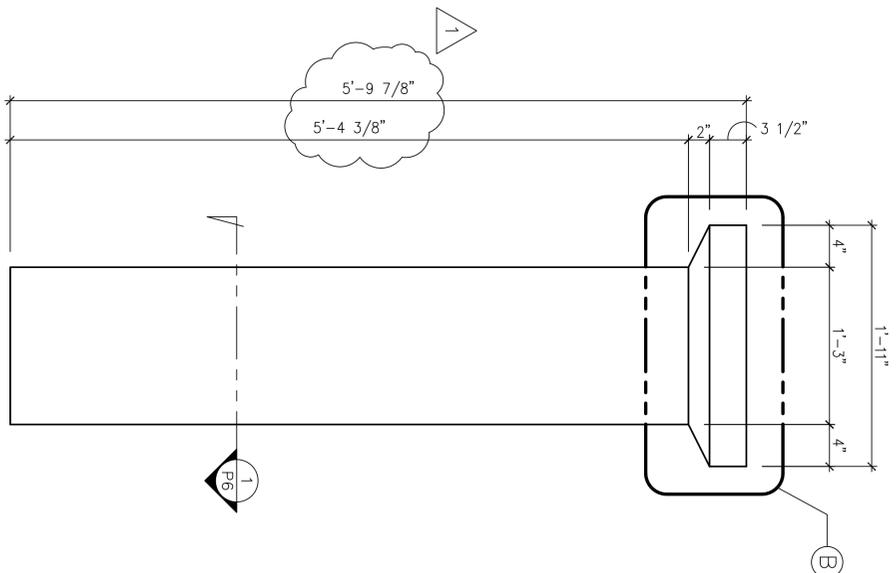
CAPITAL DETAIL

3"=1'-0"

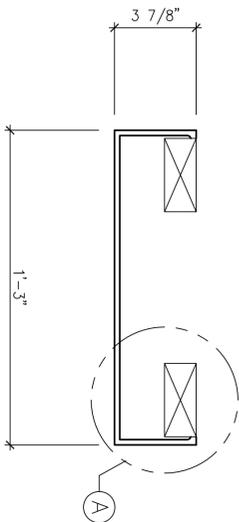
B



3 SIDE ELEVATION  
SCALE: 1 1/2"=1'-0"



2 FACE FRONT ELEVATION  
SCALE: 1 1/2"=1'-0"



1 PLAN VIEW  
SCALE: 3"=1'-0"

FRP SMOOTH PILASTER WITH CAP, NO BASE (FRP 6)

AS SHOWN

1

REQ'D : ( 4 )  
TOTAL : ( 4 )

FRP PILASTER  
5'-9 7/8" H x 1'-3" W x 3 7/8" D

1

FIRST CLASS BUILDING PRODUCTS

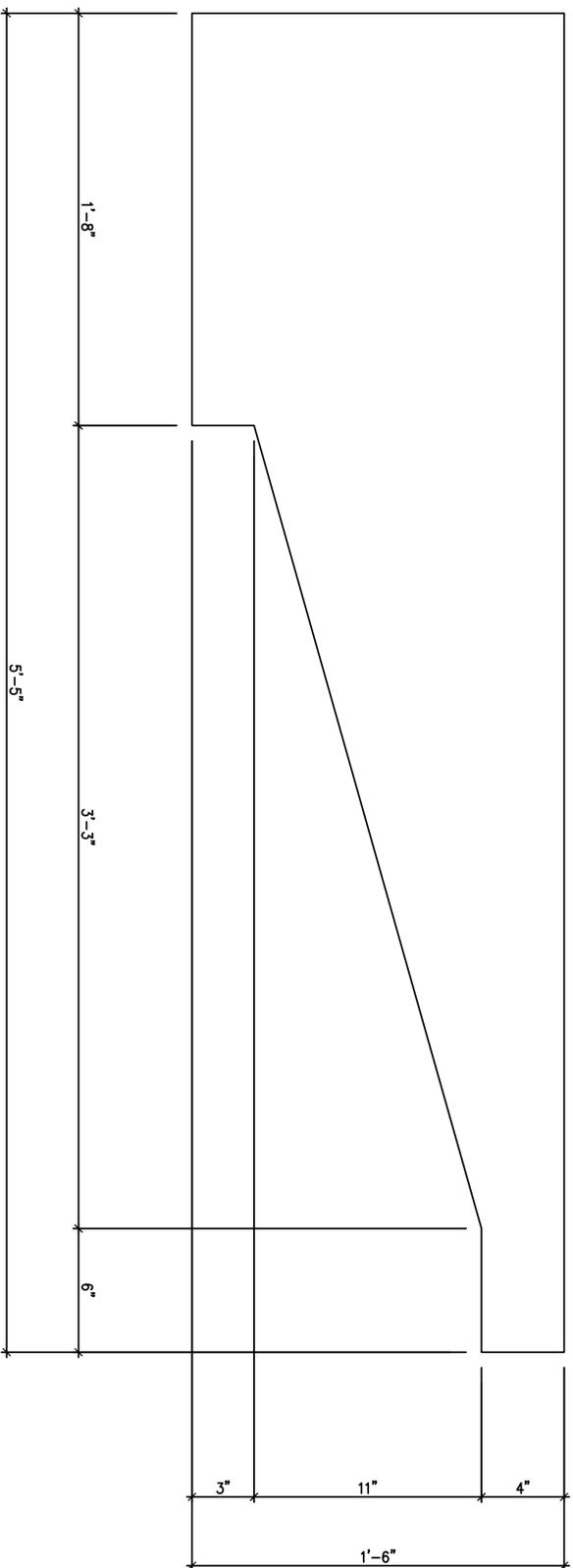
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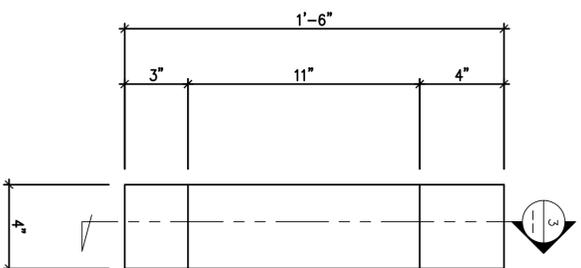

**P6**

LIBERTY\_P6.DWG  
DATE: 12/13/13  
SCALE: AS SHOWN  
CADD FILE NO.  
LIBERTY\_P6.DWG

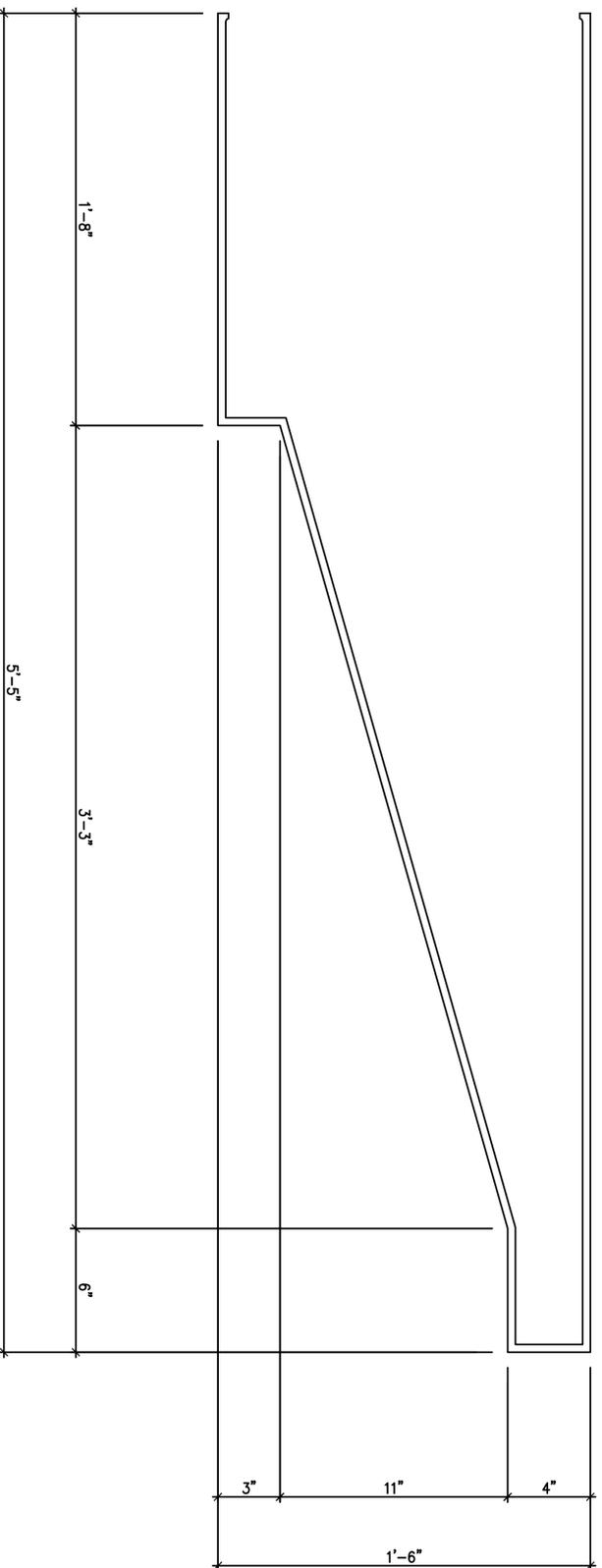
REVISION NO. BR:



