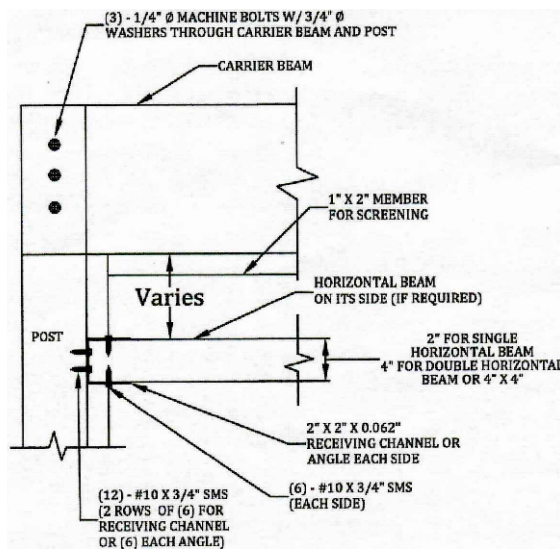
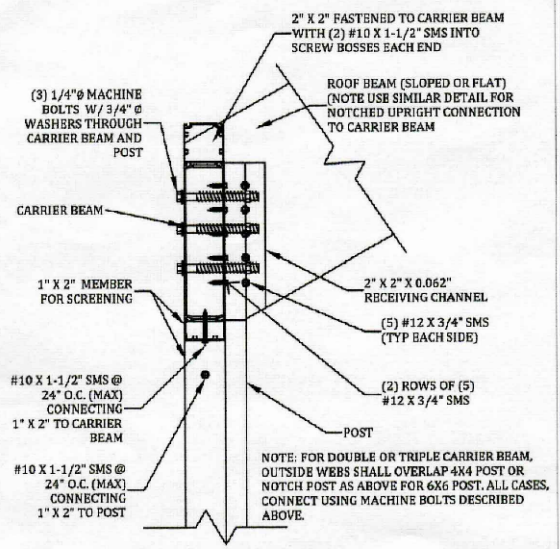
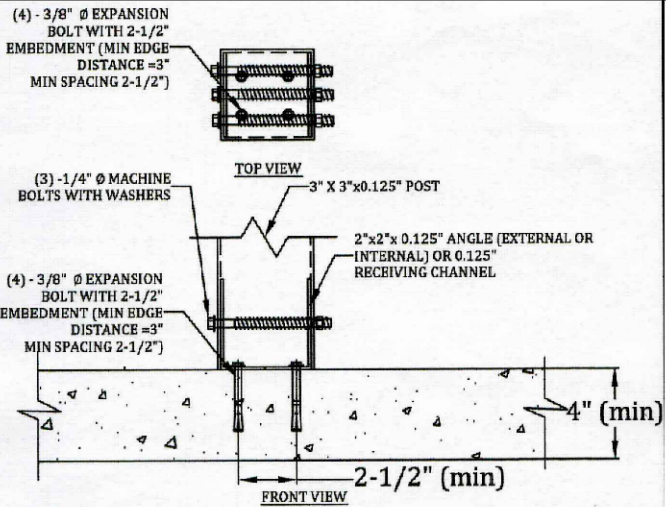




TYPICAL BEAM TO POST DETAIL
SCALE: N.T.S.

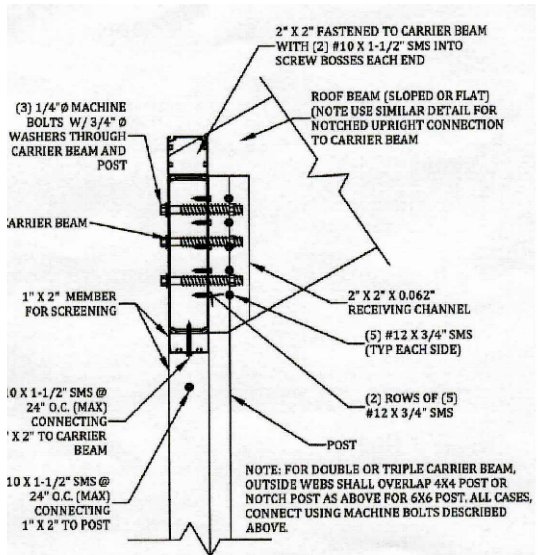


TYPICAL CORNER CARRIER BEAM CONNECTION
SCALE: N.T.S.

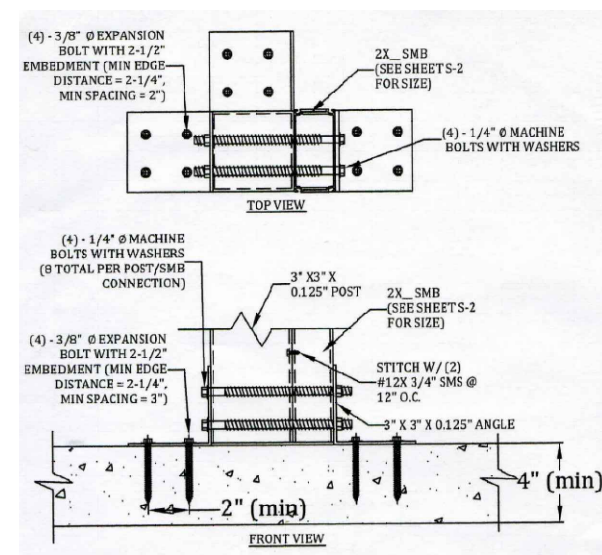


Notes:
1. Expansion bolt designs are based on an ultimate tension capacity of 4065 lb.
2. Minimum edge distance for expansion bolts shall be 3 inches.