2 SIDE ELEVATION 01 / P7  
SCALE: 3"=1'-0"



1 FRONT ELEVATION  
SCALE: 3"=1'-0"



3 DETAIL SECTION  
SCALE: 3"=1'-0"

FRP SMOOTH PERGOLA RAFTER TAIL

REQ'D : ( 168 )  
FRP PERGOLA RAFTER TAIL  
1'-6"H x 4"W x 5'-5"D  
TOTAL : ( 168 )

AS SHOWN 1

REVISION NO. BR:


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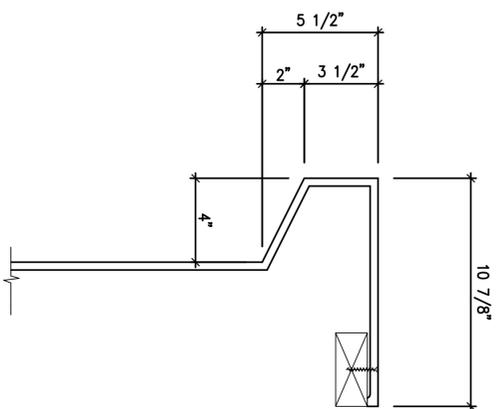
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DRAWN BY: TAN  
CHECKED BY: M.S.  
DATE: 12/13/13  
SCALE: AS SHOWN  
JOB FILE NO. LIBERTY\_P7.DWG

P7

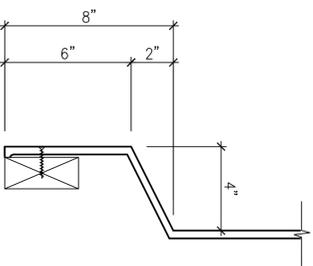
FORMING 19 OF 40



CAPITAL DETAIL

3"=1'-0"

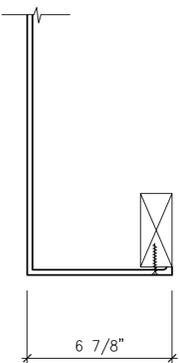
C



BASE DETAIL

3"=1'-0"

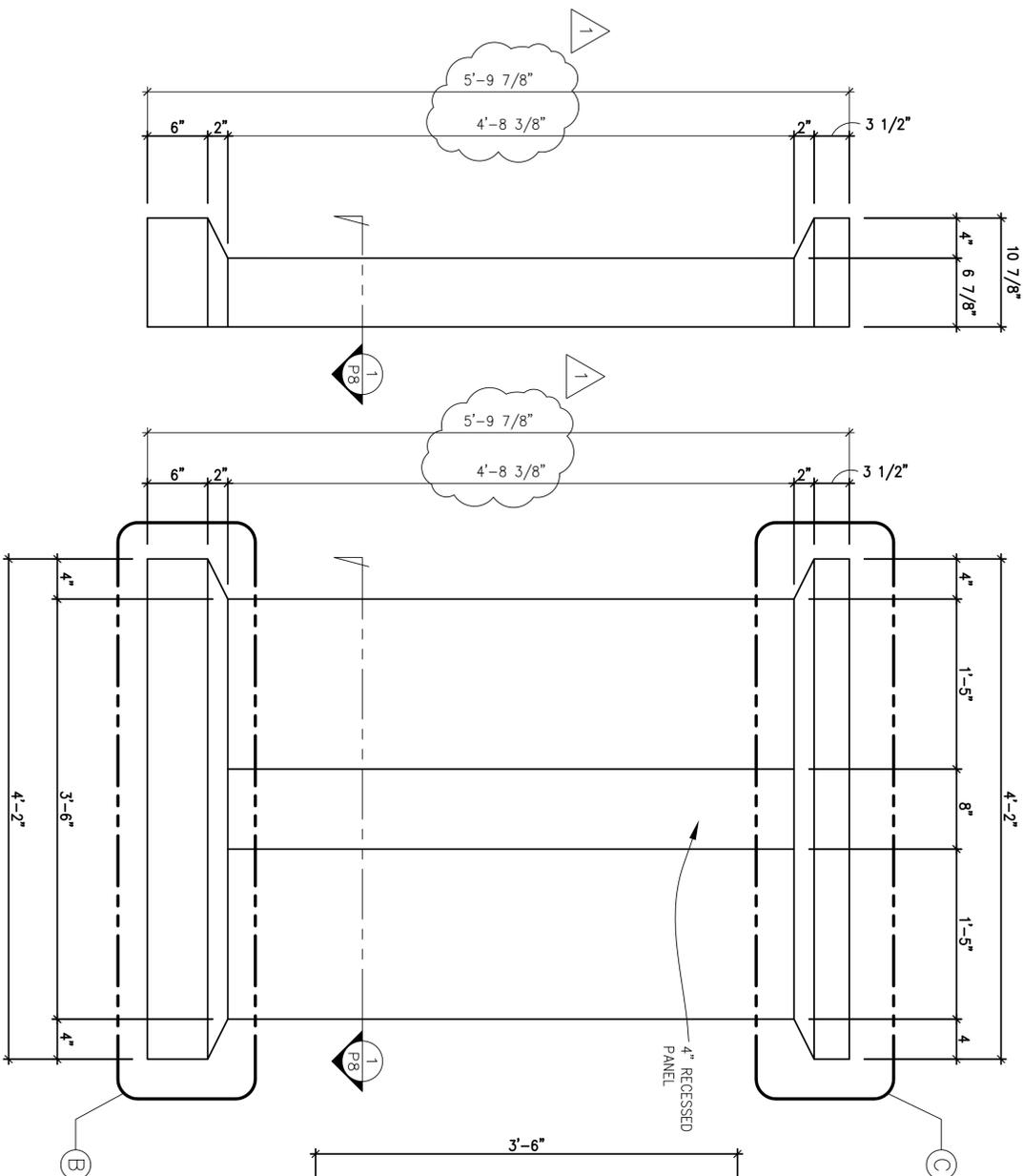
B



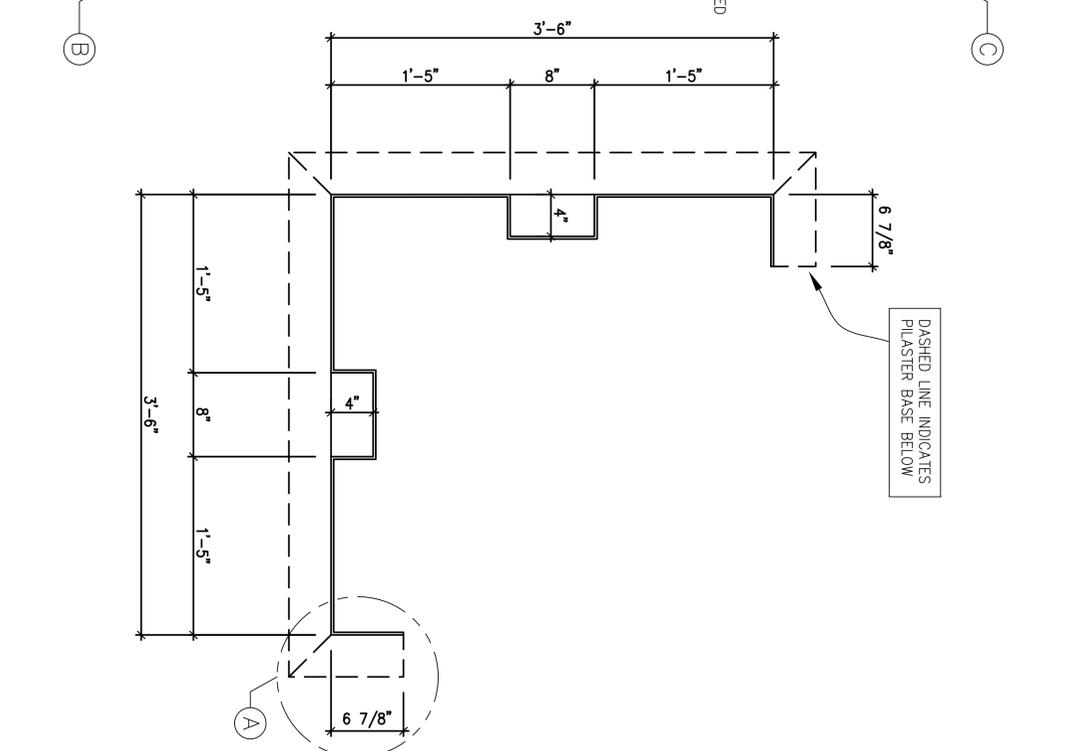
CONNECTION DETAIL

3"=1'-0"