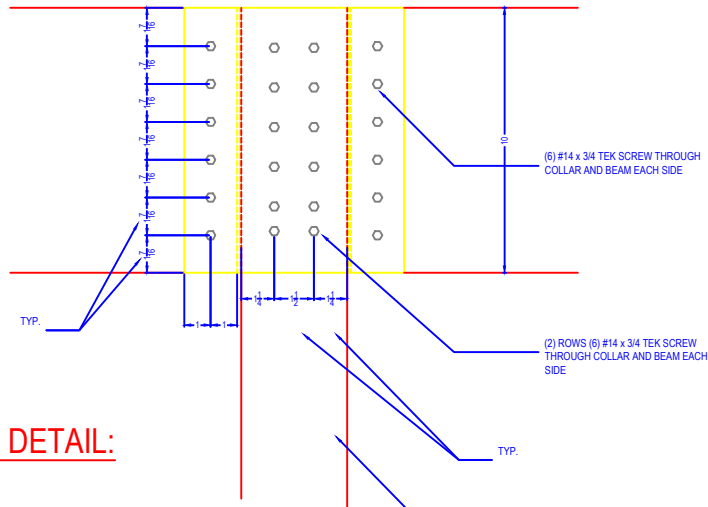
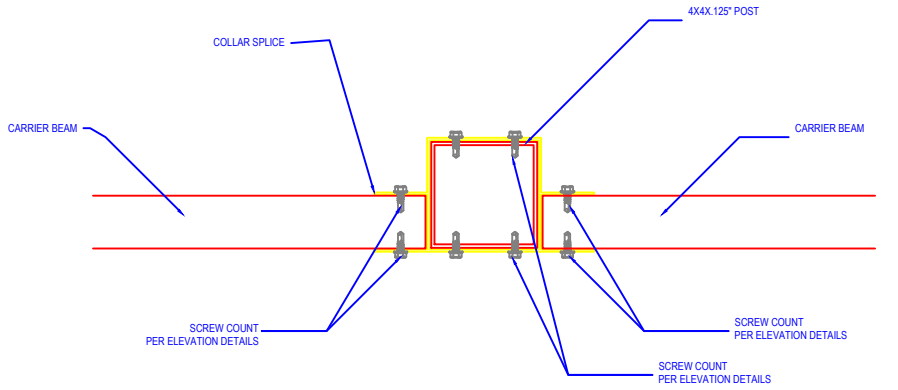
POST TO DECK CONNECTION DETAIL
SCALE: N.T.S.



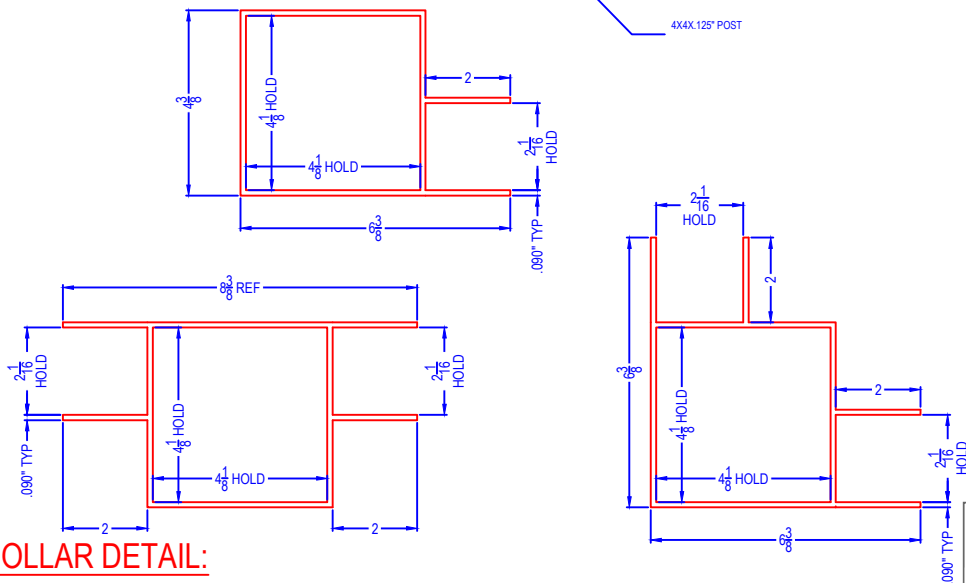
CARRIER BEAM TO POST
SCALE: N.T.S.