A



3 SIDE ELEVATION  
SCALE: 1 1/2"=1'-0"



2 FACE FRONT ELEVATION  
SCALE: 1 1/2"=1'-0"

1 PLAN VIEW  
SCALE: 1 1/2"=1'-0"

FRP SMOOTH CORNER PILASTER WITH CAP AND BASE (FRP 8)

AS SHOWN

1

REQ'D : ( 8 )  
TOTAL : ( 8 )

FRP CORNER PILASTER  
5'-9 7/8"H x 3'-6"SQ. x 6 7/8"D

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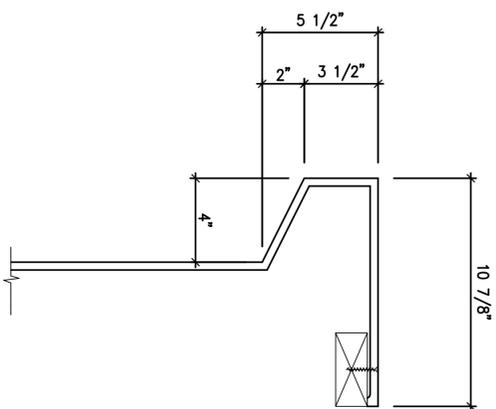
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P8

LIBERTY\_P8.DWG  
DATE: 12/13/13  
AS SHOWN

REVISION NO.

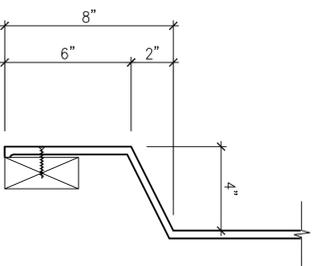
BR:



CAPITAL DETAIL

3"=1'-0"

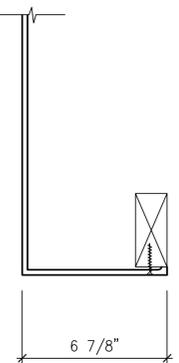
C



BASE DETAIL

3"=1'-0"

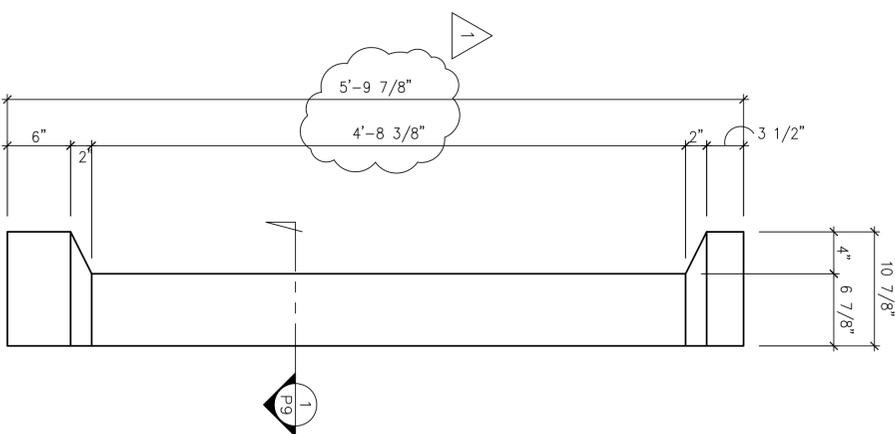
B



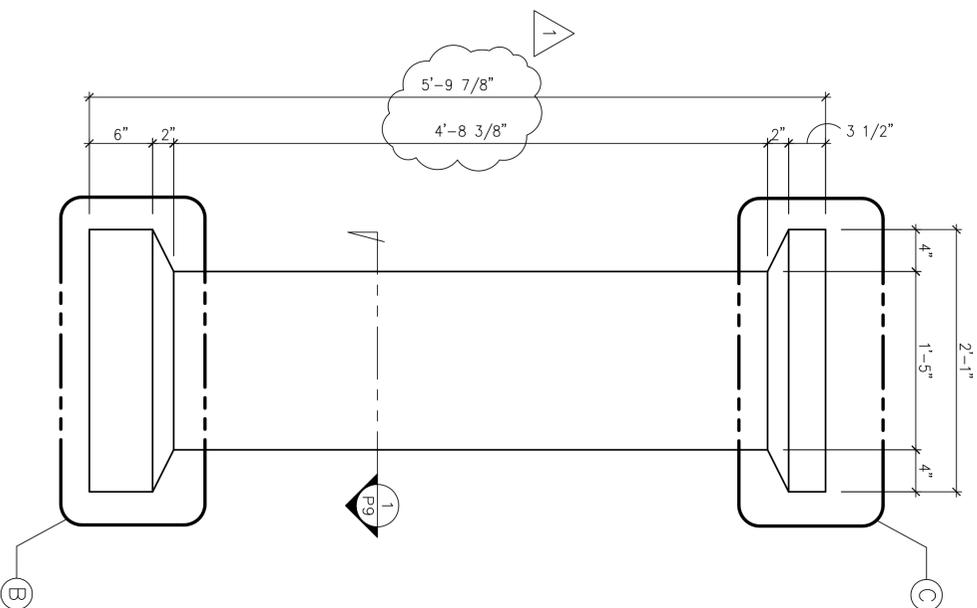
CONNECTION DETAIL

3"=1'-0"

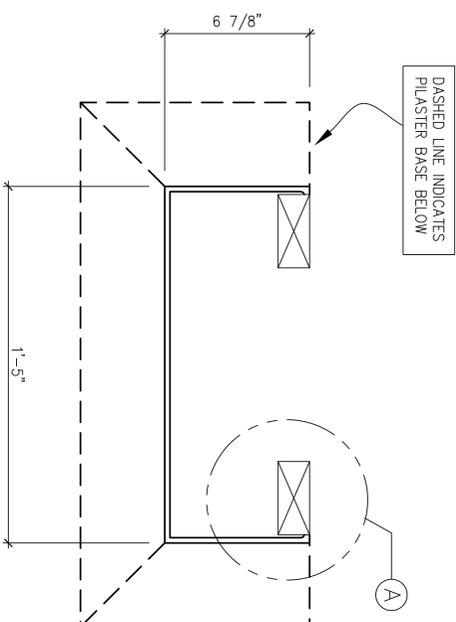
A



3 SIDE ELEVATION  
SCALE: 1 1/2"=1'-0"



2 FACE FRONT ELEVATION  
SCALE: 1 1/2"=1'-0"



1 PLAN VIEW  
SCALE: 3"=1'-0"

01 / P9

FRP SMOOTH PILASTER WITH CAP AND BASE (FRP 9)

TOTAL : ( 8 )

REQ'D : ( 8 )

01 / P9

FRP PILASTER  
5'-9 7/8"H x 1'-5"SQ. x 6 7/8"D

1

AS SHOWN

1

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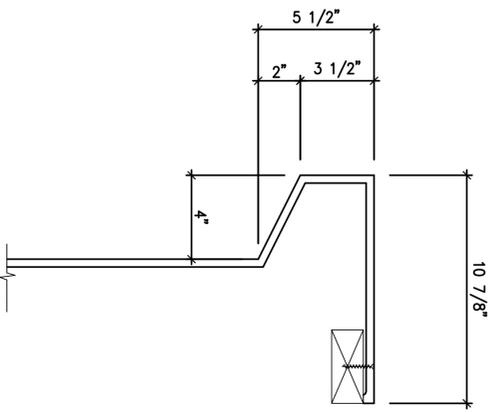
REVISION NO.

BT:

P9

FORMING 21 OF 40

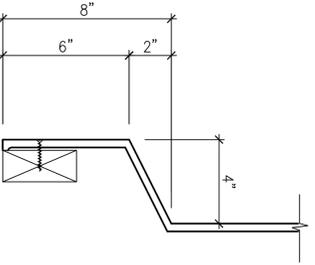
DRAWN BY: TAN  
CHECKED BY: M.S.  
DATE: 12/13/13  
SCALE: AS SHOWN  
JOB FILE NO. LIBERTY\_P9.DWG



**CAPITAL DETAIL**

3"=1'-0"

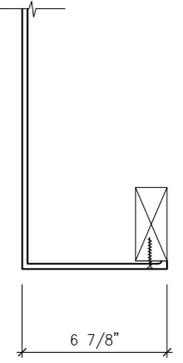
**C**



**BASE DETAIL**

3"=1'-0"