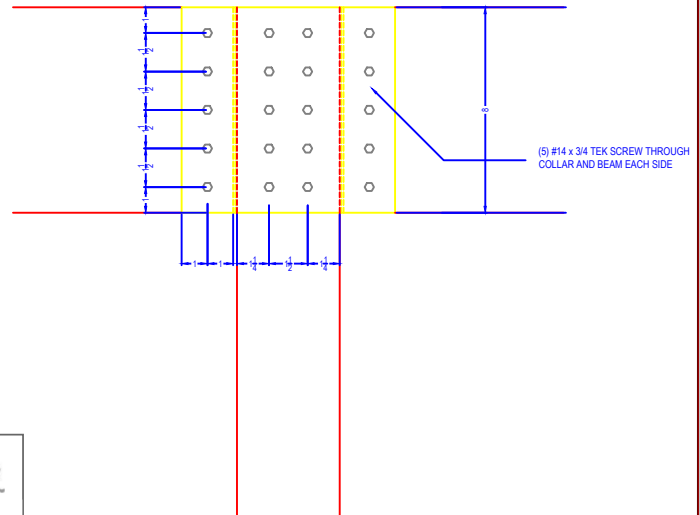
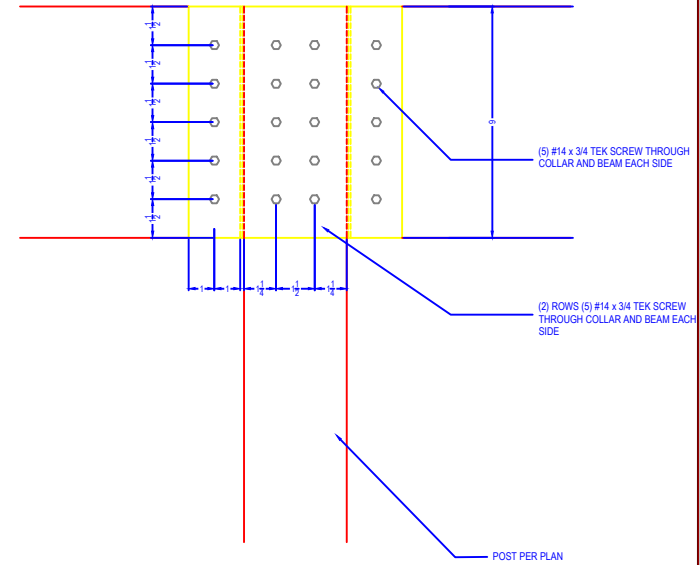
POST TO DECK CONNECTION DETAIL
SCALE: N.T.S.



COLLAR DETAIL:
NTS



COLLAR DETAIL:
NTS



MICHAEL K. SHEELEY
REG. # 0010564

STATE OF FLORIDA
MICHAEL K. SHEELEY
AR0010564
REGISTERED ARCHITECT

SHEELEY ARCHITECTS
INCORPORATED
8200 COLLEGE PARKWAY SUITE 101
FORT MYERS, FL 33919
AA# 0002319

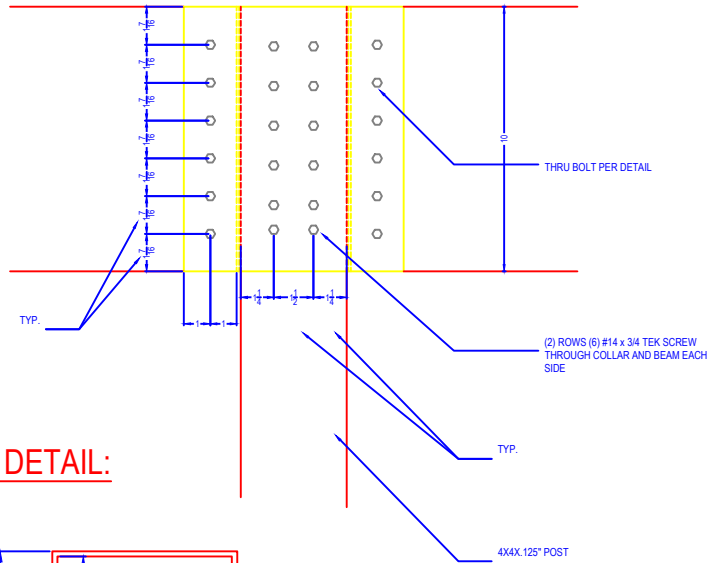
PROJECT INFORMATION
[PROJECT NUMBER - #0000]

PROJECT ADDRESS
FOUNTAIN POOLS=LAGOMAR LOT 40
9422 LAGOMAR CT
NAPLES FLORIDA 34114
1933

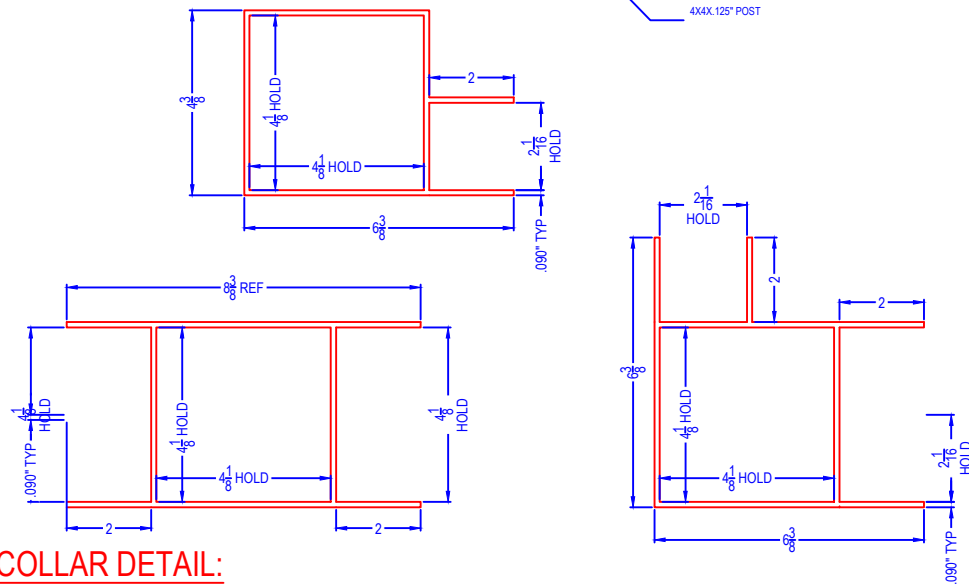
CONTRACTOR
FABRITECH
5755 Corporation Cir.
Fort Myers, FL 33905