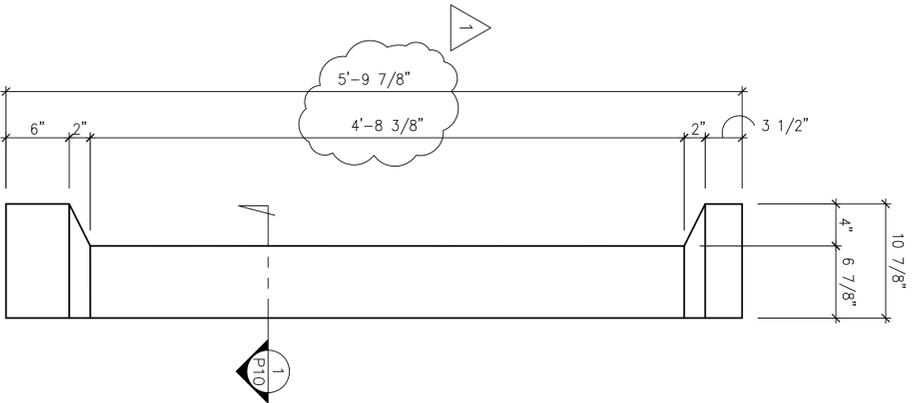
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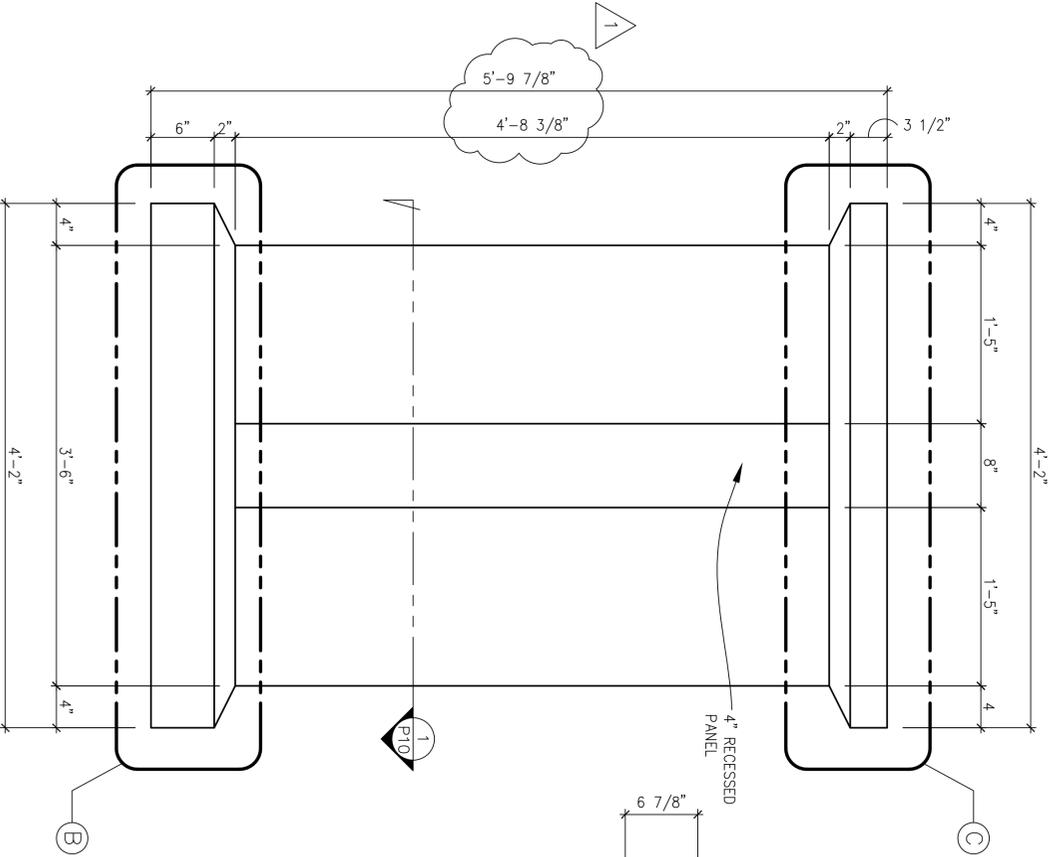
**CONNECTION DETAIL**

3"=1'-0"

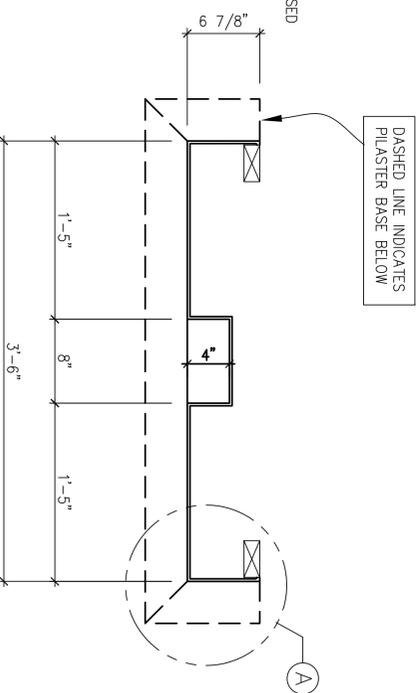
**A**



**3 SIDE ELEVATION**  
SCALE: 1 1/2"=1'-0"



**2 FACE FRONT ELEVATION**  
SCALE: 1 1/2"=1'-0"



**1 PLAN VIEW**  
SCALE: 1 1/2"=1'-0"

REQ'D : ( 4 )  
FRP PILASTER  
5'-9 7/8"H x 3'-6"SQ. x 6 7/8"D  
TOTAL : ( 4 )

**FRP SMOOTH PILASTER WITH CAP AND BASE (FRP 10)**

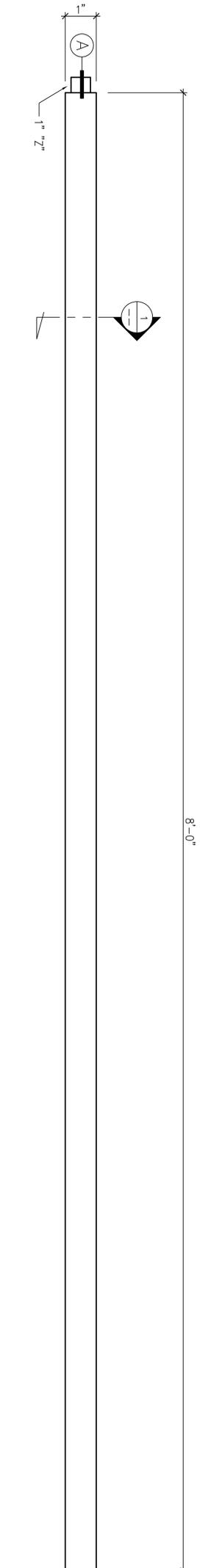
AS SHOWN

**1**





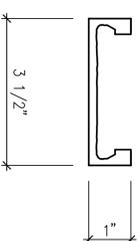




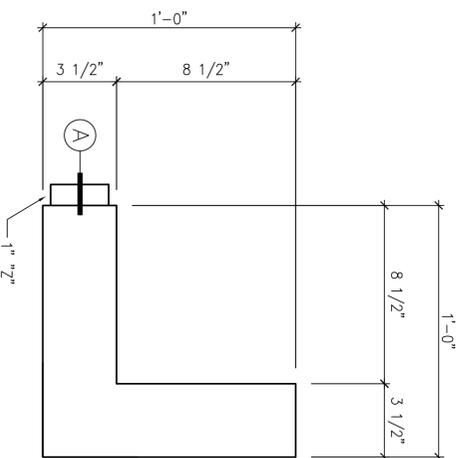
8'-0"

2 ELEVATION  
SCALE: 3"=1'-0"

01 / P13A

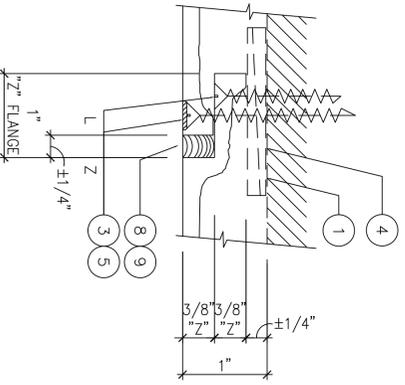


1 DETAIL SECTION  
SCALE: 6"=1'-0"



3 REFLECTED PLAN VIEW  
SCALE: 3"=1'-0"

02 / P13A



CONNECTION DETAIL

FULL

A

FRP SOFFIT TRIM

AS SHOWN

1

REQ'D : ( 163 ) 01 / P13A FRP SOFFIT TRIM  
 ( 10 ) 02 / P13A 1" H x 3 1/2" D  
 8'-0" STRAIGHT LENGTH  
 FRP SOFFIT TRIM - OSC  
 1" H x 3 1/2" D x 1'-0" SQ.  
 TOTAL : ( 173 )

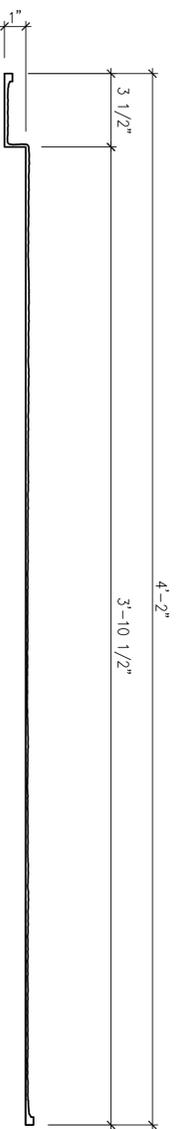
DRAWN BY: TAN  
 CHECKED BY: M.S.  
 DATE: 01.10.14  
 SCALE: AS SHOWN  
 CDW FILE NO.: LIBERTY\_P13A.DWG  
**P13A**  
FORMING 26 OF 40

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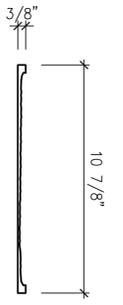
**THE COMMONS HOUSING**  
**LIBERTY UNIVERSITY**  
**LYNCHBURG, VIRGINIA**

REVISION NO.	BY:

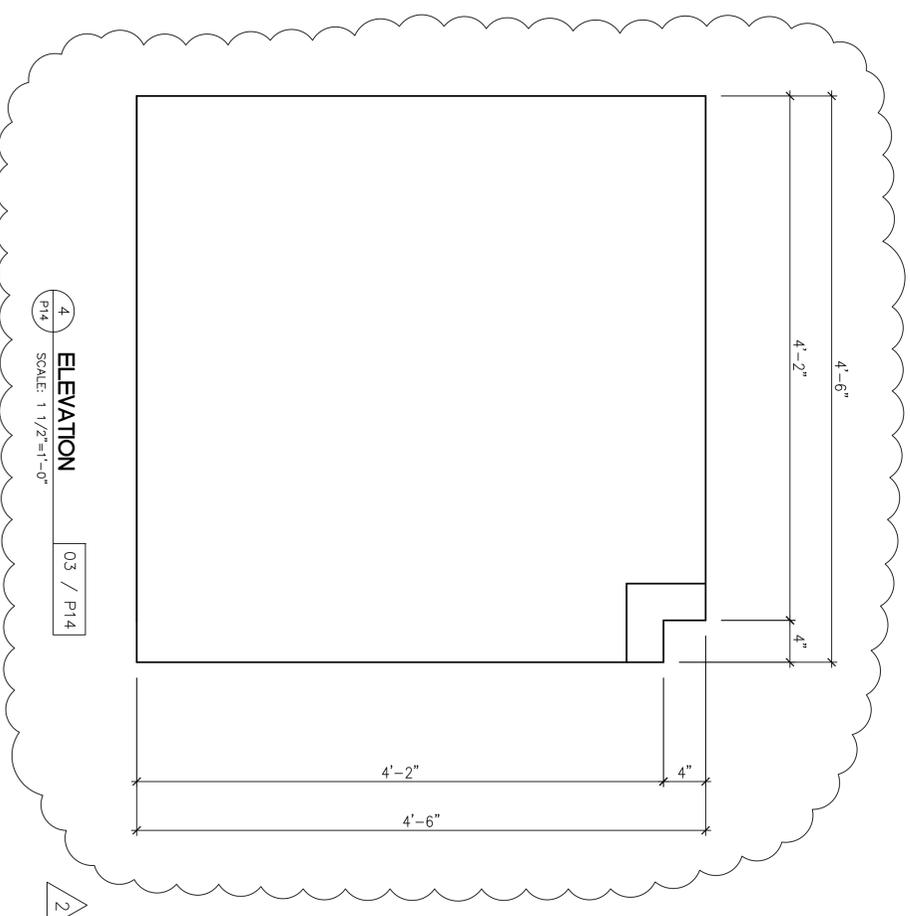
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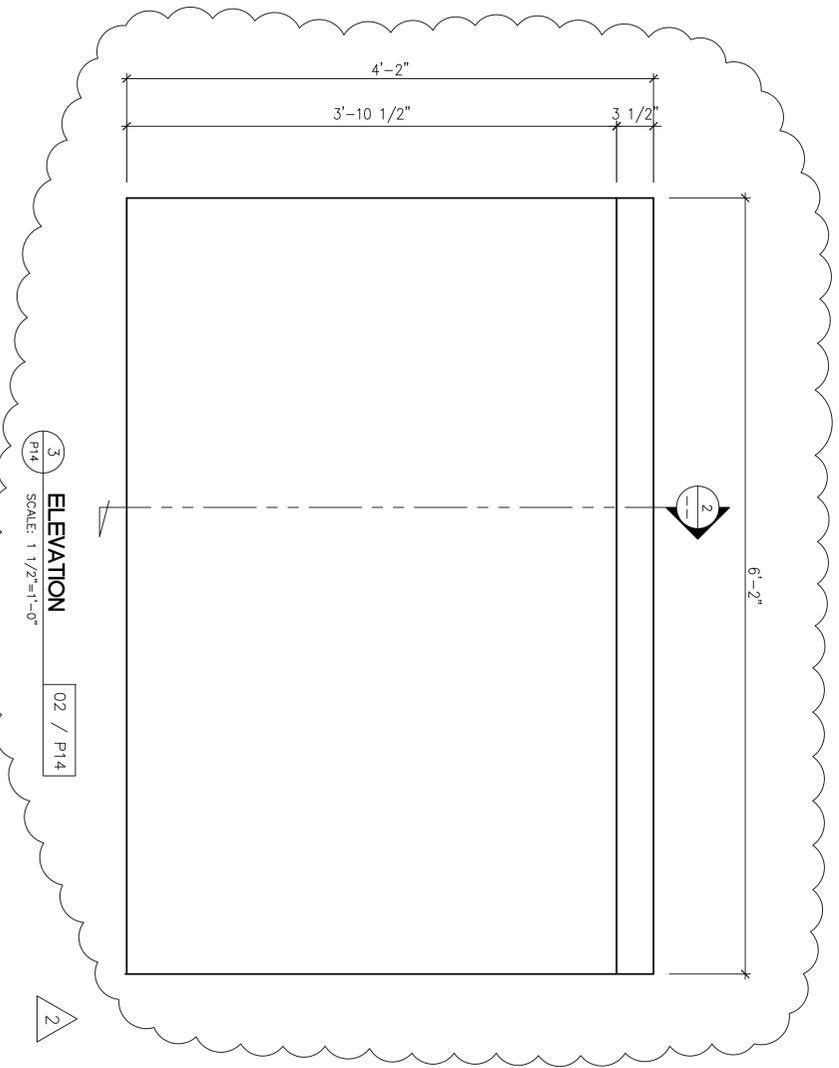
2 DETAIL SECTION  
P14 SCALE: 3"=1'-0"



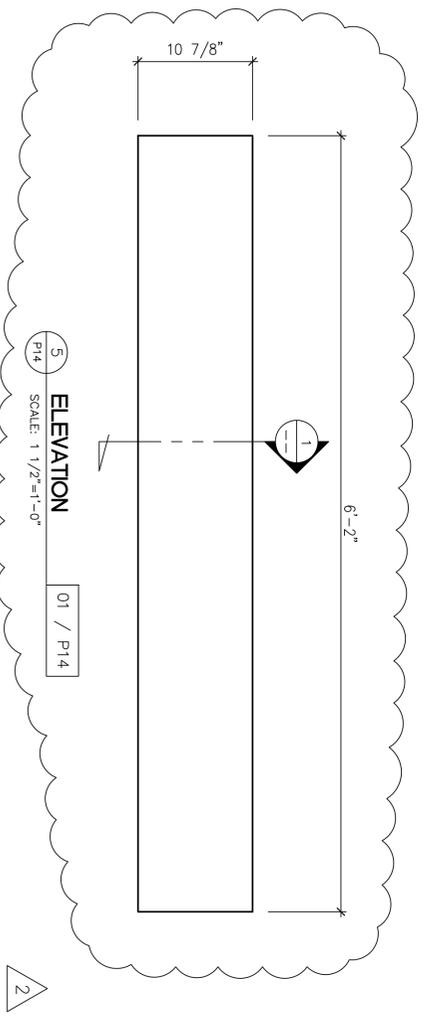
1 DETAIL SECTION  
P14 SCALE: 3"=1'-0"



4 ELEVATION  
P14 SCALE: 1 1/2"=1'-0"



3 ELEVATION  
P14 SCALE: 1 1/2"=1'-0"



5 ELEVATION  
P14 SCALE: 1 1/2"=1'-0"



REQ'D :	( 40 )	01 / P14	FRP SOFFIT
	( 208 )	02 / P14	3/8" x 10 7/8" W
	( 10 )	03 / P14	6'-2" STRAIGHT LENGTH
			FRP SOFFIT
			1" x 4'-2" W
			6'-2" STRAIGHT LENGTH
			FRP SOFFIT
			1" x 4'-2" W
			4'-6" x 4'-6" SQ.
TOTAL :	( 258 )		

FRP SOFFIT

AS SHOWN

1

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**P14**

LIBERTY P14.DWG  
SCALE: AS SHOWN  
DATE: 12/13/13  
DESIGNED BY: M.S.  
TAN  
DRAWN BY: M.S.