[DRAWN BY] MS
[CHECKED BY]

[SHEET NUMBER]
A.POST



COLLAR DETAIL:
NTS



COLLAR DETAIL:
NTS



[PROJECT NUMBER - #0000]

[PROJECT ADDRESS]
 FOUNTAIN POOLS=LAGOMAR LOT 40
 9422 LAGOMAR CT
 NAPLES FLORIDA 34114
 1983

CONTRACTOR|
FABRITECH
5755 Corporate
Fort Myers, FL

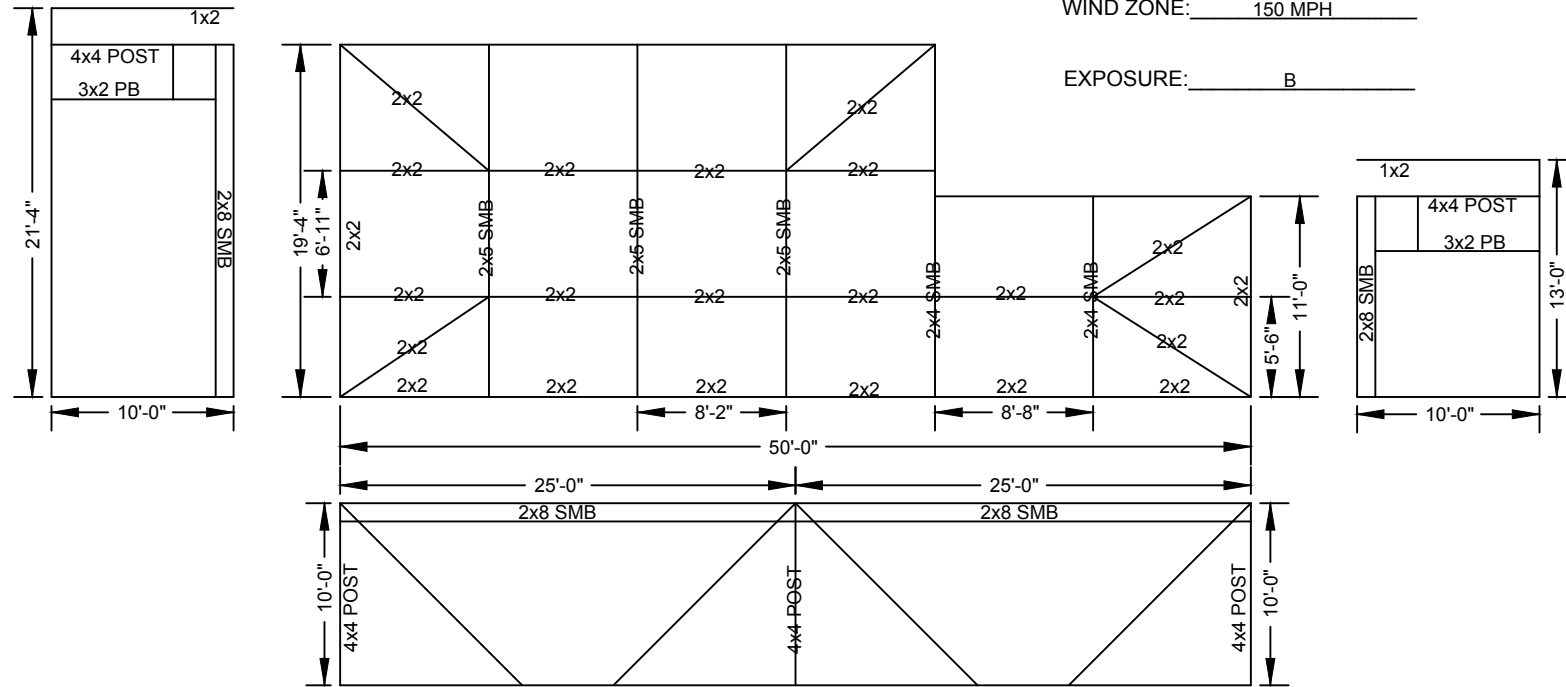
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[SHEET NUMBER]

B.POST

MICHAEL K. SHEELEY, AIA
FLORIDA REG. #10584

BLDG DPMT: COLLIER COUNTYWIND ZONE: 150 MPHEXPOSURE: BALUMINUM NOTES:

1. ALL MEMBERS SHALL BE 6005-T5 ALLOY. ALL MEMBERS SHALL HAVE A MINIMUM WALL THICKNESS OF .040".
2. ALL KICK PLATES SHALL HAVE MINIMUM THICKNESS OF .024".
3. ALL DESIGNS HAVE BEEN BASED OFF OF A RATIONAL ANALYSIS.
4. ALUMINUM SHALL NOT COME INTO CONTACT WITH STEEL OR PT LUMBER WITHOUT AN APPROVED BARRIER TO PREVENT GALVANIC ACTION.
5. ALL SPLICED MEMBERS SHALL BE STITCHED WITH NO LESS THAN #10 SMS 6" FROM THE ENDS AND 24" O.C. THEREAFTER.
6. VINYL AND ACRYLIC PANELS SHALL BE REMOVED WITHIN THE ISSUANCE OF A HURRICANE WARNING FOR THE AREA. AN EASILY READABLE DECAL SHALL BE PLACED IN A CONSPICUOUS LOCATION STATING AS SUCH.