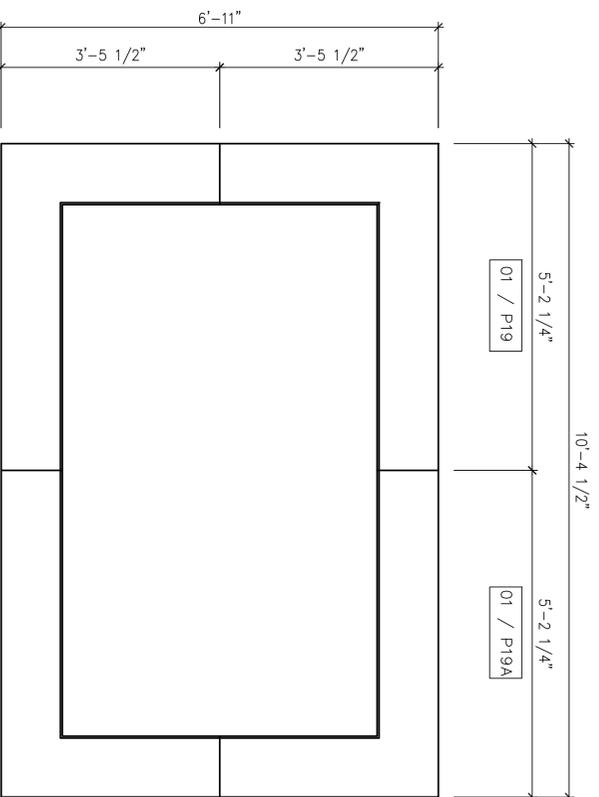








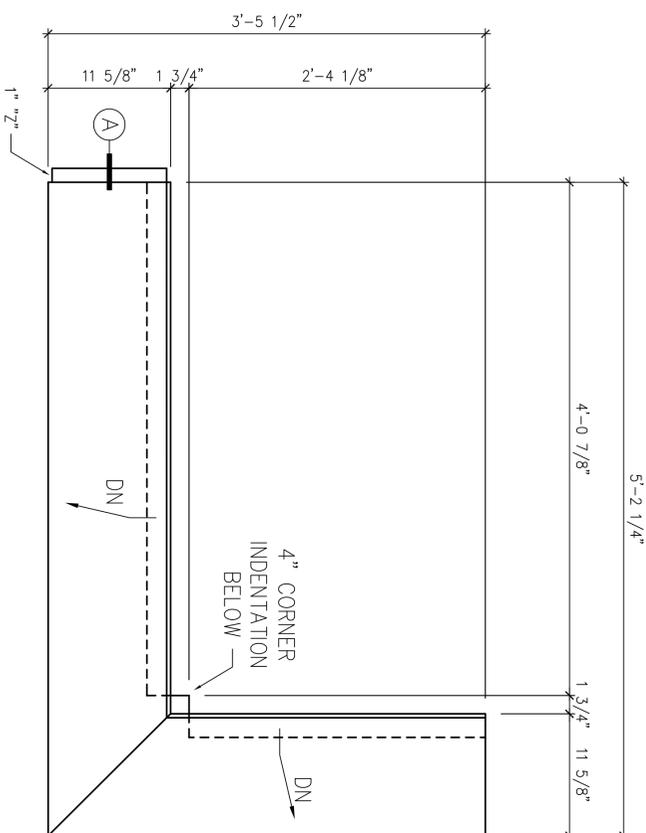




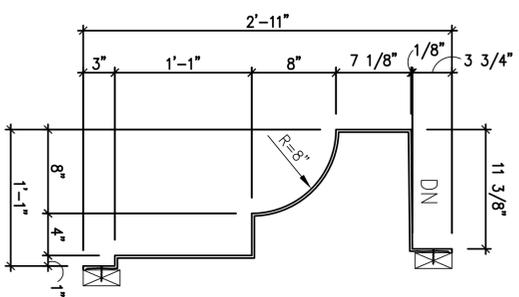
01 / P19A

4 KEY PLAN  
SCALE: 3/4"=1'-0"

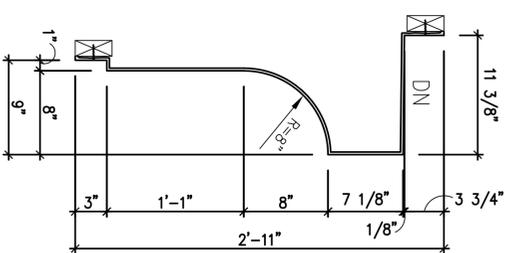
01 / P19



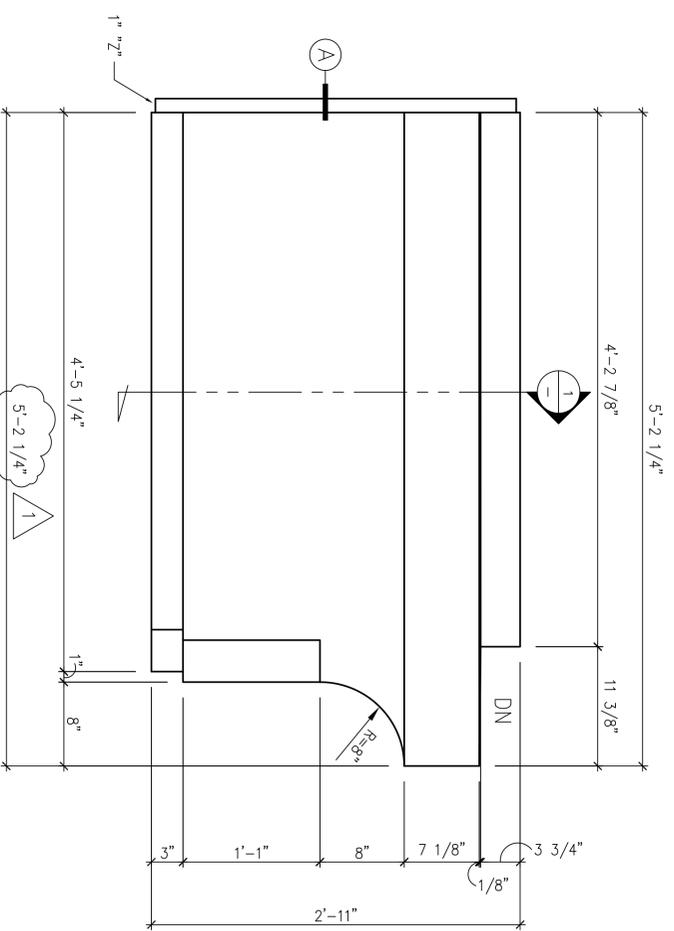
3 PLAN VIEW  
SCALE: 1 1/2"=1'-0"



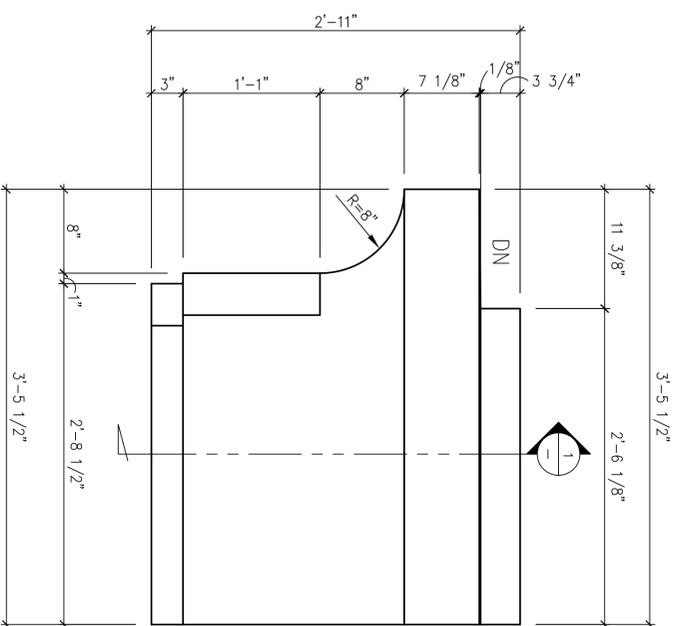
2 CORNERS  
DETAIL SECTION  
SCALE: 1 1/2"=1'-0"



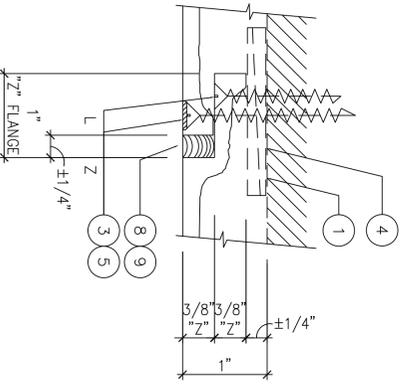
1 DETAIL SECTION  
SCALE: 1 1/2"=1'-0"



6 SIDE VIEW  
SCALE: 1 1/2"=1'-0"



5 END VIEW  
SCALE: 1 1/2"=1'-0"



CONNECTION DETAIL

FULL

A

TRASH CHUTE ENCLOSURE

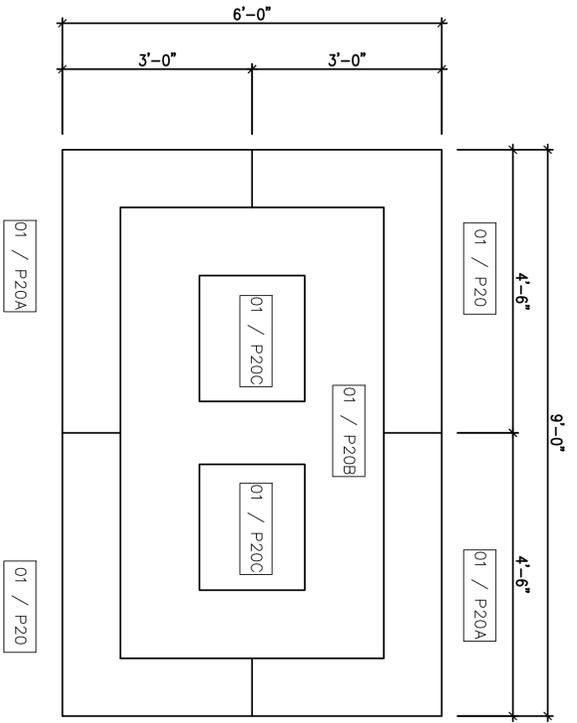
AS SHOWN

1

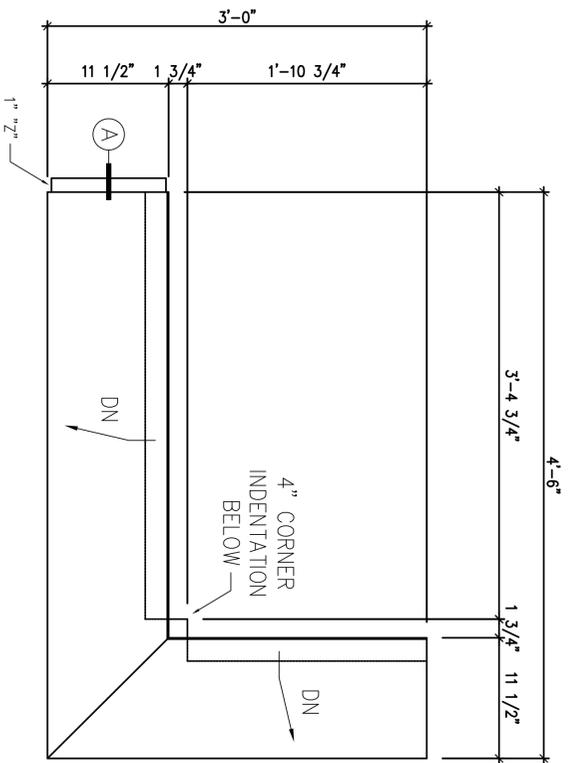
SLOPES AT TOPS OF TRASH CHUTE ENCLOSURE CORNICES SHALL BE 1/8" PER 1'-0" MINIMUM

REQ'D : ( 2 ) 01 / P19 FRP CORNICE  
2'-11" x 5'-2 1/4" x 11 3/8" D  
TOTAL : ( 2 )

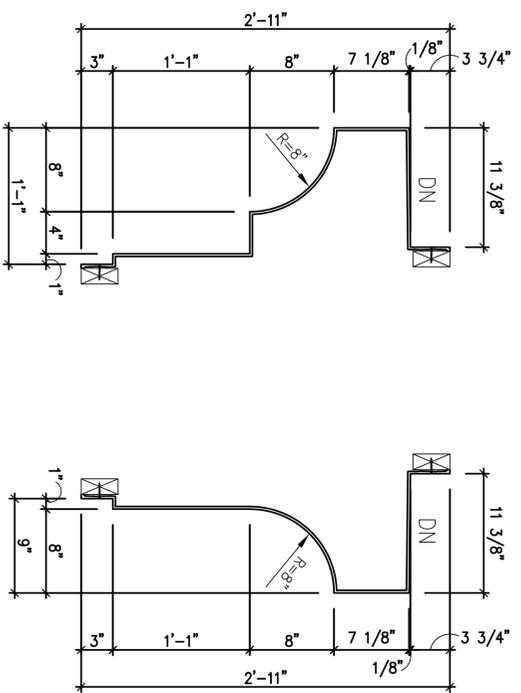




4 KEY PLAN  
SCALE: 3/4"=1'-0"

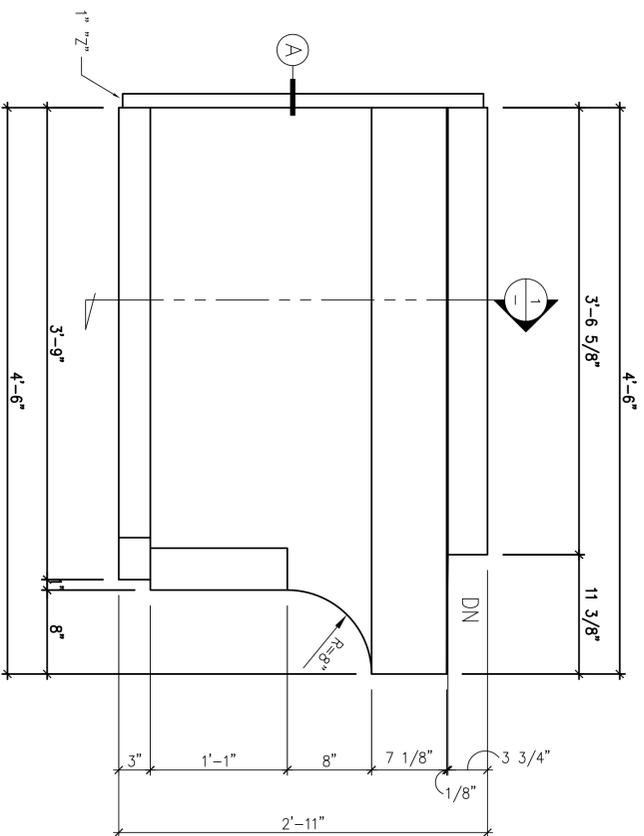


3 PLAN VIEW  
SCALE: 1 1/2"=1'-0"

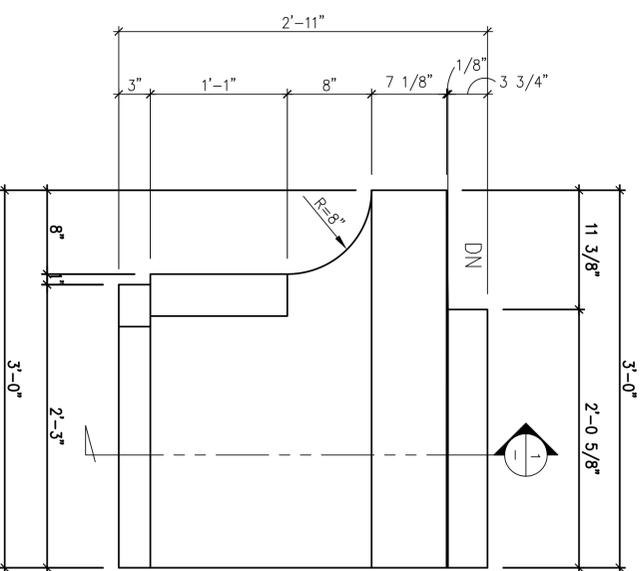


2 CORNERS DETAIL SECTION  
SCALE: 1 1/2"=1'-0"

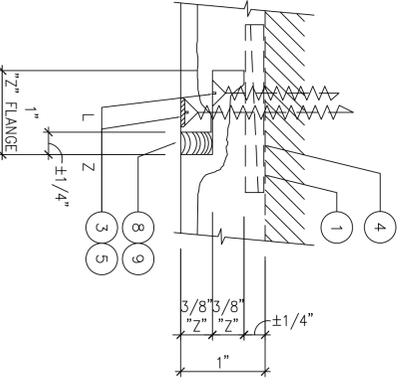
1 DETAIL SECTION  
SCALE: 1 1/2"=1'-0"



6 SIDE VIEW  
SCALE: 1 1/2"=1'-0"



5 END VIEW  
SCALE: 1 1/2"=1'-0"



CONNECTION DETAIL

FULL

A

SLOPES AT TOPS OF CHIMNEY CORNICES SHALL BE 1/8" PER 1'-0" MINIMUM

FRP CHIMNEY CORNICE

AS SHOWN

1

REQ'D : ( 8 ) 01 / P20 FRP CHIMNEY CORNICE  
2'-11" H x 4'-6" W x 11 3/8" D  
TOTAL : ( 8 )