FASTENING NOTES:

1. ALL LAG BOLTS SHALL CONFORM TO STAINLESS STEEL WITH A FLAT WASHER, OR GALVANIZED FOR SPECIFIC TREATMENT OF USE WITH PT LUMBER.
2. HEX BOLTS SHALL CONFORM TO ASTM A325 STANDARDS AND AISC REQUIREMENTS, AND SHALL HAVE FLAT WASHERS.
3. ALL CONCRETE ANCHORS SHALL HAVE AN APPROVED FLA PRODUCT APPROVAL NUMBER.
4. ALL METAL ON THE JOB SHALL BE HOT DIP GALVANIZED.
5. ALL LAG BOLTS SHALL HAVE A MINIMUM EMBEDMENT OF 2" MINIMUM FOR 1/4" DIAMETER, 3" MINIMUM FOR 3/8" DIAMETER, AND 4" MINIMUM FOR 1/2" DIAMETER.
6. ALL SMS FASTENERS SHALL HAVE A MINIMUM SPACING OF 4 THREAD DIAMETERS AND A MINIMUM EDGE DISTANCE OF 2 THREAD DIAMETERS.

GENERAL NOTES:

1. ALL WORK ON THIS PROJECT SHALL BE PERFORMED BY A LICENSED CONTRACTOR OR OWNER BUILDER, WHO WOULD ACCEPT THE SAME RESPONSIBILITIES AND IS EXPECTED TO HAVE THE SAME KNOWLEDGE AND EXPERIENCE OF A LICENSED CONTRACTOR.
2. ALL DIMENSIONS FOR THIS PROJECT HAVE BEEN PROVIDED BY THE CONTRACTOR AND IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ANY ERRORS AND REPORT THEM BACK TO THE ENGINEER PRIOR TO CONSTRUCTION.
3. ANY SPECIFIC DETAILS NOT SHOWN ON THIS DRAWINGS SHALL BE IN CONFORMANCE WITH THE ALUMINUM ASSOCIATION MANUAL OF FLORIDA CURRENT EDITION. CONTACT ENGINEER FOR ANY QUESTION PRIOR TO COMMENCING WORK IF THERE ARE ADDITIONAL QUESTIONS.
4. WHERE SHOWN, ALL CONCRETE SHALL BE 2,500 PSI MINIMUM WITH FIBER REINFORCING AND REBAR SHALL HAVE 2" COVER ALL SIDES MINIMUM.
5. FOUNDATIONS SHALL BEAR ON CLEAN COMPACTED FILL, FREE OF ORGANIC MATERIAL, AND COMPACTED TO 95% MODIFIED PROCTOR DENSITY.

FRAMING PLAN:
SCALE: 3/32" = 1'-0"

MICHAEL K. SHEELEY
REG. # 0010564

**SHEELEY ARCHITECTS
INCORPORATED**
8200 COLLEGE PARKWAY SUITE 101
FORT MYERS, FL 33919
AA# 0002319

PROJECT INFORMATION

(PROJECT NUMBER - #0000)

[PROJECT ADDRESS]
FOUNTAIN POOLS=LAGOMAR LOT 40
9422 LAGOMAR CT
NAPLES FLORIDA 34114
1933

[CONTRACTOR]
FABRITECH
5755 Corporation Cir.
Fort Myers, FL 33905

(DRAWN BY) MS
(CHECKED BY)

(SHEET NUMBER)

S-1

MICHAEL K. SHEELEY, AIA
FLORIDA REG. #0010564

Concrete Anchor Specifications

Fastener	Min. Embedment	Allowable Shear Load	Allowable Tension Load	Material	Substrate Material	Fla. Product Approval
3/16" Ø TITEN Screw	1-1/4"	220#	160#	Carbon Steel	Hollow or Grout Filled CMU	2355.1
3/16" Ø TITEN Screw	1-1/4"	255#	305#	Carbon Steel	Concrete	2355.1
3/16" Ø TITEN Screw	1-1/4"	78#	78#	Stainless Steel	Hollow or Grout Filled CMU	2355.1
1/4" Ø TITEN Screw	1-1/4"	300#	165#	Carbon Steel	Hollow or Grout Filled CMU	2355.1
1/4" Ø TITEN Screw	1-1/4"	400#	365#	Carbon Steel	Concrete	2355.1
1/4" Ø TITEN Screw	1-1/4"	124#	137#	Stainless Steel	Hollow or Grout Filled CMU	2355.1
3/8" Ø TITEN HDScrew	2-3/4"	870#	480#	Carbon Steel	Grouted CMU	11506.7
1/2" Ø TITEN HDScrew	3-1/2"	1,385#	690#	Carbon Steel	Grouted CMU	11506.7
5/8" Ø TITEN HDScrew	4-1/2"	2,085#	1,060#	Carbon Steel	Grouted CMU	11506.7
3/4" Ø TITEN HDScrew	5-1/2"	3,000#	1,600#	Carbon Steel	Grouted CMU	11506.7

Notes:

1. Stainless steel fasteners may only be used when specifically stated on the detail drawings.
2. Design values in masonry substrate refer to face shell embedment only.
3. Simpson fasteners may not be installed within 1-1/4" of mortar joint, when installed into masonry
4. All fasteners design values into concrete substrate are based on 3,000 psi concrete strength..

DESIGN PARAMETERS:

APPLICABLE CODES:

BUILDING CODES = FLORIDA BUILDING CODES, BUILDING 2014
RESIDENTIAL 2014, & EXISTING BUILDING 2014

METHOD OF DESIGN:

DESIGNED PURSUANT TO FLORIDA BUILDING CODE CHAP. 16, BUILDING 2014
WITH ASCE7-10 AND ALUMINUM ASSOCIATION OF FLORIDA 2012..

IMPORTANCE FACTOR:

- ☒ 0.77 (BUILDING CATEGORY I) ☐ 1.15 (BUILDING CATEGORY III)
☐ 1.00 (BUILDING CATEGORY II) ☐ 1.15 (BUILDING CATEGORY IV)

BUILDING OCCUPANCY CLASSIFICATION:

- ☐ GROUP A - ASSEMBLY ☐ GROUP H - HAZARDOUS
☐ GROUP B - BUSINESS ☐ GROUP I - INSTITUTIONAL
☐ GROUP D - DAY CARE CENTER ☐ GROUP M - MERCANTILE
☐ GROUP E - EDUCATIONAL ☒ GROUP R - RESIDENTIAL
☐ GROUP F - FACTORY INDUSTRIAL ☐ GROUP S - STORAGE

BASIC WIND SPEED:

☒ 150 MPH ULTIMATE 116MPH NOMINAL

BUILDING CONSTRUCTION TYPE:

- ☐ TYPE I-A ☐ TYPE II-B ☐ TYPE IV
☐ TYPE I-B ☐ TYPE III-A ☐ TYPE V-A
☐ TYPE II-A ☐ TYPE III-B ☒ TYPE V-B

EXPOSURE CATEGORY:

- ☐ A ☐ C
☒ B ☐ D

WINDBORNE DEBRIS REGION:

- ☐ NO
☒ YES

- ☒ N/A
☐ IMPACT RESISTANT SHUTTERS
☐ IMPACT RESISTANT STORM PANELS
☐ IMPACT RESISTANT COMBINATION OF GLASS & STORM PANELS

INTERNAL PRESSURE COEFFICIENTS:

- ☐ 0.00 (OPEN)
☐ +0.18, -0.18 (ENCLOSED)
☒ +0.55, -0.55, (PARTIALLY ENCLOSED)



ALUMINUM STRUCTURAL MEMBERS

HOLLOW SECTIONS

2 x 2: ----- 2" x 2" x 0.046"
3 x 2: ----- 3" x 2" x 0.050"
2 x 3: ----- 2" x 3" x 0.050"
2 x 3: ----- 2" x 3" x 0.070"
2 x 4: ----- 2" x 4" x 0.050"
2 x 5: ----- 2" x 5" x 0.050"

OPEN BACK SECTIONS

1 x 2: ----- 1" x 2" x 0.040"
1 x 3: ----- 1" x 3" x 0.045"

SNAP SECTIONS

2 x 2 Snap: ----- 2" x 2" x 0.045"
2 x 3 Snap: ----- 2" x 3" x 0.050"
2 x 4 Snap: ----- 2" x 4" x 0.045"

SELF MATING (SMB)

2 x 4 SMB: ----- 2" x 4" x 0.044" x 0.100"
2 x 5 SMB: ----- 2" x 5" x 0.050" x 0.118"
2 x 6 SMB: ----- 2" x 6" x 0.050" x 0.120"
2 x 7 SMB: ----- 2" x 7" x 0.057" x 0.120"
2 x 8 SMB: ----- 2" x 8" x 0.072" x 0.224"
2 x 9 SMB: ----- 2" x 9" x 0.072" x 0.224"
2 x 10 SMB: ----- 2" x 10" x 0.092" x 0.374"



PROJECT INFORMATION

(PROJECT NUMBER - #0000)

PROJECT ADDRESS: FOUNTAIN POOLS=LAGOMAR LOT 40
9422 LAGOMAR CT
NAPLES FLORIDA 34114
1933

CONTRACTOR: FABRITECH
5755 Corporation Cir.
Fort Myers, FL 33905

(DRAWN BY) MS
(CHECKED BY)

(SHEET NUMBER)

S-2

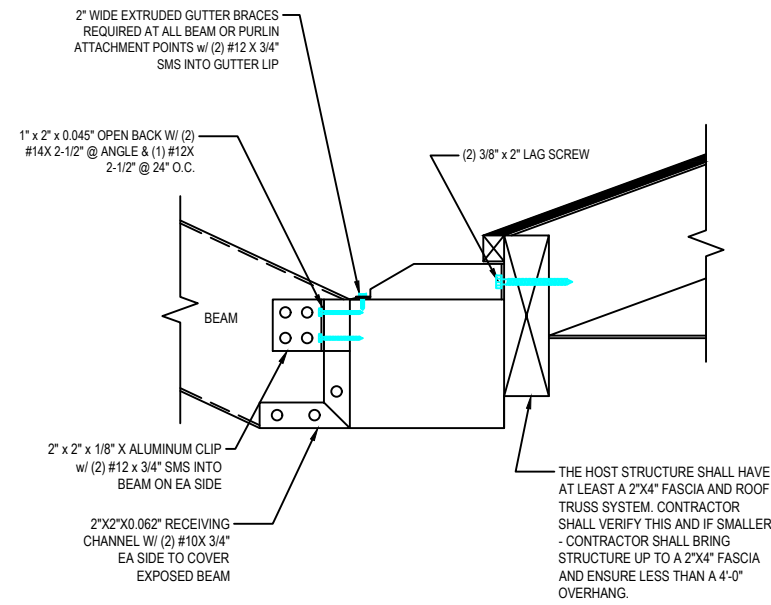
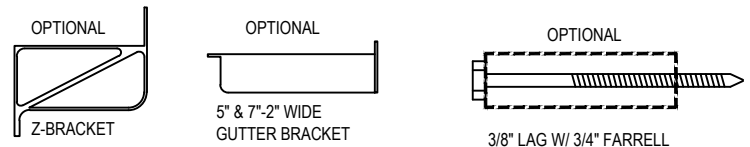
PROJECT INFORMATION
(PROJECT NUMBER - #0000)

PROJECT ADDRESS
FOUNTAIN POOLS=LAGOMAR LOT 40
9422 LAGOMAR CT
NAPLES FLORIDA 34114 1933

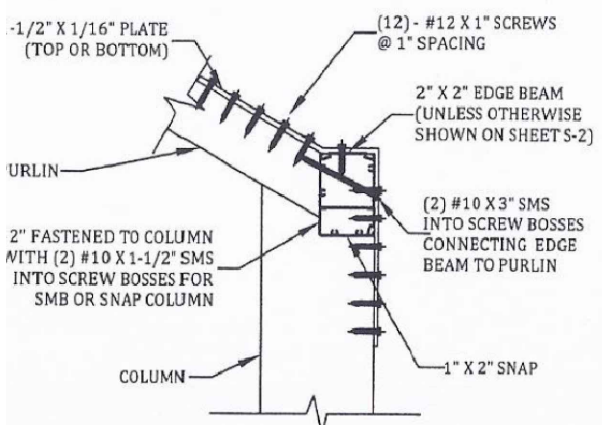
CONTRACTOR
FABRITECH
5755 Corporation Cir.
Fort Myers, FL 33905

(DRAWN BY) MS
(CHECKED BY)

(SHEET NUMBER)
S-3

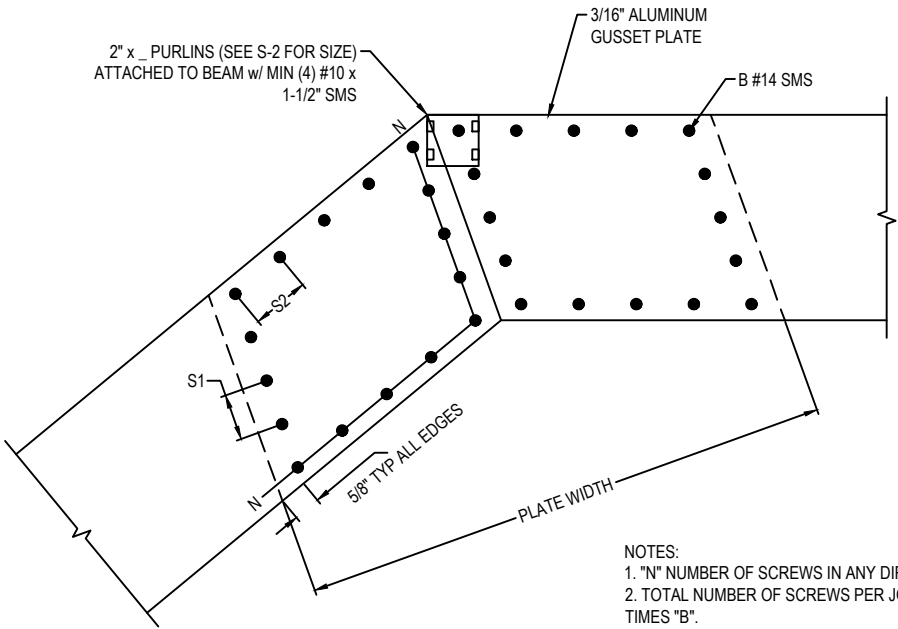


TYPICAL GUTTER BRACE & BEAM ATTACHMENT DETAIL
SCALE: N.T.S.



NOTE: A RECEIVING CHANNEL (1/16\" THICKNESS)
WITH (4) #10 X 3/4\" SMS AT EACH CONNECTION MAY
BE USED IN PLACE OF THE (2) #10 X 3\" SCREW BOSS
CONNECTION.

TYPICAL SLOPED OR FLAT PURLIN CONNECTION DETAIL
SCALE: N.T.S.



- NOTES:
1. "N" NUMBER OF SCREWS IN ANY DIRECTION.
 2. TOTAL NUMBER OF SCREWS PER JOINT EQUALS 4 TIMES "B".
 3. PLATE WIDTH SHALL BE DETERMINED FROM ANGLE OF BEAM AND MIN. SPACE REQUIRED.
 4. GUSSET PLATES MAY BE INTERNAL OR EXTERNAL.
 5. INTERNAL SCREWS FOR PURLIN CONNECTION MAY BE INCLUDED IN TOTAL NUMBER OF SCREWS.
 6. GABLE SPLICE WILL HAVE THE SAME PATTERN.

BEAM	"B"	"N"	"S1"	"S2"
2X4	12	4	3/4"	1-1/2"
2X5	12	4	3/4"	1-1/2"
2X6	16	5	1"	1-1/2"
2X7	20	6	1"	1"
2X8	24	7	1"	1-1/4"
2X9	24	7	1"	1-3/8"
2X10	28	8	1"	1-1/8"

TYPICAL BEAM SPLICE GUSSET DETAIL
SCALE: N.T.S.

(MORE MAY BE USED IF SPACING
REQUIREMENTS ARE MET)

FOR SLOPED BEAMS,
MAINTAIN ALL SCREW SPACING FROM
EDGE OF BEAM

2" x 2" EAVE RAIL SECTION
(UNLESS OTHERWISE ON SHEET
S-2) - ATTACHED TO BEAM w/ (4) 1
1/2" SMS INTO SCREW BOSS

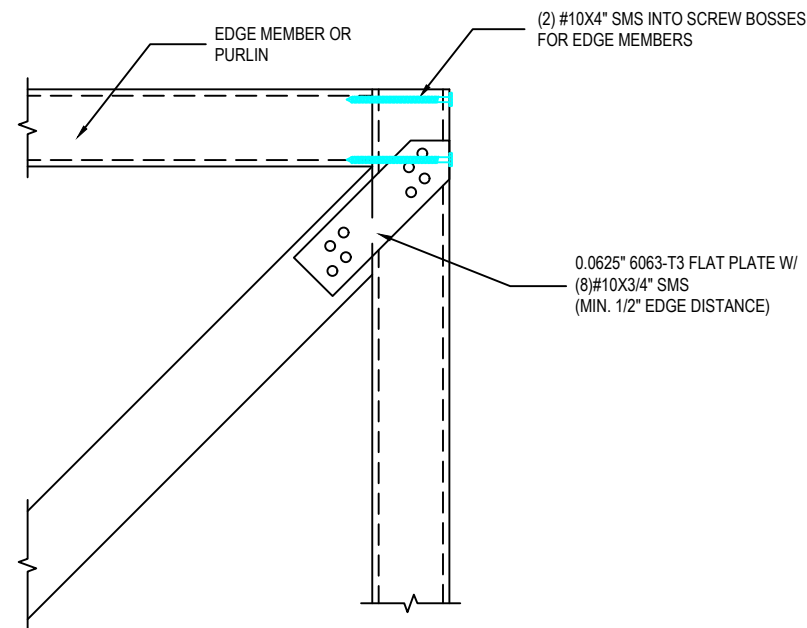
1" X 2" OPEN BACK EAVE RAIL
ATTACHED TO UPRIGHT w/ (2)
#10 x 1 1/2" SMS & INTO SCREW
BOSS w/ #10 X 1 1/2" SMS 24"
C/C

SEE # OF #10 x 3/4" SCREWS
REQUIRED IN TABLE ABOVE

SELF-MATING BEAM
SHALL BE NOTCHED
FOR UPRIGHT

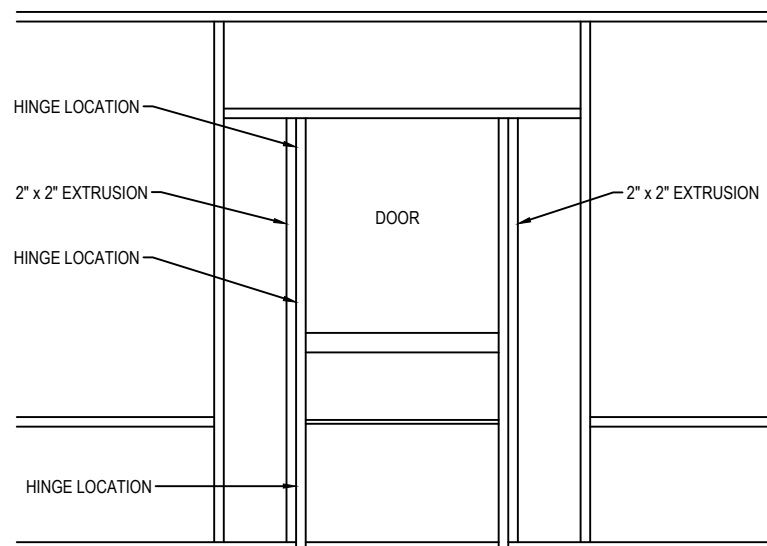
TYPICAL CONNECTION - ALL WIND ZONES

SCALE: N.T.S.



TYPICAL ROOF BRACING CONNECTION DETAIL

SCALE: N.T.S.

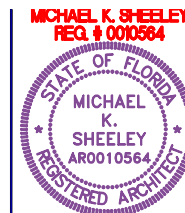


NOTES:

1. HINGES SHALL BE ATTACHED TO STRUCTURE W/ (4) #10 x 5/8" SMS MINIMUM.
2. DOOR SHALL BE ATTACHED TO ENCLOSURE W/ (2) HINGES MINIMUM.
3. HINGES SHALL BE ATTACHED TO DOOR W/ (4) #10 x 5/8" SMS. FASTEN A 1" x 2" x 0.044" TO UPRIGHT W/ #12 x 1" SMS @ 12" O.C. AND WITHIN 3" FROM END OF THE UPRIGHT.

TYPICAL SCREEN DOOR CONNECTION DETAIL

SCALE: N.T.S.



**SHEELEY ARCHITECTS
INCORPORATED**

8200 COLLEGE PARKWAY SUITE 101

FORT MYERS, FL 33919

AA# 0002319

PROJECT INFORMATION

PROJECT NUMBER - #00000

PROJECT ADDRESS|

FOUNTAIN POOLS=LAGOMAR LOT 40

9422 LAGOMAR CT

1933

CONTRACTOR

FABRITECH

5755 Corporation Cir.

Fort Myers, FL 33905

DRAWN BY

CHECKED BY

1

[**SHEET NUMBER**]

S-4

MICHAEL K. SHEELEY, AIA
FLORIDA REG. #10564