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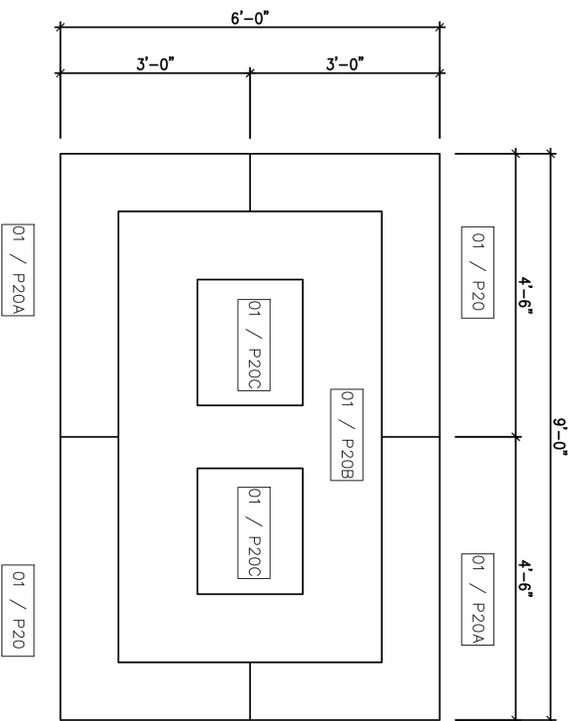
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P20

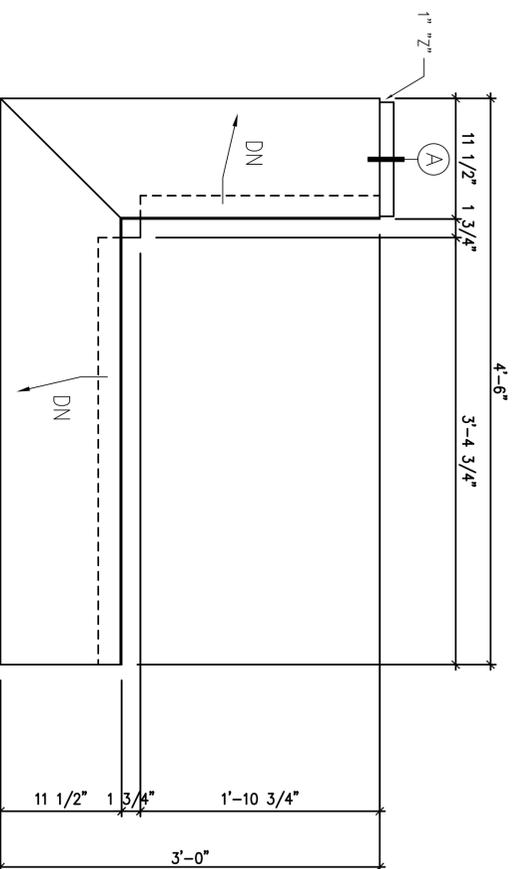
DESIGN BY	TAN
CHECKED BY	M.S.
DATE	12/13/13
SCALE	AS SHOWN
QTY PER NO.	LIBERTY P20/DWG

REVISION NO.

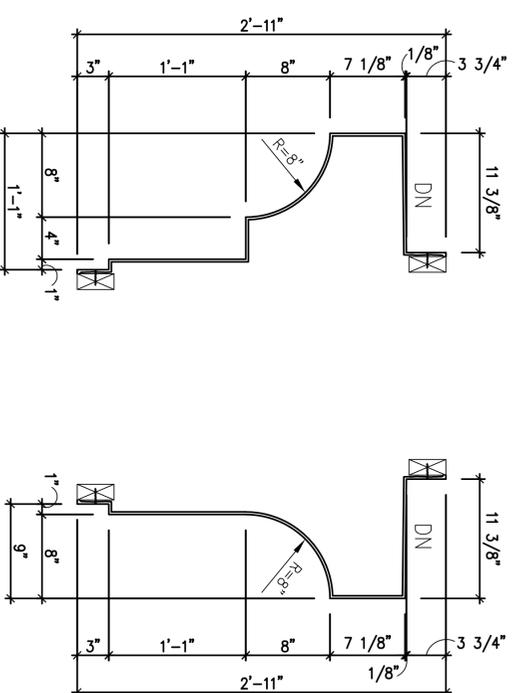
BY:



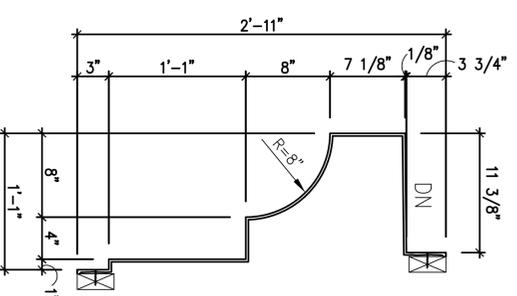
4 KEY PLAN  
SCALE: 3/4"=1'-0"



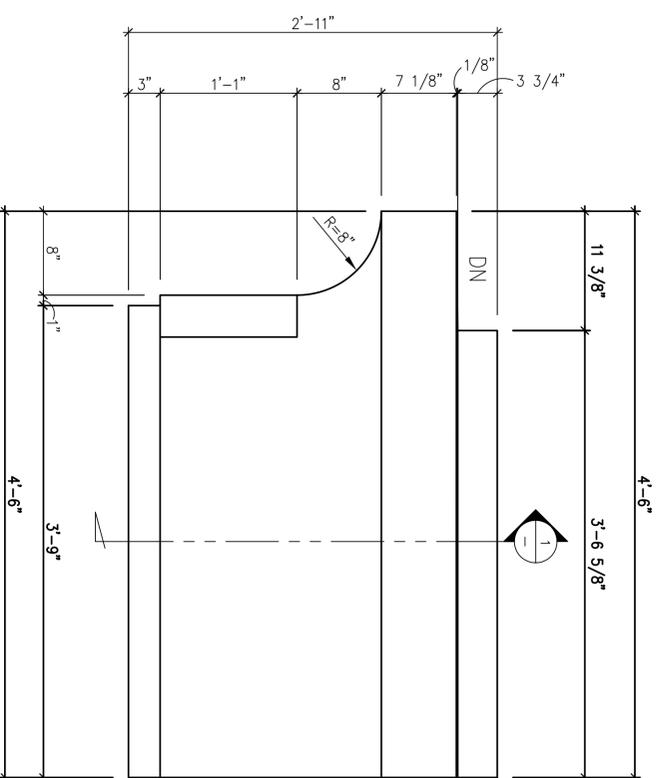
3 PLAN VIEW  
SCALE: 1 1/2"=1'-0"



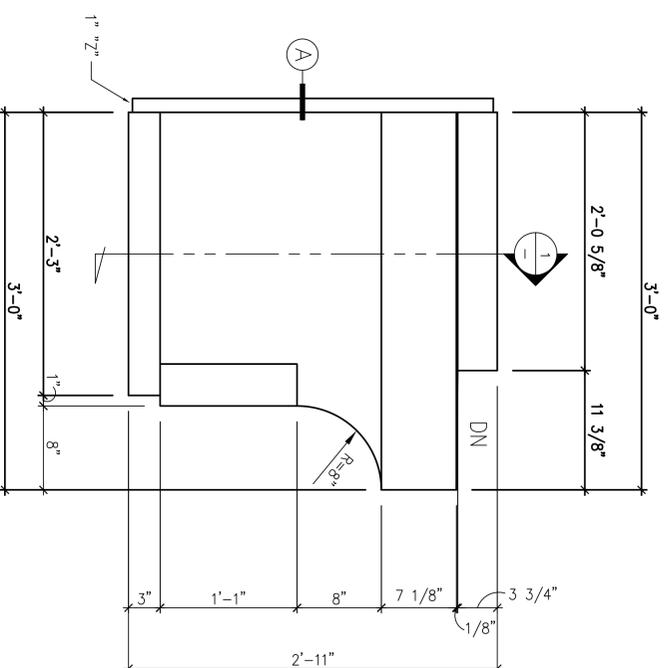
1 DETAIL SECTION  
SCALE: 1 1/2"=1'-0"



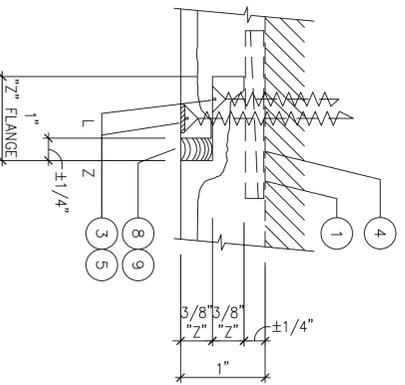
2 CORNERS  
DETAIL SECTION  
SCALE: 1 1/2"=1'-0"



6 SIDE VIEW  
SCALE: 1 1/2"=1'-0"



5 END VIEW  
SCALE: 1 1/2"=1'-0"



CONNECTION DETAIL

FULL

A

SLOPES AT TOPS OF CHIMNEY CORNICES SHALL BE 1/8" PER 1'-0" MINIMUM

FRP CHIMNEY CORNICE

AS SHOWN

1

REQ'D : ( 8 ) 01 / P20A FRP CHIMNEY CORNICE  
2'-11" H x 4'-6" W x 11 3/8" D  
TOTAL : ( 8 )

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P20A

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CHECKED BY: M.S.  
DATE: 12.13.13  
SCALE: AS SHOWN  
JOB FILE NO.: LIBERTY\_P20A.DWG

REVISION NO.  
BY:



