

GENERAL NOTES

- 1. THE NOTES ON THESE DRAWINGS ARE NOT INTENDED TO REPLACE SPECIFICATIONS...
2. EDITIONS OF PORTAL STANDARDS REFERENCED ON THIS DRAWING SHALL BE AS INDICATED IN THE BUILDING CODES.
3. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ALL OTHER PROJECT DRAWINGS AND SPECIFICATIONS...

CONCRETE NOTES

- 1. CONCRETE WORK SHALL CONFORM TO THE ACI MANUAL OF CONCRETE PRACTICE, INCLUDING BUT NOT LIMITED TO ACI 318 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE' AND ACI 301 'SPECIFICATIONS FOR STRUCTURAL CONCRETE.'
2. CONCRETE FOUNDATIONS SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,500 PSI. CONCRETE SLABS SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI...

LINTELS

- 1. THE FOLLOWING LINTELS SHALL BE USED FOR BRICK MASONRY OPENINGS, U.N.O. ON DRAWINGS OR UNLESS THERE IS A POINT LOAD IN VICINITY OF LINTEL.
MASONRY OPENING UP TO 4'-0" LINTEL SIZE L 4 x4 x 5/16
2. PROVIDE ONE ANGLE FOR EACH 4" WALL THICKNESS...

WALL COMPONENTS & CLADDING NET WIND PRESSURES (PSF)

Table with 2 main zones (ZONE 4 and ZONE 5) and tributary areas. Values range from +31 to -26.

REFERENCE: ASCE 7-16, FIG 30.1-1 ROOF TYPE: GABLE OR FLAT ROOF a=3 FT

ROOF COMPONENTS & CLADDING NET WIND PRESSURES (PSF)

Table with 3 zones (ZONE 1, ZONE 2, ZONE 3/OVERHANG) and tributary areas. Values range from +13 to -61.

REFERENCE: ASCE 7-16, FIG 30.3-2A ROOF TYPE: GABLE OR FLAT ROOF a=3 FT

DESIGN LOADS

- 1. BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC), 2021 EDITION ASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, RISK CATEGORY II
2. DESIGN FLOOR LIVE LOADS: UNIFORM / CONCENTRATED LOBBIES, FIRST FLOOR CORRIDORS, & PUBLIC AREAS 100 PSF / 2,000 LBS OFFICES & EXAM ROOMS 80 PSF / 2,000 LBS STAIR & EXIT WAYS 100 PSF / 1,000 LBS MECHANICAL ROOMS 150 PSF

FOUNDATION NOTES (soil supported/pile supported)

- 1. FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE DRAFT REPORT ENTITLED 'EXPLORATIONS AND GEOTECHNICAL SERVICES...
2. FOUNDATION DESIGN IS BASED ON SHALLOW SPREAD FOOTINGS BEARING ON IMPROVED SOILS, OR PILE SUPPORTED WHERE SHOWN ON THE DRAWINGS...

STRUCTURAL STEEL NOTES

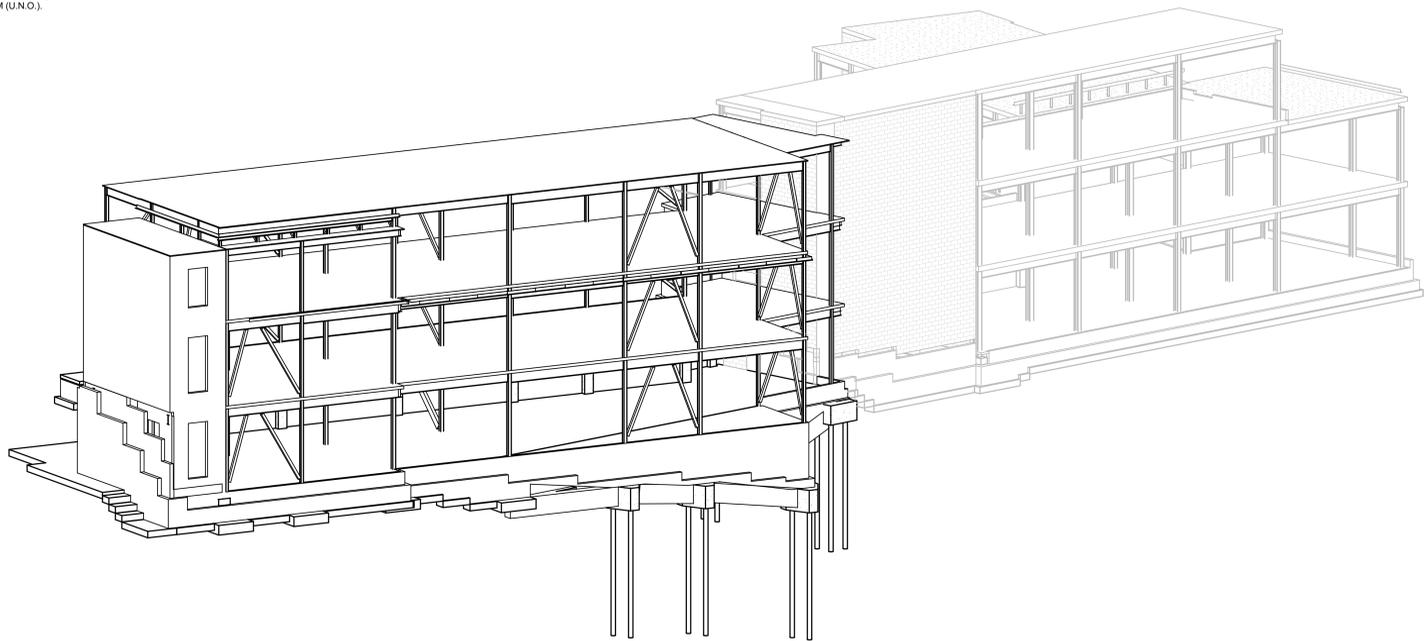
- 1. STRUCTURAL STEEL DESIGN, DETAIL, FABRICATION, AND ERECTION SHALL CONFORM TO ANSIAISC 360 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS' AND TO ANSIAISC303 'CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.'
2. STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED OTHERWISE: A. STEEL PLATES, SHAPES, AND BARS: ASTM A36 B. WIDE-FLANGE SECTIONS: ASTM A992 C. HOLLOW STRUCTURAL SECTIONS (HSS): ASTM A500 GR. C D. PIPES: ASTM A53 GR. B

METAL DECK

- 1. METAL DECK DESIGN, DETAIL, FABRICATION, AND ERECTION SHALL CONFORM TO THE STANDARDS OF THE STEEL DECK INSTITUTE (SDI).
2. REFERENCE PROJECT SPECIFICATIONS FOR DECK ATTACHMENTS, PENETRATION REINFORCEMENT, AND ACCESSORIES.
3. THE METAL DECK SHALL BE FORMED OF STEEL SHEETS CONFORMING TO THE FOLLOWING STANDARDS: G60 GALVANIZED ZINC COATING, ASTM A653, STRUCTURAL QUALITY, GRADE 33 OR HIGHER...

MASONRY NOTES

- 1. MASONRY WORK SHALL CONFORM TO ACI 530.1 'BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES.'
2. ALL CONCRETE MASONRY UNITS IDENTIFIED ON THESE DRAWINGS FOR STRUCTURAL PURPOSES, INCLUDING BUT NOT BY LIMITATION, LOAD BEARING WALLS, STAIR SHAFTS, ELEVATOR SHAFTS, AND SHEAR WALLS, SHALL BE CONSTRUCTED FROM ASTM C90 NORMAL WEIGHT 2-CELL BLOCKS.
3. FIRE-RATED MASONRY UNITS SHALL BE PROVIDED WHERE REQUIRED BY THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

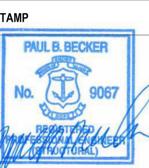


- 5. NO FILL FOR BUILDING SUPPORT SHALL BE PLACED UNTIL SUBGRADES HAVE BEEN OBSERVED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
6. REFERENCE THE GEOTECHNICAL REPORT FOR ALL EXCAVATION, BACKFILL, COMPACTION, CONSTRUCTION DEWATERING AND PERMANENT DRAINAGE REQUIREMENTS.
7. NO BACKFILL SHALL BE PLACED AGAINST FOUNDATION WALLS RETAINING EARTH, UNLESS WALLS ARE ADEQUATELY BRACED TO PREVENT MOVEMENT OR STRUCTURAL DAMAGE.

Table with 3 columns: Revisions, Revision Description, Date. Includes a north arrow and project name.

CONSULTANT Thornton Tomasetti logo and name.

ARCHITECT/ENGINEER OF RECORD WBRC ARCHITECTS • ENGINEERS logo and contact information.

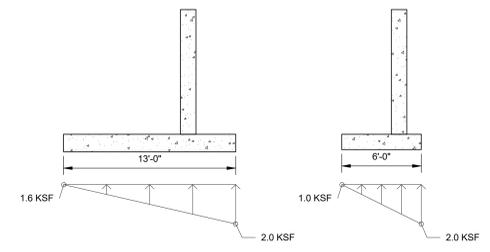


Office of Construction and Facilities Management logo and VA U.S. Department of Veterans Affairs text.

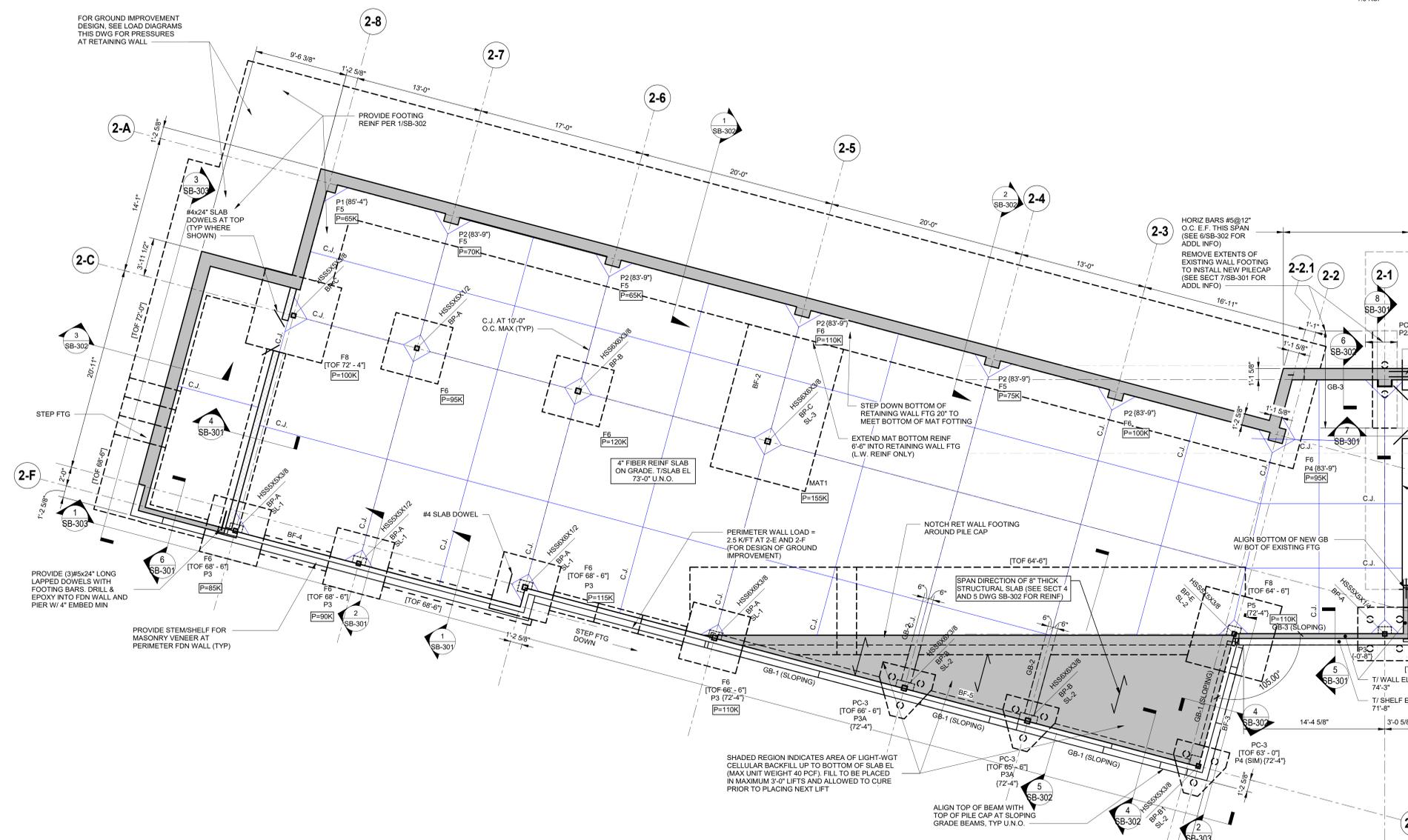
Drawing Title: GENERAL NOTES. Approved by VA RI FACILITIES MANAGEMENT SERVICE.

Phase: CONSTRUCTION DOCUMENTS. FULLY SPRINKLERED.

Project Title: NEW MENTAL HEALTH BUILDING - PHASE 2. Project Number: 650-347. Building Number: 39. Drawing Number: SS-001.



RETAINING WALL DESIGN PRESSURES (FOR GROUND IMPROVEMENT DESIGN)



FOUNDATION PLAN
3/16"=1'-0"

- NOTES:**
- G.C. SHALL VERIFY IN FIELD ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION.
 - TOP OF SLAB ELEVATION 73'-0" U.N.O.
 - T.O.F. (X-XX') INDICATES TOP OF FOOTING ELEVATION. T.FTG 72'-4" U.N.O. BY (T.O.F. X-XX')
 - F3, F4, ETC. INDICATES REINFORCED CONCRETE SPREAD FOOTING (SEE SCHED THIS DWG FOR ADDL INFO)
 - PC-2, PC-3, ETC INDICATES CONCRETE PILE CAP W/ 40-TON PIPE PILES (SEE DWG SB-303 FOR DETAILS).
 - GB-1, GB-2, ETC. INDICATES CONCRETE GRADE BEAM (SEE SCHED AND DETAIL DWG SB-303)
 - P1, P2, ETC. INDICATES REINFORCED CONCRETE PIER (SEE DWG SB-300 FOR DETAILS), TOP OF PIER EL 72'-0" UNLESS INDICATED BY (X-XX')
 - BP-A, BP-B, ETC. INDICATES COLUMN BASEPLATE (SEE DWG SF-500 FOR DETAILS).
 - BF-1, BF-2, ETC INDICATES BRACE FRAME. SEE BRACED FRAME ELEVATIONS DWG SF-401.
 - C.J. INDICATES CONTRACTION/CONSTRUCTION JOINT (SEE TYP DETAILS SB-300).
 - S.K. INDICATES SHEAR KEY BONDOUT FOR SHEAR LUG (SEE SX AND BASEPLATE DETAILS SF-501)
 - C.C. COORDINATE UTILITY SERVICE ENTRANCES W/ CIVIL AND MEP DWGS. STEP WALL DOWN AND SLEEVE UTILITIES THROUGH WALL W/ 6" MIN CLEAR FROM INVERT TO TOP OF FOOTING. PROVIDE SUPPLEMENTARY REINFORCEMENT AROUND SLEEVE OPENING PER TYP DETAIL SB-300. DO NOT SLEEVE THROUGH FOOTINGS.
 - P3XXX INDICATES FOOTING DESIGN LOAD TO BE CONSIDERED FOR GROUND IMPROVEMENT DESIGN. IN ADDITION, 80 PSF LIVE LOAD SHALL BE CONSIDERED OVER ENTIRE FLOOR. LOADS PROVIDED ARE PER ASCE 7 ASD LOAD COMBINATIONS. FOUNDATION WEIGHTS NOT INCLUDED IN DESIGN LOADS.
 - REMOVE EXISTING CMU INFILL. EXISTING CMU CONNECTED ON SIDES WITH THREADED REBAR COUPLERS. DEMO BY KNOCKING OUT CMU BLOCKS, LEAVING SURROUNDING CONCRETE WALLS INTACT AND UNDAMAGED. UNTHREAD OR CUT OFF DOWELS AFTER CMU HAS BEEN REMOVED.

FOOTING SCHEDULE		
FOOTING MARK	FOOTING SIZE	REINF EACH WAY BOT U.N.O.
F4	4'-0"x4'-0"x1'-0"	4#5
F5	5'-0"x5'-0"x1'-2"	5#6
F6	6'-0"x6'-0"x1'-4"	6#7
F8	8'-0"x8'-0"x1'-8"	8#7
MAT1	Lx10'-0"x3'-0"	10#8 L.W. BOT 10#6 L.W. TOP #8@16" O.C. S.W. BOT #6@16" O.C. S.W. BOT

NOTE: AT RETAINING WALL FOOTING DESIGNATION IS FOR ADDITION OF REBAR MAT ONLY.
AT MAT FOOTINGS, LONG WAY BARS SHALL HAVE TOP AND BOT PRIORITY.

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VA FORM 08 - 6231

Revisions:	Revision Description	Date:

CONSULTANT

Thornton Tomasetti

ARCHITECT/ENGINEER OF RECORD

WBRC
ARCHITECTS • ENGINEERS

WWW.WBRCAE.COM
BANGOR, MAINE 207-947-4511
PORTLAND, MAINE 207-833-4511
SARASOTA, FLORIDA 941-556-0757

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VA U.S. Department of Veterans Affairs

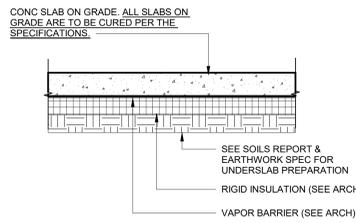
Drawing Title
LEVEL B/FOUNDATION PLAN

Approved:
VA RI FACILITIES MANAGEMENT SERVICE

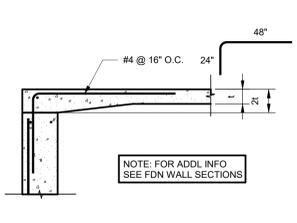
Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

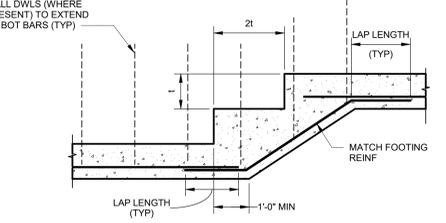
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Location 830 CHALKSTONE AVE PROVIDENCE, RI 02908		Building Number 39
Issue Date FEB 04 2022	Checked EAR	Drawn CGW
Drawing Number SB-101		



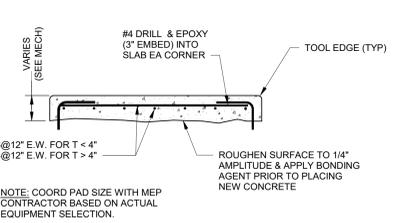
TYP SLAB DETAIL U.N.O.
N.T.S.



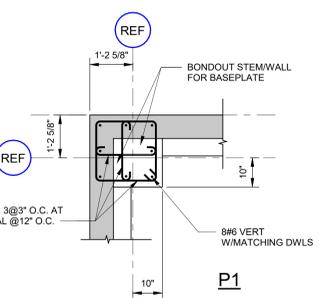
TYPICAL SLAB DETAIL AT DOOR
N.T.S.
t = SLAB THICKNESS



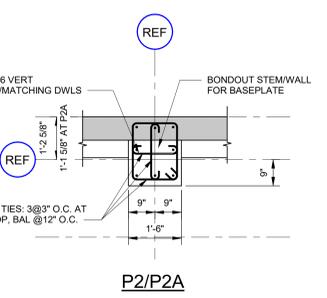
TYP STEP FOOTING DETAIL
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t = FOOTING THICKNESS



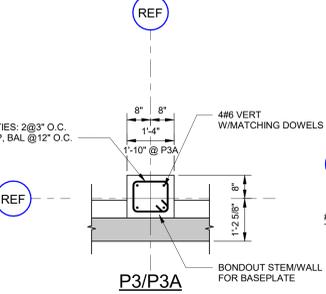
TYP EQUIPMENT HOUSEKEEPING PAD DETAIL
N.T.S.



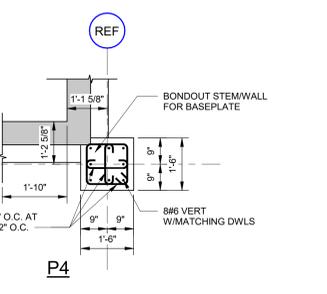
P1



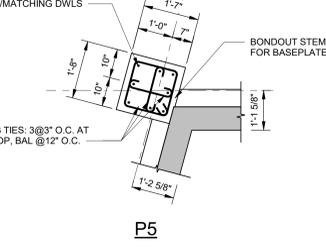
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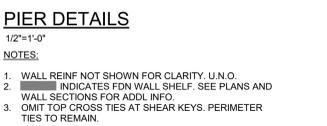
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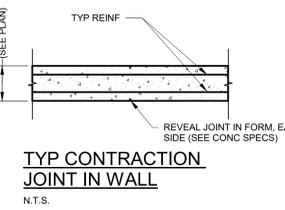
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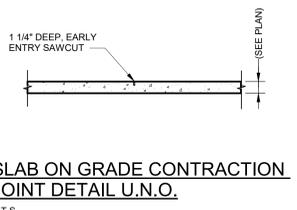
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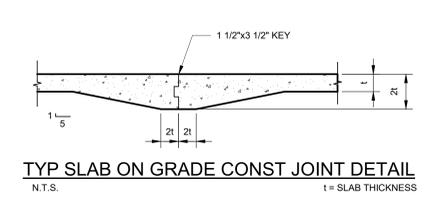
PIER DETAILS
1/2"=1'-0"
NOTES:
1. WALL REIN NOT SHOWN FOR CLARITY. U.N.O.
2. Hatched area INDICATES FDN WALL SHELF. SEE PLANS AND WALL SECTIONS FOR ADDL INFO.
3. OMIT TOP CROSS TIES AT SHEAR KEYS. PERIMETER TIES TO REMAIN.



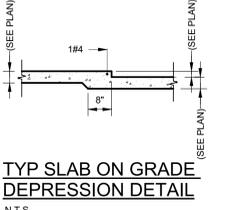
TYP CONTRACTION JOINT IN WALL
N.T.S.



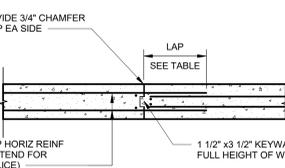
SLAB ON GRADE CONTRACTION JOINT DETAIL U.N.O.
N.T.S.



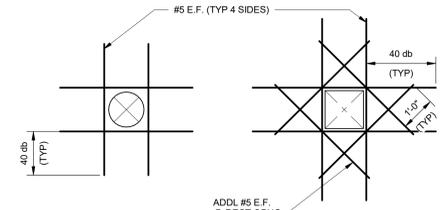
TYP SLAB ON GRADE CONST JOINT DETAIL
N.T.S.
t = SLAB THICKNESS



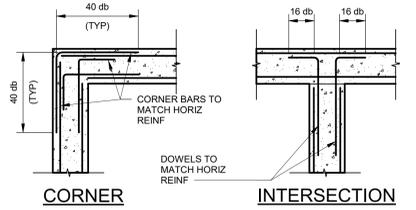
TYP SLAB ON GRADE DEPRESSION DETAIL
N.T.S.



TYP CONSTRUCTION JOINT IN WALL
N.T.S.

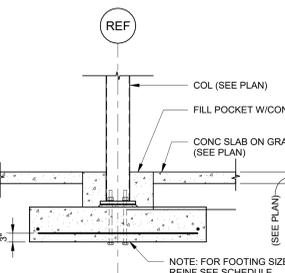


TYP OPENING IN WALL OR SLAB DETAIL
N.T.S.

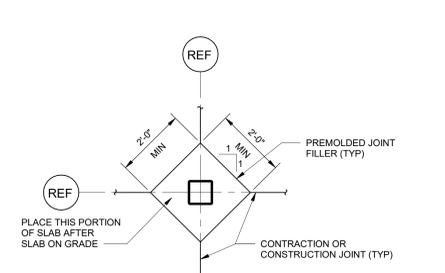


CORNER INTERSECTION

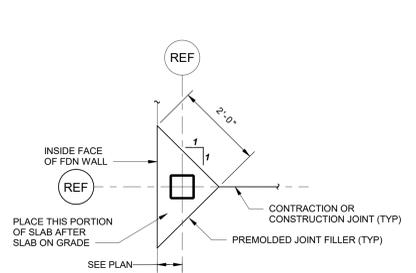
BAR SIZE	LAP LENGTH	
	3,500 PSI	5,000 PSI
#3	30"	24"
#4	36"	32"
#5	48"	42"
#6	56"	48"
#7	81"	72"
#8	93"	80"



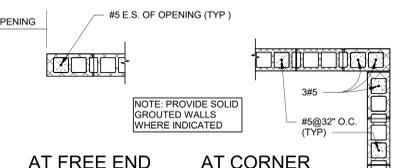
TYP INTERIOR FOOTING DETAIL U.N.O.
N.T.S.



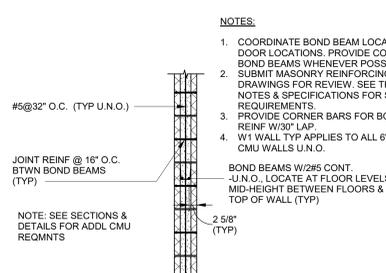
TYP INT COLUMN ISOLATION JOINT DETAIL
N.T.S.



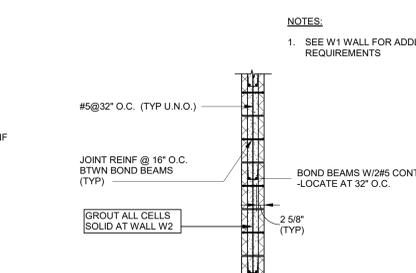
TYP EXT COLUMN ISOLATION JOINT DETAIL
N.T.S.



TYP PLAN DETAILS AT CMU WALLS
N.T.S.



WALL TYPE W1 SECTION (TYP. U.N.O.)
N.T.S.



WALL TYPE W2 SECTION
N.T.S.

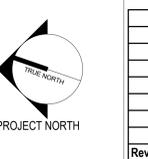
CLEAR SPAN	WIDTH	DEPTH	REIN	BEARING LENGTH AT ENDS
< 3'-0"	8"	8"	2#5 CONT	8"
3'-0" - 6'-0"	8"	8"	2#5 CONT	16"
6'-0" - 12'-0"	8"	16"	2#5 CONT	16"

CMU LINTEL SCHEDULE (U.N.O.)

- NOTES:
1. PROVIDE LADUR TIE HORIZ REIN @ 16" O.C. U.N.O.
 2. PROVIDE MATCHING CORNER & INTERSECTION DOWELS AT ALL BOND BEAMS
 3. ALL REINFORCED CELLS ARE TO BE FULLY GROUTED.
 4. PROVIDE 30" MIN LAP SPLICES.
 5. PROVIDE LINTELS ABOVE ALL OPENINGS PER THE SCHEDULE. EXTEND BEYOND EDGE OF OPENING.

- NOTES:
1. COORDINATE BOND BEAM LOCATIONS WITH DOOR LOCATIONS. PROVIDE CONTINUOUS BOND BEAMS WHENEVER POSSIBLE.
 2. SUBMIT MASONRY REINFORCING SHOP DRAWINGS FOR REVIEW. SEE THE GENERAL NOTES & SPECIFICATIONS FOR SPECIFIC REQUIREMENTS.
 3. PROVIDE CORNER BARS FOR BOND BEAM REIN W/30" LAP.
 4. W1 WALL TYP APPLIES TO ALL 6" AND 8" REIN CMU WALLS U.N.O.

- NOTES:
1. SEE W1 WALL FOR ADDL REQUIREMENTS



Revisions:	Revision Description	Date:

CONSULTANT

Thornton Tomasetti

ARCHITECT/ENGINEER OF RECORD

WBRC

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WWW.WBRCAE.COM
BANGOR, MAINE 207-947-4511
PORTLAND, MAINE 207-838-4511
SARASOTA, FLORIDA 941-556-0757

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PAUL B. BECKER

No. 9067

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title

TYPICAL FOUNDATION DETAILS

Approved:

VA RI FACILITIES MANAGEMENT SERVICE

Phase

CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title

NEW MENTAL HEALTH BUILDING - PHASE 2

Location

830 CHALKSTONE AVE PROVIDENCE, RI 02908

Issue Date

FEB 04 2022

Checked

CGW

Drawn

ATS

Project Number

650-347

Building Number

39

Drawing Number

SB-300

A

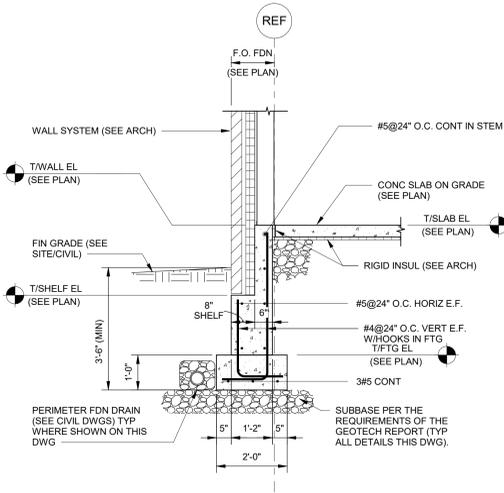
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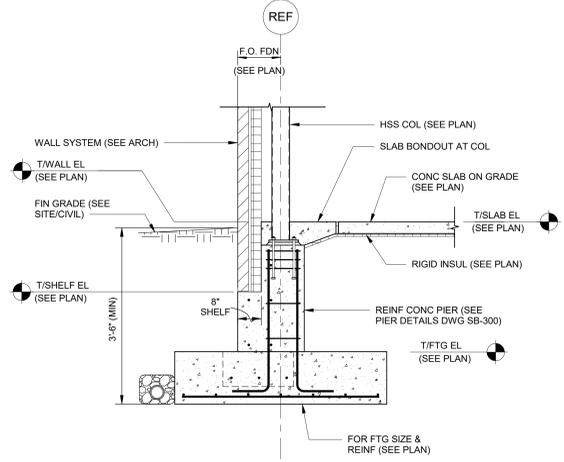
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E

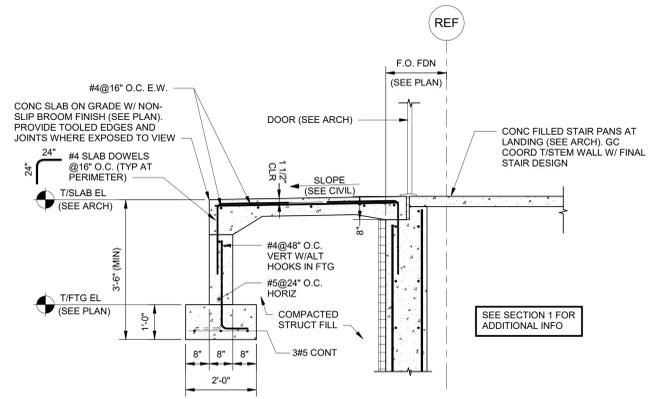
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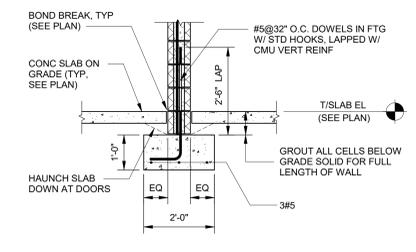
1 SB-301/SECT 1
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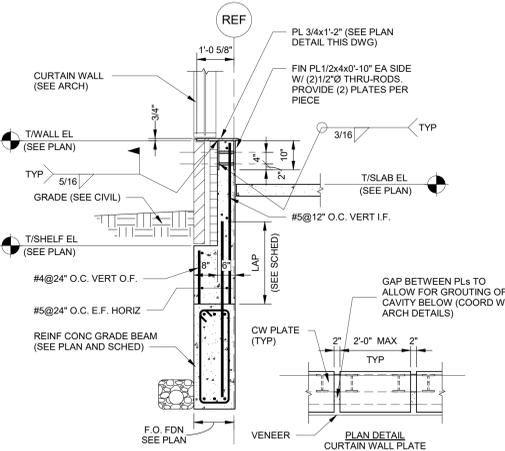
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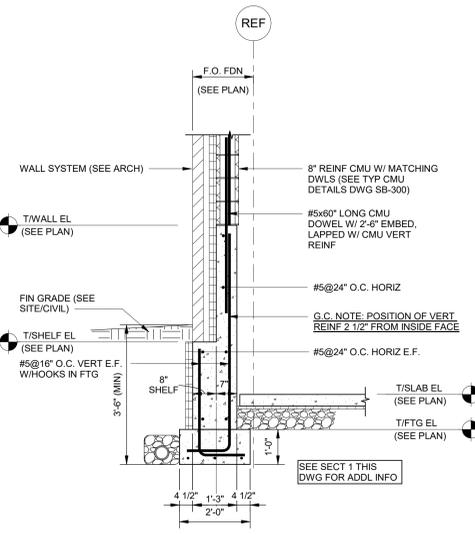
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SCALE: 1/2" = 1'-0"



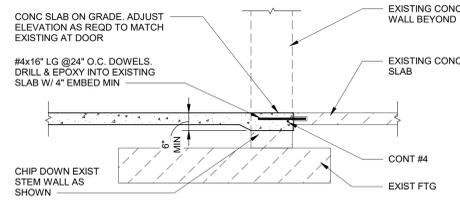
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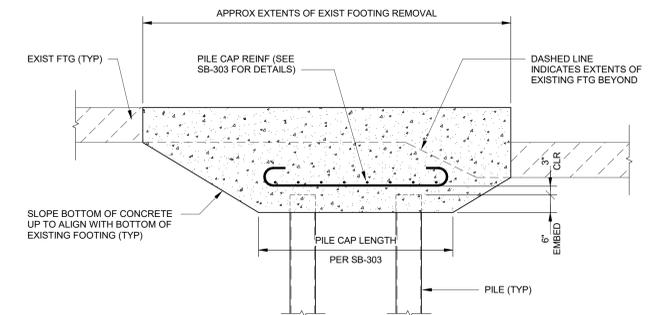
5 SB-301/SECT 5
SCALE: 1/2" = 1'-0"



6 SB-301/SECT 6
SCALE: 1/2" = 1'-0"



7 SB-301/SECT 7
SCALE: 1/2" = 1'-0"



8 SB-301/SECT 8
SCALE: 1/2" = 1'-0"

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Revisions:	Revision Description	Date:

CONSULTANT
Thornton Tomasetti

ARCHITECT/ENGINEER OF RECORD
WBRC
ARCHITECTS • ENGINEERS
WWW.WBRCAE.COM
BANGOR, MAINE 207-947-4511
PORTLAND, MAINE 207-838-4511
SARASOTA, FLORIDA 941-556-0757

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PAUL B. BECKER
No. 9067
Professional Engineer
State of Rhode Island

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
FOUNDATION SECTIONS & DETAILS
Approved:
VA RI FACILITIES MANAGEMENT SERVICE

Phase
CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Project Title
NEW MENTAL HEALTH BUILDING - PHASE 2
Location
830 CHALKSTONE AVE PROVIDENCE, RI 02908
Issue Date
FEB 04 2022
Checked
CGW
Drawn
ATS

Project Number
650-347
Building Number
39
Drawing Number
SB-301

A

B

C

D

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A

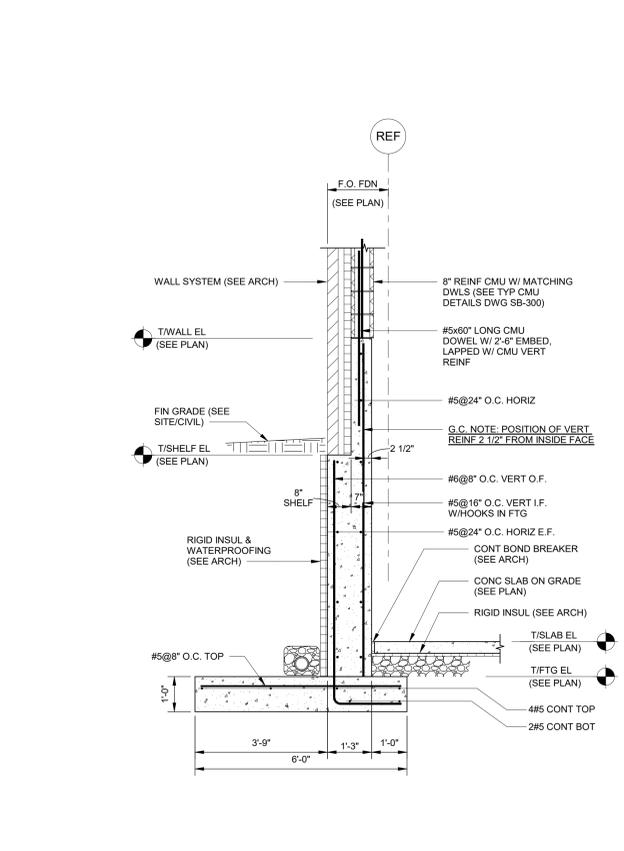
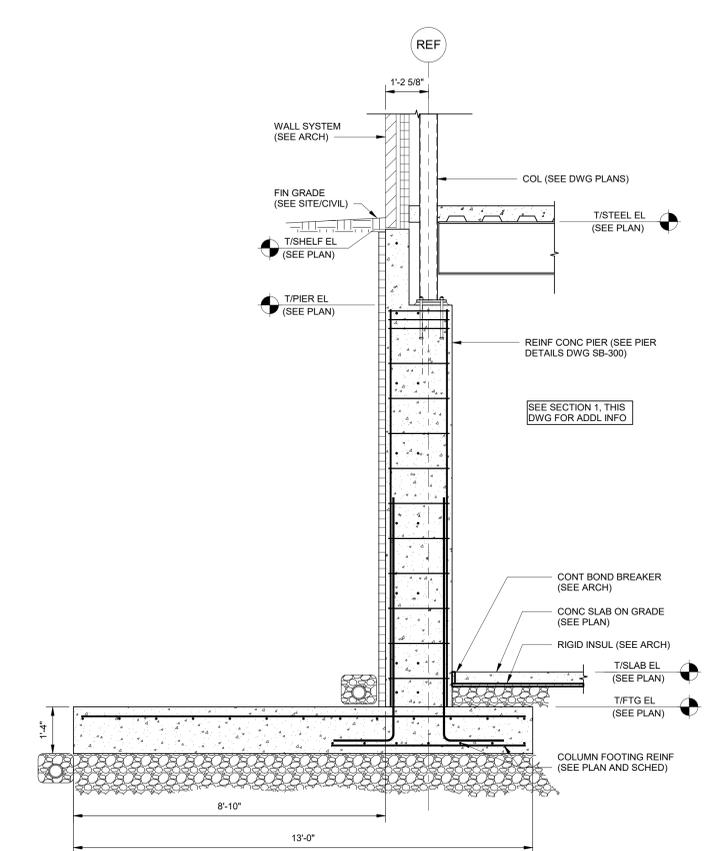
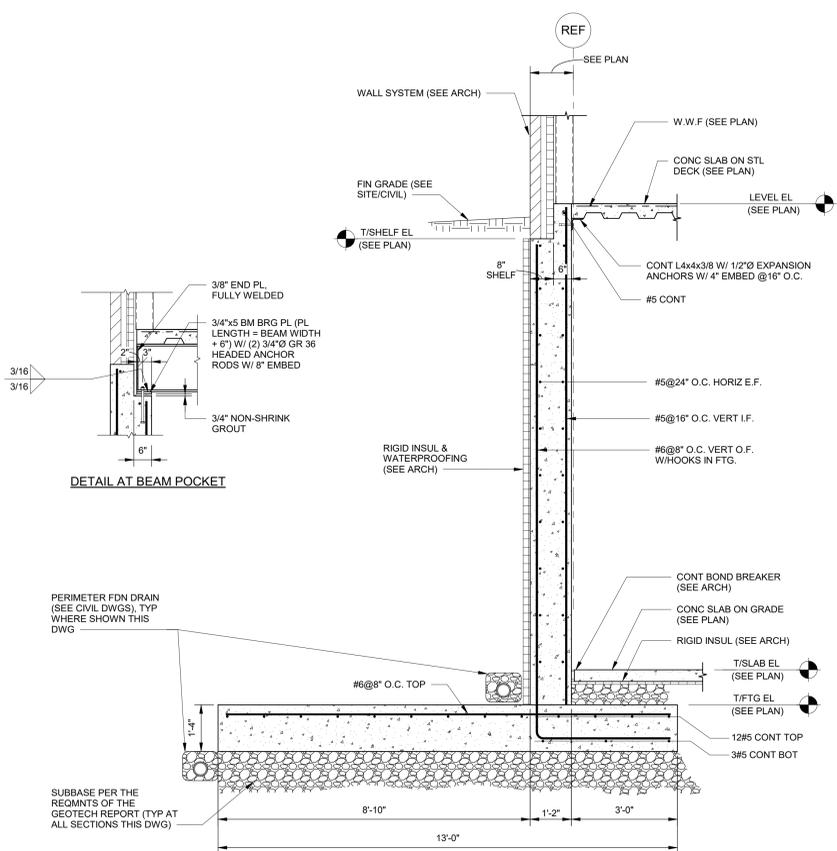
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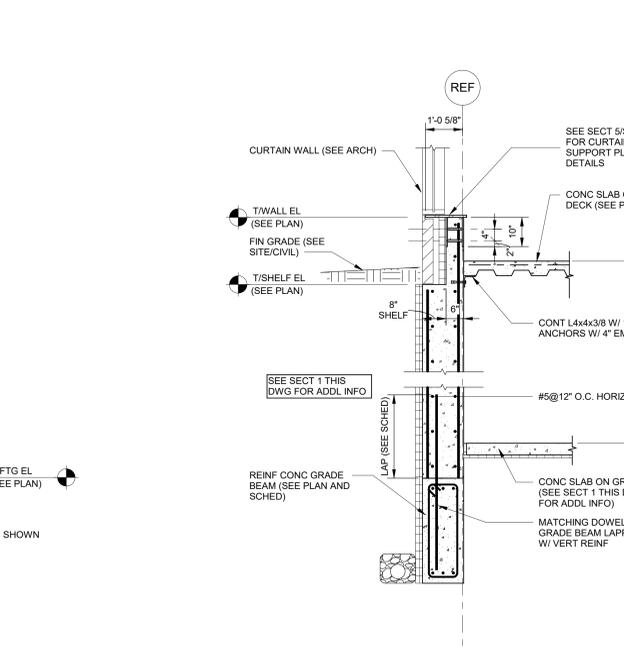
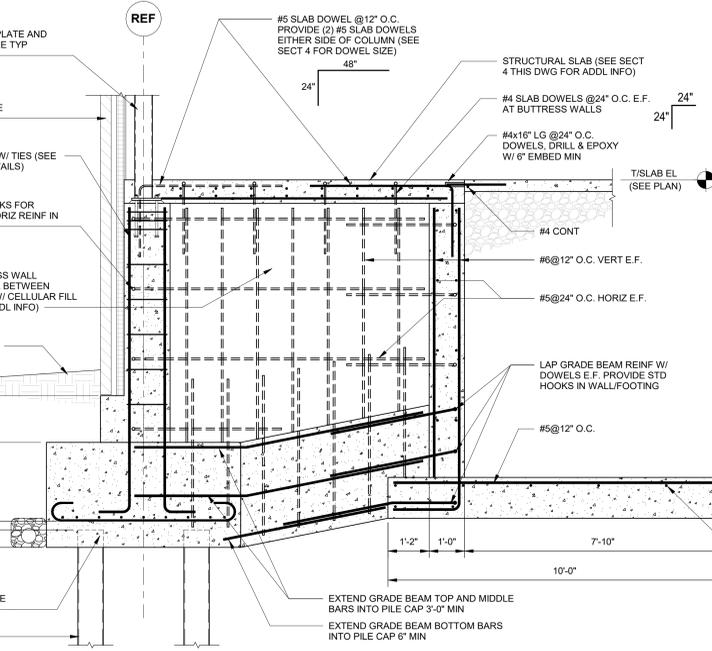
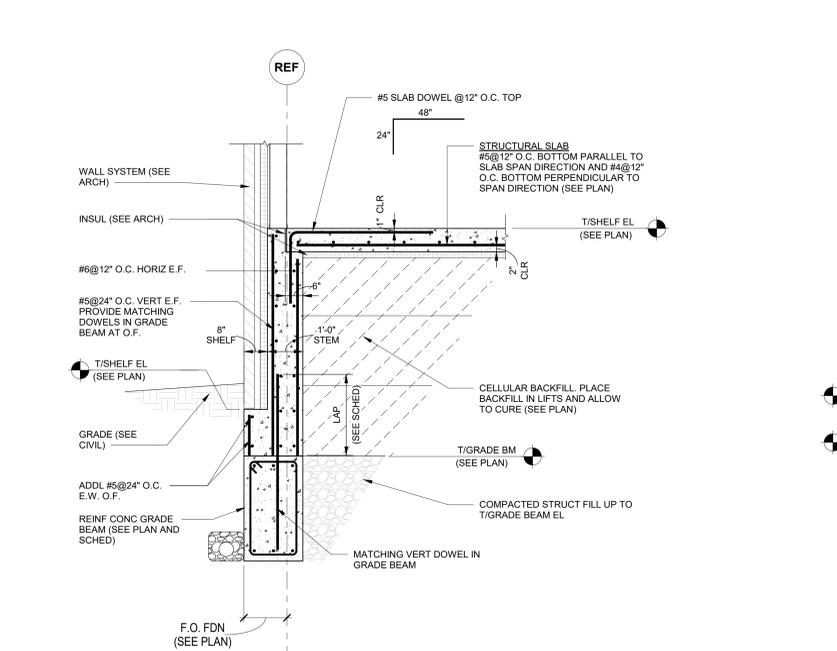
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1 SB-302/SECT 1
SCALE: 1/2" = 1'-0"

2 SB-302/SECT 2
SCALE: 1/2" = 1'-0"

3 SB-302/SECT 3
SCALE: 1/2" = 1'-0"



4 SB-302/SECT 4
SCALE: 1/2" = 1'-0"

5 SB-302/SECT 5
SCALE: 1/2" = 1'-0"

6 SB-302/SECT 6
SCALE: 1/2" = 1'-0"

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<p>PROJECT NORTH</p>		
Revisions:	Revision Description	Date:

CONSULTANT

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PAUL B. BECKER
No. 9067

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title
FOUNDATION SECTIONS & DETAILS

Approved:
VA RI FACILITIES MANAGEMENT SERVICE

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NEW MENTAL HEALTH BUILDING - PHASE 2

Location
830 CHALKSTONE AVE PROVIDENCE, RI 02908

Issue Date
FEB 04 2022

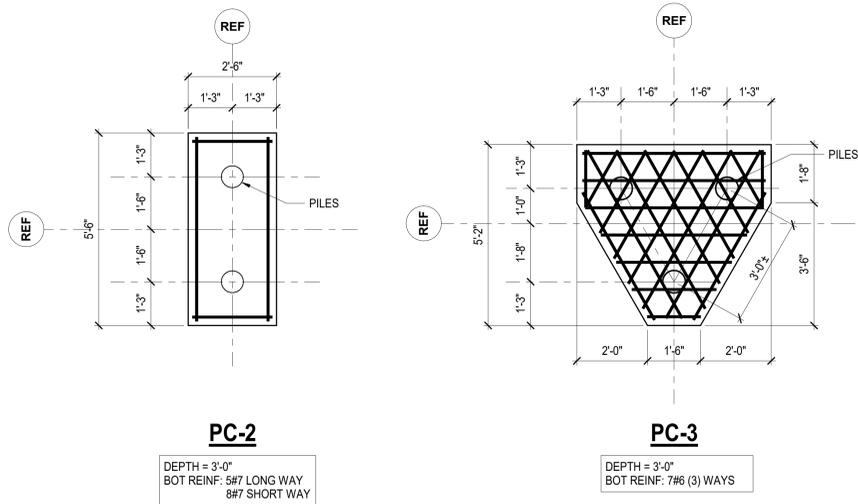
Checked
CGW

Drawn
ATS

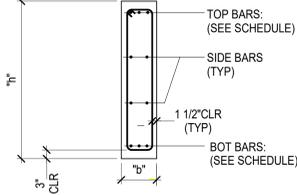
Project Number
650-347

Building Number
39

Drawing Number
SB-302

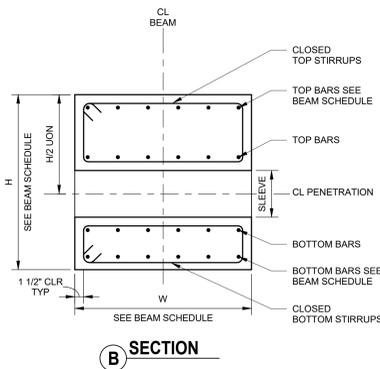
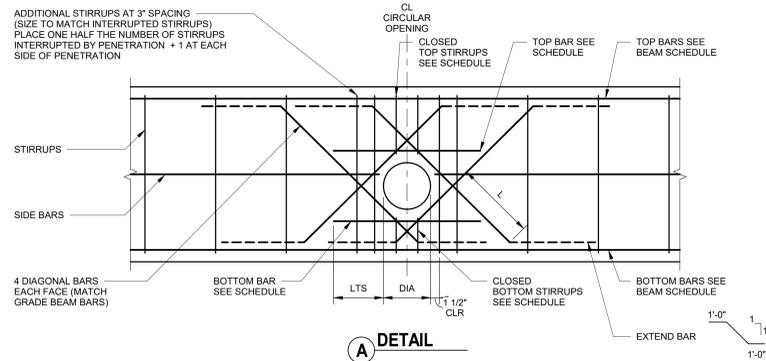


GRADE BEAM SCHEDULE						
MARK	SIZE		TOP BARS	BOT BARS	CLOSED STIRRUPS	HORIZ SIDE BARS (E.F.)
	b	h				
GB-1	1'-8"	3'-0"	4-#7	4-#7	#4 @12" O.C.	(1) ROW #4
GB-2	1'-0"	3'-0"	3-#6	3-#6	#3 @12" O.C.	(1) ROW #4
GB-3	1'-2"	3'-0"	3-#6	3-#6	#3 @12" O.C.	(1) ROW #4
GB-4	1'-2"	2'-0"	3-#6	3-#6	#3 @12" O.C.	None



TYP PILE CAP DETAILS
1/2"=1'-0"

- ALL REINFORCEMENT THIS DRAWING SHALL HAVE 180° HOOKS EA END U.N.O.

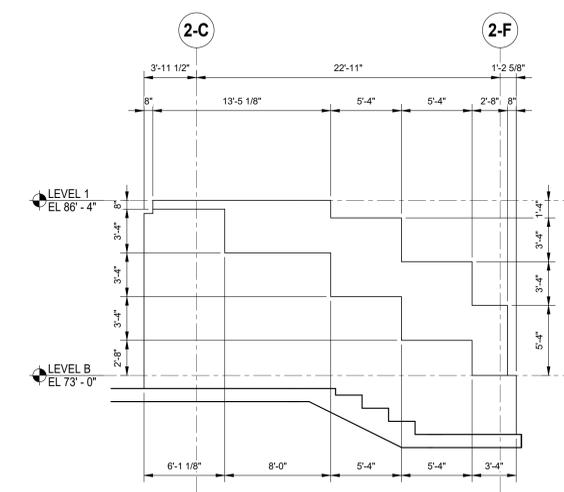
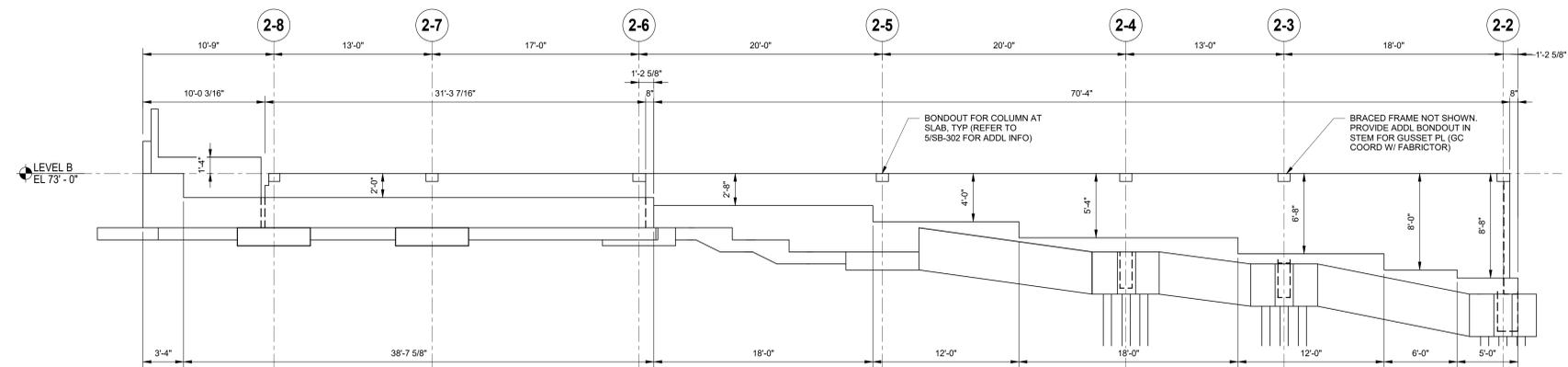
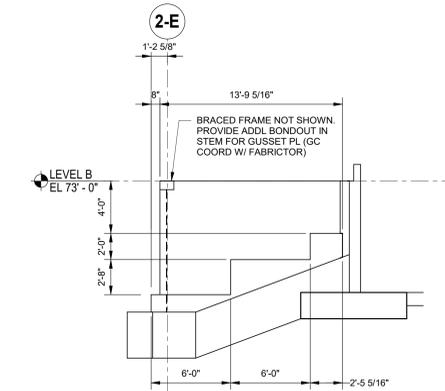


NOTES:

- ALL BEAM PENETRATIONS SHALL BE SHOWN ON THE SHOP DRAWINGS FOR REVIEW BY THE DESIGN PROFESSIONALS. NO PENETRATIONS SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM THE DESIGN PROFESSIONALS.
- THESE DETAILS SHALL BE USED IN CONJUNCTION WITH GRADE BEAM PENETRATION SCHEDULE.
- THE MINIMUM CLEAR SPACE BETWEEN TWO ADJACENT PENETRATIONS SHALL BE GREATER OF THE LARGEST PENETRATION DIMENSION OR TWO TIMES THE BEAM DEPTH.
- THE MINIMUM CLEAR DIMENSION FROM THE EDGE OF A PENETRATION AND THE FACE OF SUPPORT SHALL BE THE DEPTH OF THE BEAM.
- SEE STRUCTURAL DRAWINGS FOR PENETRATIONS. GENERAL CONTRACTOR SHALL VERIFY QUANTITY, SIZE, AND LOCATION OF ALL PENETRATIONS WITH MEP DRAWINGS. NOTIFY THE SER IN WRITING OF ANY DISCREPANCIES FOR REVIEW AND ACTION.
- NO ADDITIONAL REINFORCEMENT IS REQUIRED FOR OPENINGS WITH 4" DIAMETER OR SMALLER PROVIDED NO BEAM REINFORCEMENT IS INTERRUPTED AND MINIMUM CONCRETE COVER IS PROVIDED AROUND ALL BARS. IT IS ACCEPTABLE TO ADJUST BEAM REINFORCEMENT WITHIN MAXIMUM SPACING LIMITS FOR STIRRUPS OR SIDE BARS.

TYPICAL GRADE BEAM PENETRATION DETAIL

SCALE: NOT TO SCALE



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PROJECT NORTH

Revisions:	Revision Description	Date:

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VA U.S. Department of Veterans Affairs

Drawing Title
PILECAP & GRADE BEAM DETAILS, FOUNDATION WALL ELEVATIONS

Approved:
VA RI FACILITIES MANAGEMENT SERVICE

Phase
CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title
NEW MENTAL HEALTH BUILDING - PHASE 2

Location
830 CHALKSTONE AVE PROVIDENCE, RI 02908

Issue Date
FEB 04 2022

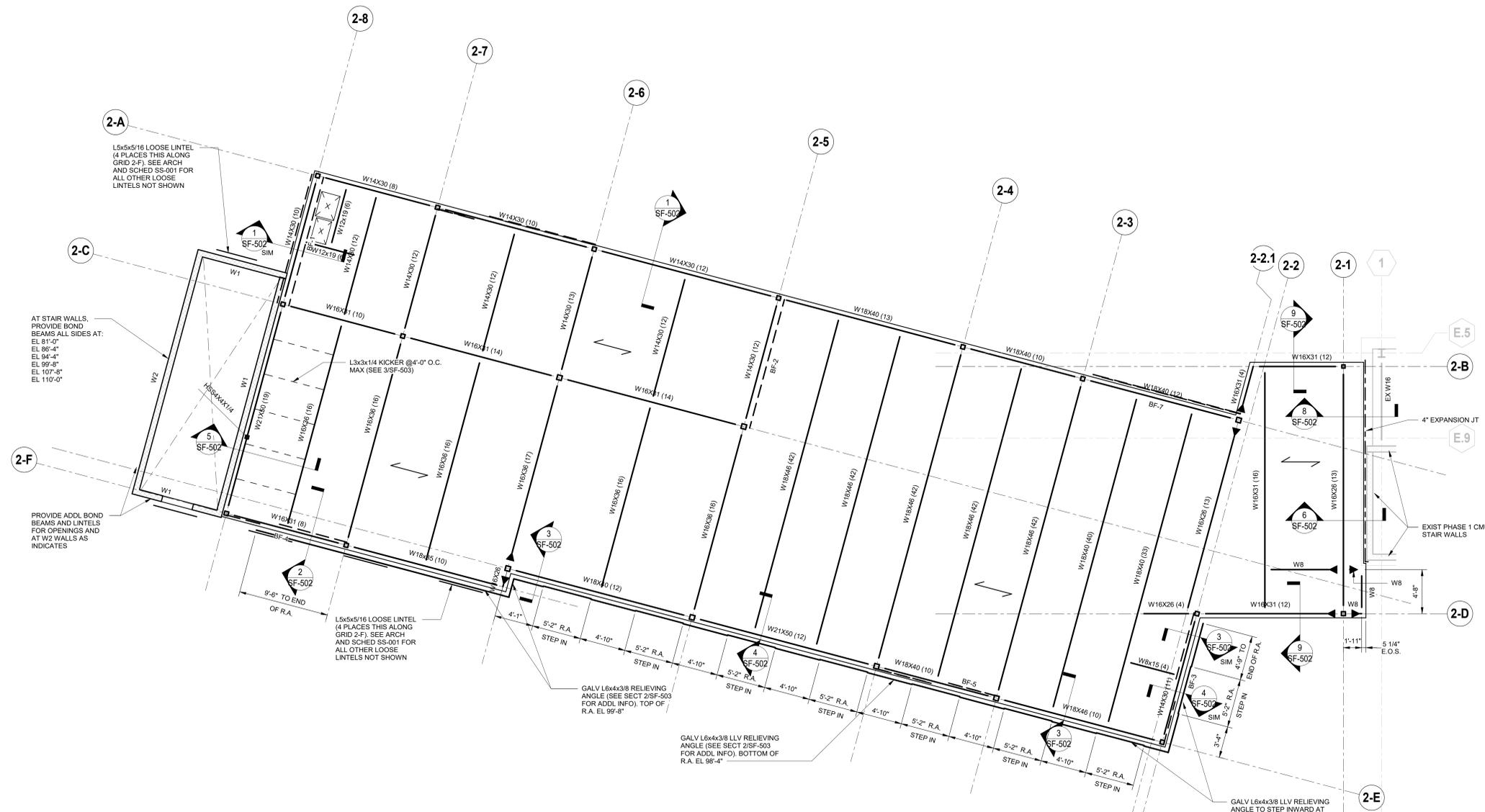
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EAR

Drawn
CGW

Project Number
650-347

Building Number
39

Drawing Number
SB-303



LEVEL 2 FRAMING PLAN

3/16"=1'-0"

- NOTES:**
- INDICATES SPAN DIRECTION OF 3 1/2" NORMAL WEIGHT CONC SLAB ON 2x12 20GA STEEL DECK (3 1/2" CONC FILL OVER 2" DECK, 5 1/2" TOTAL, 3 SPAN MIN). 6x6-W2 1xW2 1 W.W.F. TISLAB EL 99'-8" U.N.O.
 - TOP OF STEEL/UNDERSIDE OF DECK EL EQUALS 99'-2 1/2" U.N.O. BY (X-XXX)
 - XX INDICATES NUMBER OF 3/4"x4" HEADED STUDS UNIFORMLY SPACED ALONG BEAM SPAN OR BETWEEN CONCENTRATED LOADS.
 - BF-1, BF-2, ETC INDICATES BRACE FRAME. SEE BRACED FRAME ELEVATIONS DWG SF-401.
 - INDICATES MOMENT CONN. SEE TYP DETAIL DWG SF-500.
 - BEAMS/JOISTS TO BE PLACED AT EQUAL SPACES BETWEEN COLUMN LINES U.N.O.
 - W8 INDICATES W8x10 U.N.O.
 - W1, W2, ETC INDICATES CMU WALL TYPE AND REINFORCEMENT (SEE DETAILS SB-300)

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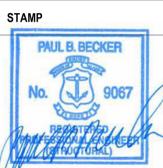
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VA U.S. Department of Veterans Affairs

Drawing Title
LEVEL 2 FRAMING PLAN

Approved:
VA RI FACILITIES MANAGEMENT SERVICE

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Project Title NEW MENTAL HEALTH BUILDING - PHASE 2	Project Number 650-347
Location 830 CHALKSTONE AVE PROVIDENCE, RI 02908	Building Number 39
Issue Date FEB 04 2022	Checked EAR
Drawn CGW	Drawing Number SF-102

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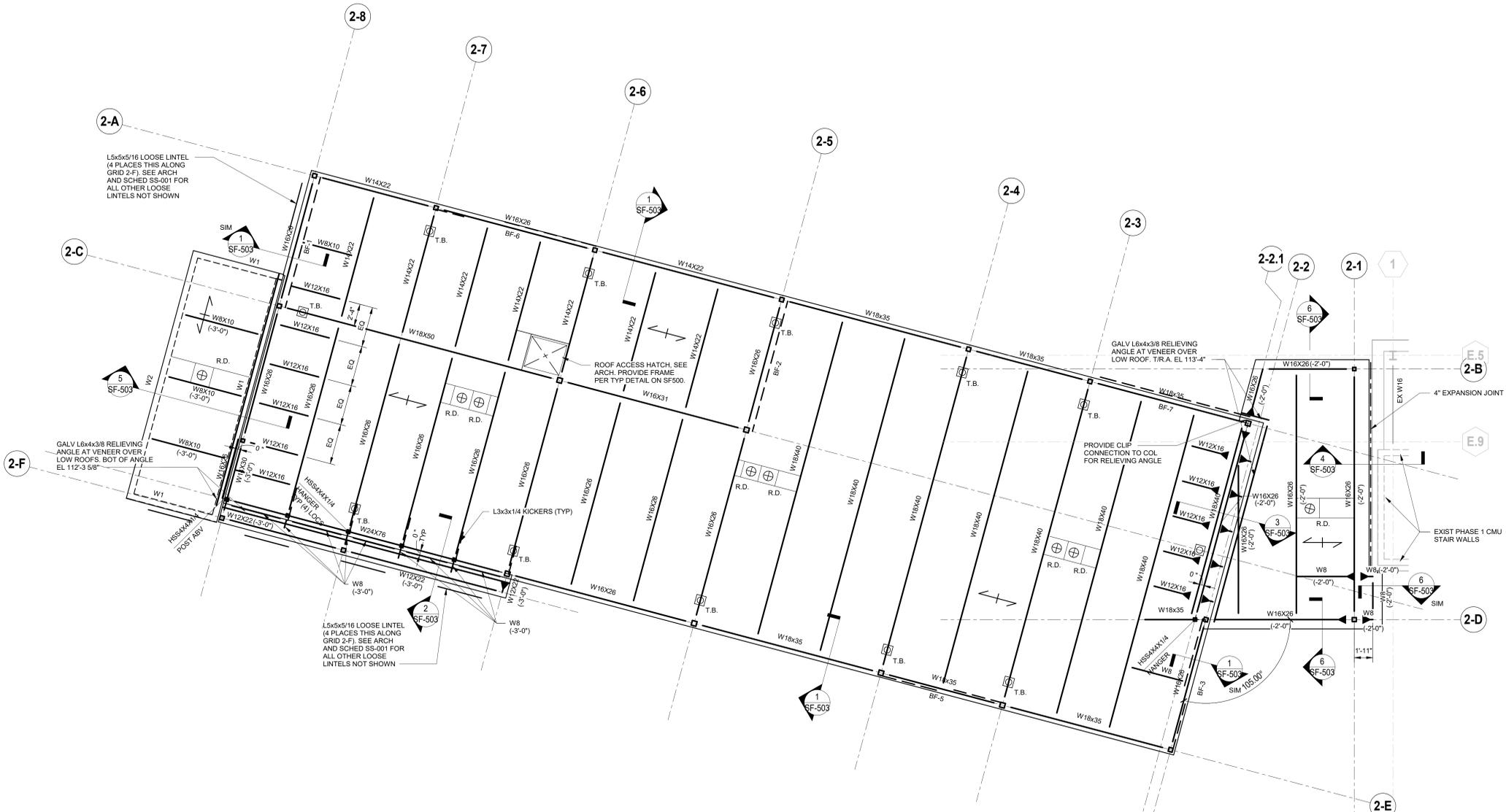
B

C

D

E

F



ROOF FRAMING PLAN

1/8"=1'-0"

NOTES:

1. INDICATES SPAN DIRECTION OF 1.5820 ROOF DECK (3 SPAN MIN).
2. TOP OF STEEL UNDERSIDE OF DECK EL. 113'-8" U.N.O. BY (X-XX).
3. BF-1, BF-2, ETC INDICATES BRACE FRAME. SEE BRACED FRAME ELEVATIONS DWG SF-401.
4. INDICATES MOMENT CONN. SEE TYP DETAIL DWG SF-500.
5. BEAMS/JOISTS TO BE PLACED AT EQUAL SPACES BETWEEN COLUMN LINES U.N.O.
6. W8 INDICATES W8x10 U.N.O.
7. R.D. INDICATES ROOF DRAIN (COORDINATE LOCATION W/ ARCH AND MEP). PROVIDE ANGLE FRAME AROUND PERIMETER OF DRAIN FOR SUPPORT OF METAL ROOF DECK PER TYPICAL DETAIL ON SF500.
8. T.B. INDICATES PROPOSED LOCATION OF ROOF FALL PROTECTION TIE-BACK. REFER TO ARCH FOR FINAL LOCATIONS AND ALL ADDL INFO.
9. W1, W2, ETC INDICATES CMU WALL TYPE AND REINFORCEMENT (SEE DETAILS SB-300)

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Drawing Title
ROOF FRAMING PLAN

Approved:
VA RI FACILITIES MANAGEMENT SERVICE

Phase
CONSTRUCTION DOCUMENTS

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Project Title
NEW MENTAL HEALTH BUILDING - PHASE 2

Location
830 CHALKSTONE AVE PROVIDENCE, RI 02908

Issue Date
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Project Number
650-347

Building Number
39

Drawing Number
SF-103

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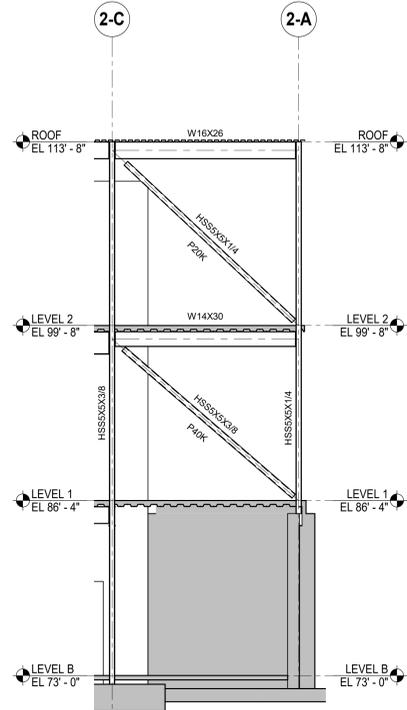
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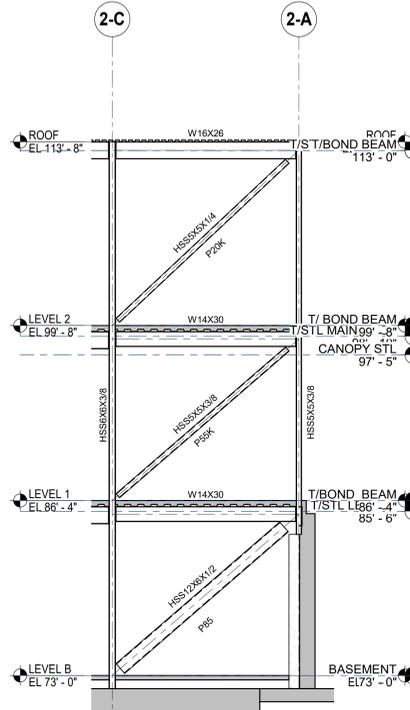
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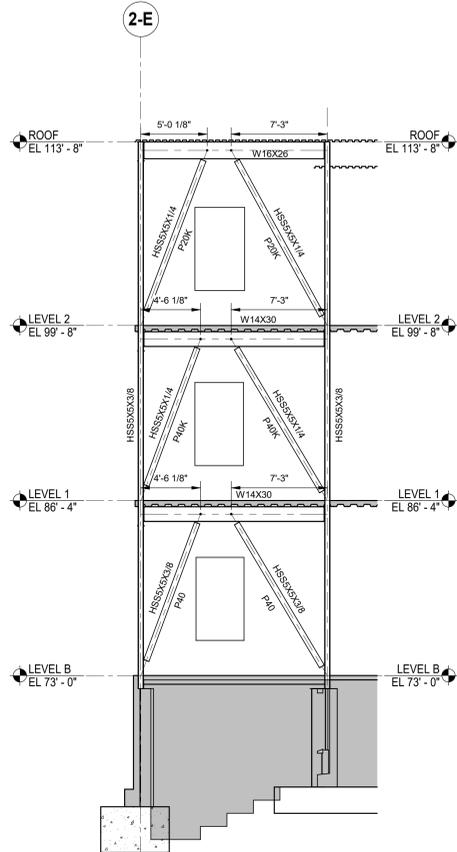
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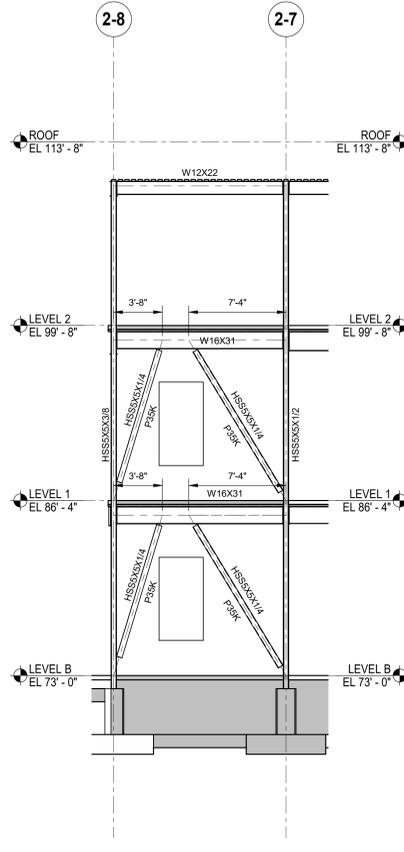
1 BF-1 AT 2-8 LINE
SCALE: 3/16" = 1'-0"



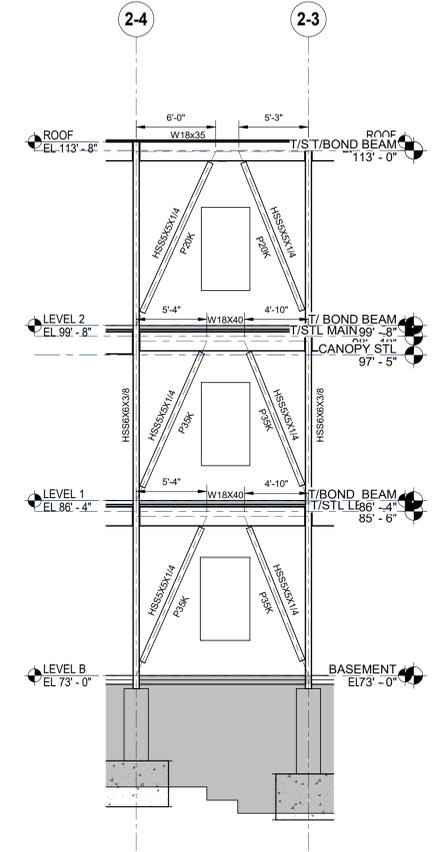
2 BF-2 AT 2-5 LINE
SCALE: 3/16" = 1'-0"



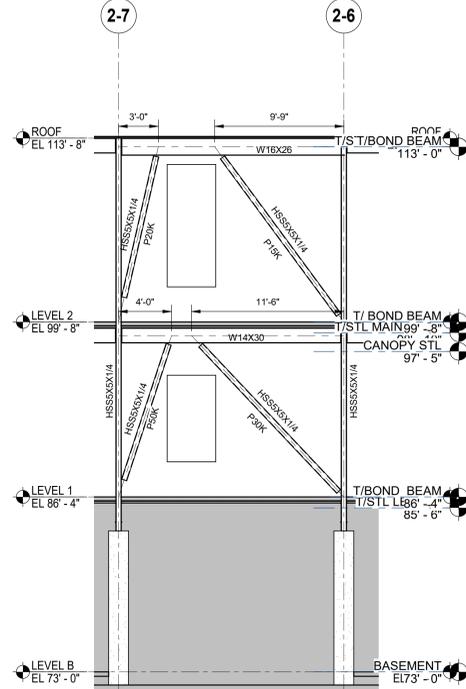
3 BF-3 AT 2-2 LINE
SCALE: 3/16" = 1'-0"



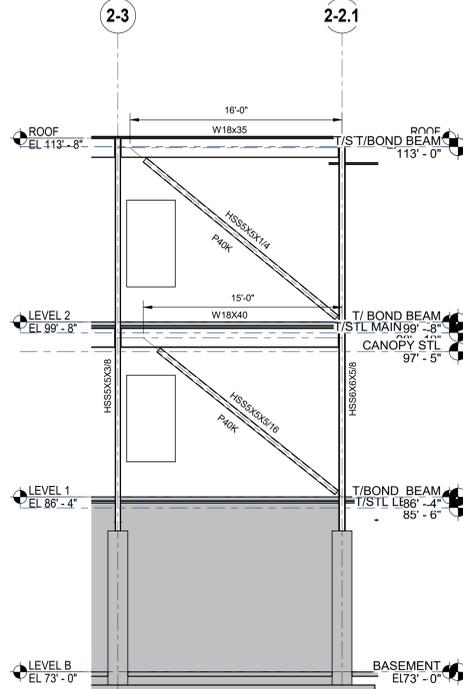
4 BF-4 AT 2-F LINE
SCALE: 3/16" = 1'-0"



5 BF-5 AT 2-E LINE
SCALE: 3/16" = 1'-0"



6 BF-6 AT 2-A LINE
SCALE: 3/16" = 1'-0"



7 BF-7 AT 2-A LINE
SCALE: 3/16" = 1'-0"

- BRACED FRAME NOTES:**
- REFER TO PLANS FOR TOP STEEL ELEVATIONS AND FOR GRIDLINE DIMENSIONS
 - ALL FORCES (KIPS) ARE UNFACTORED AND ARE TO BE CONSIDERED FULLY REVERSIBLE UNLESS OTHERWISE NOTED
 - SEE TYPICAL BRACE CONNECTION DETAILS SF-501 FOR ADDL INFO.
 - ALL BRACE AND BEAM MEMBERS ARE ORIENTED WEB VERTICAL UNLESS OTHERWISE NOTED ON ELEVATION AS FOLLOWS:
(H) INDICATES MEMBER WITH WEB ORIENTED HORIZONTAL
 - SEE PLAN FOR COLUMN ORIENTATION
 - SEE STEEL BEAM SHEAR CONNECTION SCHEDULE FOR CONNECTION LOADS NOT SHOWN
 - ALL BRACED FRAME LINE DIAGRAMS DENOTE CENTERLINES FOR BEAMS AND COLUMNS AND WORKING LINES FOR BRACES (SEE BRACE DETAILS)
 - MINIMIZE UNBRACED LENGTH OF GUSSET AT BRACE TO GUSSET CONNECTIONS
- LEGEND:**
- PXX INDICATES UNFACTORED MEMBER AXIAL FORCE IN KIPS

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BRACED FRAME ELEVATIONS

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CONSTRUCTION DOCUMENTS

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Project Title
NEW MENTAL HEALTH BUILDING - PHASE 2

Location
830 CHALKSTONE AVE PROVIDENCE, RI 02908

Issue Date
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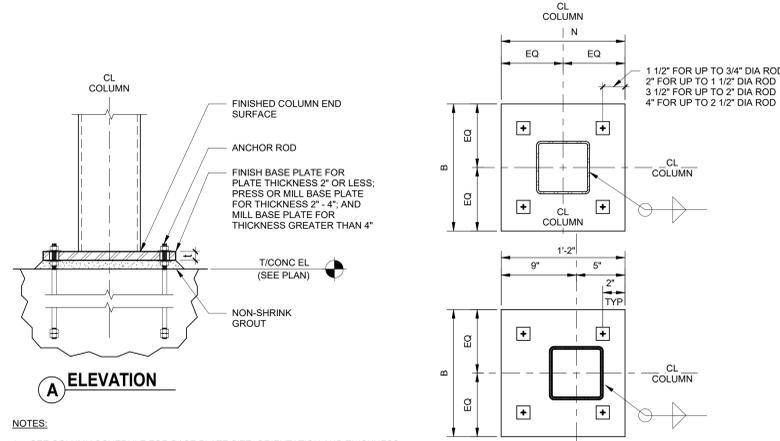
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Project Number
650-347

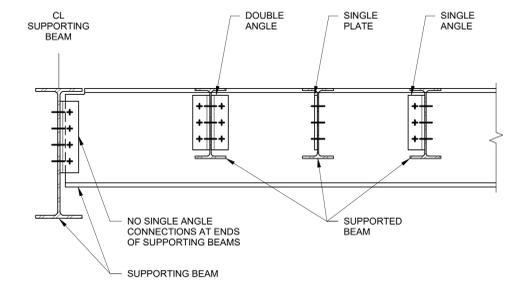
Building Number
39

Drawing Number
SF-401



- NOTES:**
- SEE COLUMN SCHEDULE FOR BASE PLATE SIZE, ORIENTATION AND THICKNESS
 - BASE PLATE THICKNESS SHOWN ON SCHEDULE IS A MINIMUM DIMENSION AFTER ALL MILLING IS COMPLETED
 - COLUMN STABILITY DURING ERECTION IS RESPONSIBILITY OF CONTRACTOR
 - SEE ANCHOR ROD SCHEDULE AND TYPICAL ANCHOR ROD DETAIL FOR ADDITIONAL INFORMATION
 - CONTRACTOR'S OPTION TO FIELD WELD COLUMNS TO BASEPLATES FOR HEAVY BASEPLATES
 - ANCHOR ROD CONFIGURATION IS TO USE SQUARE PATTERN OUTSIDE COLUMN. IF SPECIFIED BASE PLATE SIZE DOES NOT PERMIT OUTSIDE PLACEMENT USE SQUARE PATTERN INSIDE COLUMN. USE RECTANGULAR ANCHOR ROD CONFIGURATION WHERE NOTED

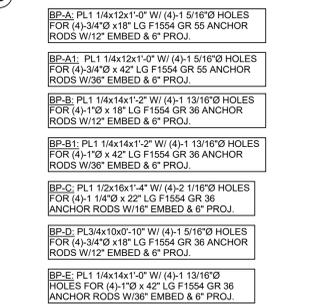
1 TYPICAL BASE PLATE DETAIL
SCALE: 3/4" = 1'-0"



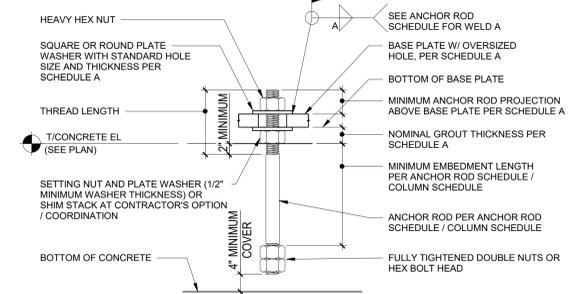
- NOTES:**
- SUPPORTED BEAMS PRIMARILY SUPPORT DISTRIBUTED LOADS FROM SLABS OR DECKING
 - SUPPORTING BEAMS SUPPORT SIGNIFICANT POINT LOADS FROM ONE OR MORE SUPPORTED BEAMS OR FROM COLUMNS BEING TRANSFERRED. SUPPORTING BEAMS MAY BE SUPPORTED BY COLUMNS OR BY OTHER SUPPORTING BEAMS
 - FOR SHEAR CONNECTIONS AT SUPPORTED BEAM ENDS, DOUBLE ANGLE, SINGLE PLATE OR SINGLE ANGLE MAY BE USED UNLESS OTHERWISE NOTED
 - SEE TYPICAL STEEL BEAM SHEAR CONNECTION SCHEDULE FOR INFORMATION NOT SHOWN

5 TYPICAL BEAM TO BEAM SHEAR CONNECTION
SCALE: 3/4" = 1'-0"

B ROUND OR RECTANGULAR HSS PLAN

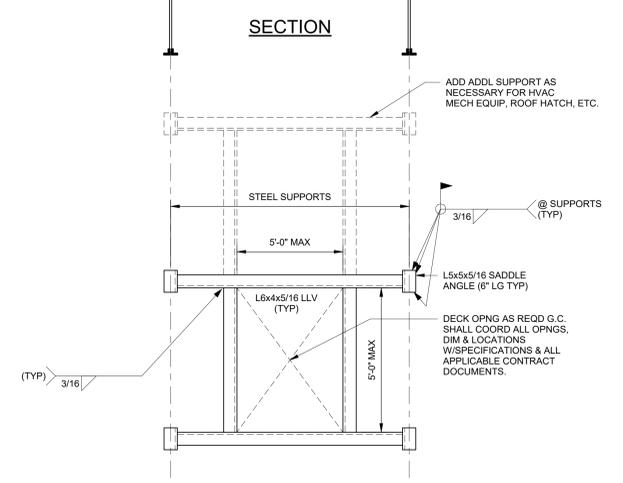
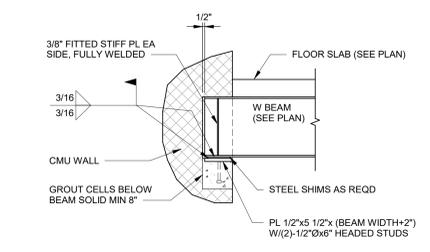


2 TYPICAL ANCHOR ROD DETAIL
SCALE: 3/4" = 1'-0"



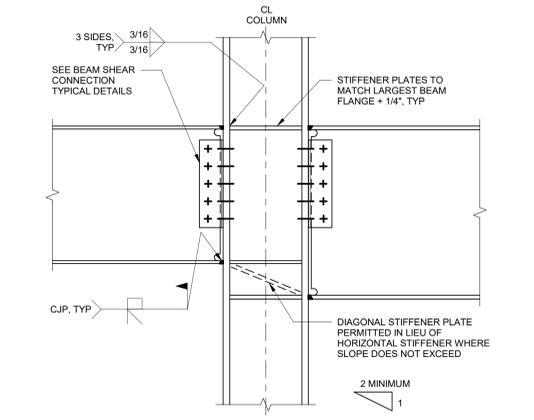
SCHEDULE A					
ANCHOR ROD DIAMETER	BASE PL HOLE DIA	MIN WASHER SIZE	MIN WASHER t	MIN PROJ ABOVE BASE PL	NOMINAL GROUT THICKNESS
3/4"	1-5/16"	2"	1/4"	3"	2"
1"	1-13/16"	3"	3/8"	3-1/2"	2"
1-1/4"	2-1/16"	3"	1/2"	4"	3"
1-1/2"	2-5/16"	3-1/2"	1/2"	4"	3"

3 TYP BEAM BEARING AT CMU
SCALE: 3/4" = 1'-0"

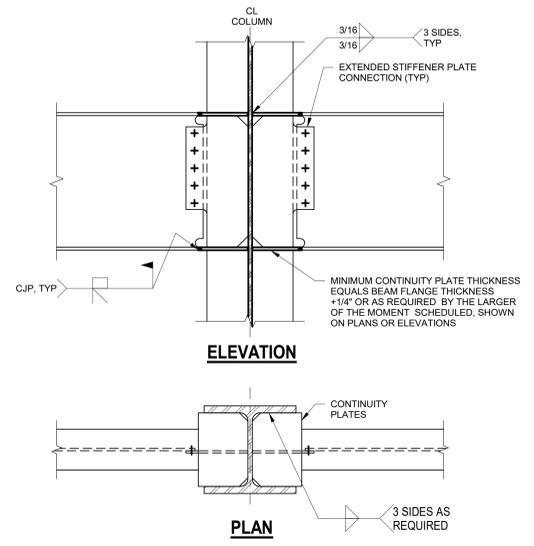


4 TYP OPENING IN ROOF DECK
SCALE: 3/4" = 1'-0"

6 TYPICAL BEAM TO COLUMN FLANGE MOMENT CONNECTION U.N.O.
SCALE: NOT TO SCALE



7 TYPICAL BEAM TO COLUMN WEB MOMENT CONNECTION U.N.O.
SCALE: NOT TO SCALE



NOT FOR CONSTRUCTION
80% DESIGN DEVELOPMENT 08-27-21
THESE DRAWINGS ARE NOT COMPLETE. DESIGN IS STILL IN PROGRESS. CONTRACTOR SHALL CARRY APPROPRIATE CONTINGENCY

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PAUL B. BECKER
No. 9067
Professional Engineer
State of Rhode Island
08/27/2021

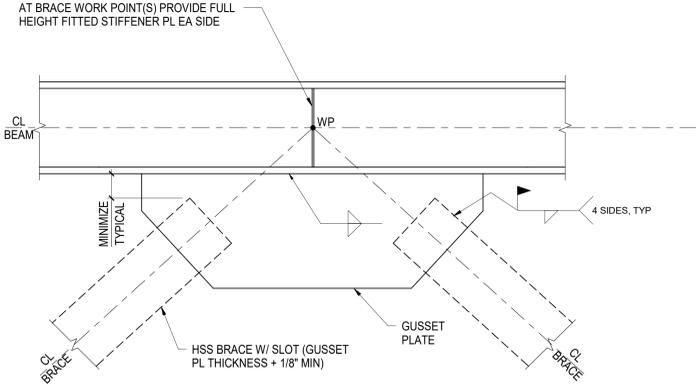
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
TYPICAL FRAMING DETAILS
Approved:
VA RI FACILITIES MANAGEMENT SERVICE

Phase
CONSTRUCTION DOCUMENTS
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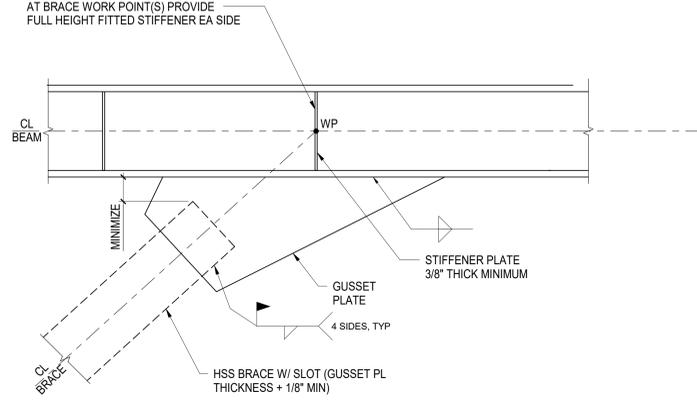
Project Title
NEW MENTAL HEALTH BUILDING - PHASE 2
Location
830 CHALKSTONE AVE PROVIDENCE, RI 02908
Issue Date
FEB 04 2022
Checked
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Drawn
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Project Number
650-347
Building Number
39
Drawing Number
SF-500

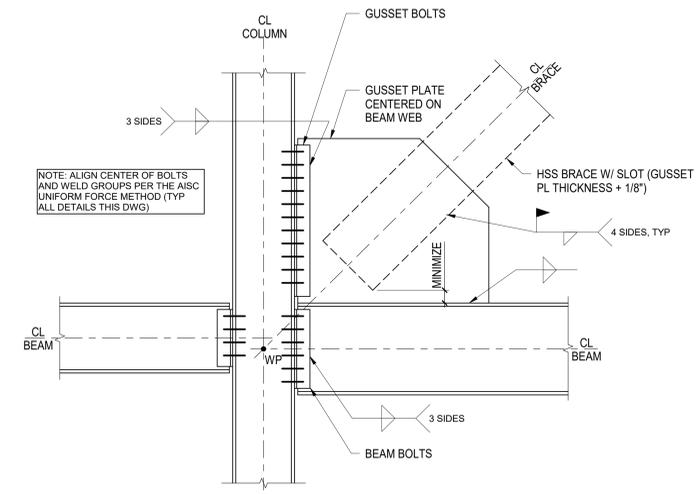


NOTES:
 1. BRACE WORK POINTS ARE ECCENTRIC AT SIMILAR CONDITION

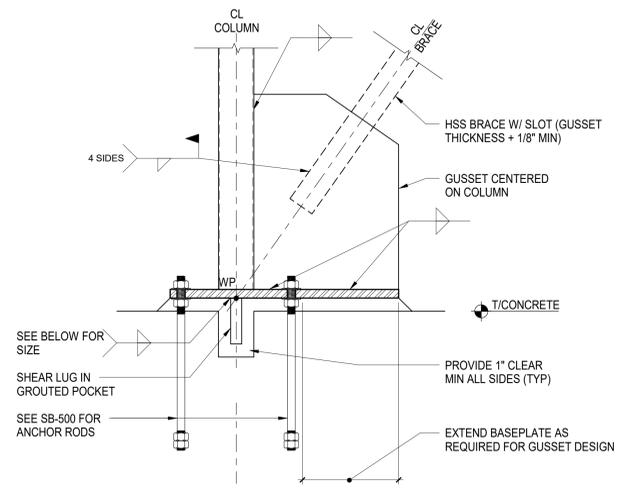
1 TYPICAL CONCENTRIC BRACE CONNECTION TO BEAM
 NOT TO SCALE



2 TYPICAL ECCENTRIC BRACE CONNECTION TO BEAM
 NOT TO SCALE



3 TYPICAL BRACE CONNECTION TO COLUMN FLANGE AND BEAM
 NOT TO SCALE

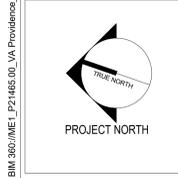


NOTES:
 1. SEE COLUMN SCHEDULE FOR BASE PLATE SIZE AND ANCHOR ROD MARK

SL-1: PL1 1/4x6x0'-10" W/1/2" WELD
 SL-2: CRUCIFORM PLs1 1/4x8x1'-0"x1'-0" W/3/4" WELD
 SL-2: PL2x8x1'-0" W/3/4" WELD

4 TYPICAL BRACE TO SHEAR LUG CONNECTION
 NOT TO SCALE

NOT FOR CONSTRUCTION
 60% DESIGN DEVELOPMENT 08-27-21
 THESE DRAWINGS ARE NOT COMPLETE. DESIGN IS STILL IN PROGRESS. CONTRACTOR SHALL CARRY APPROPRIATE CONTINGENCY



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TYPICAL BRACED FRAME CONNECTION DETAILS

Approved:
VA RI FACILITIES MANAGEMENT SERVICE

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 830 CHALKSTONE AVE PROVIDENCE, RI 02908

Issue Date
 FEB 04 2022

Checked
 Checker

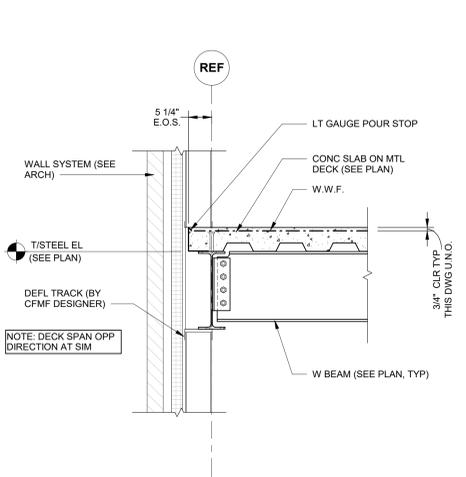
Drawn
 Author

Project Number
650-347

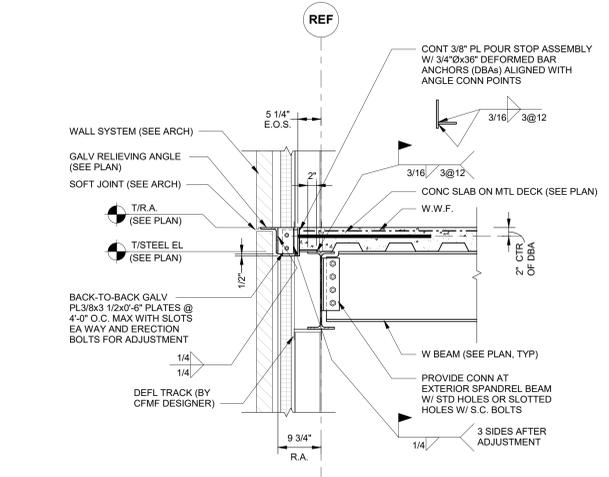
Building Number
39

Drawing Number
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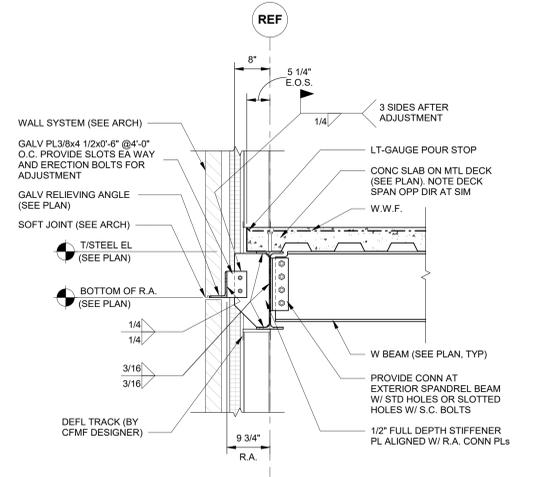
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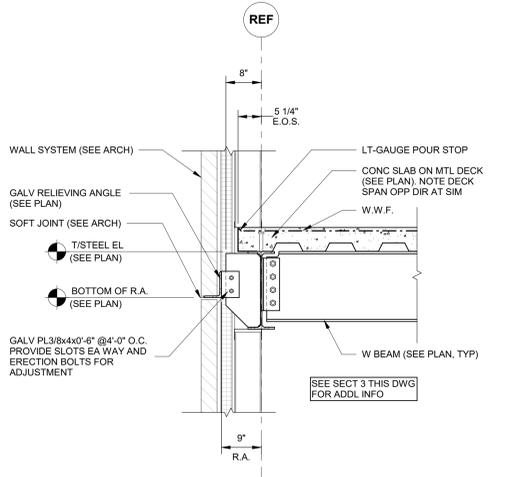
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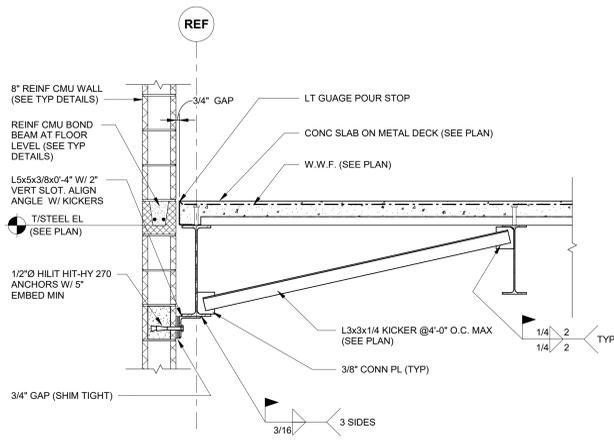
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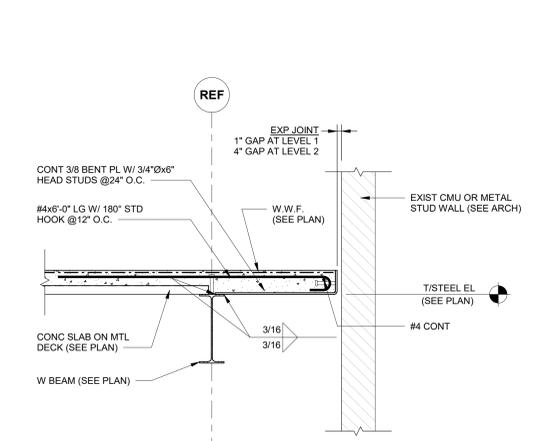
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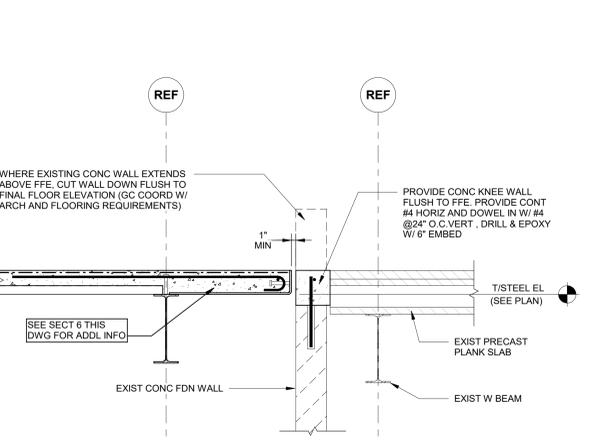
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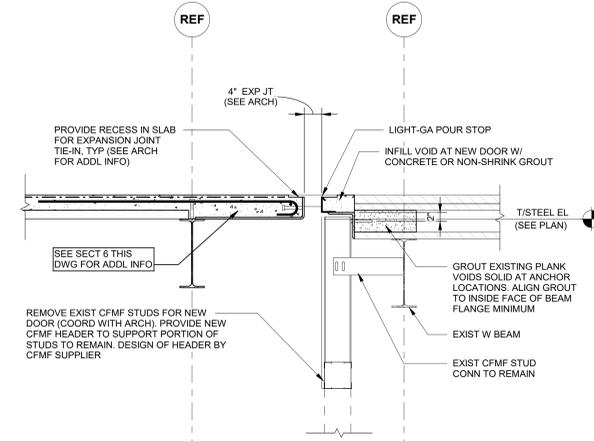
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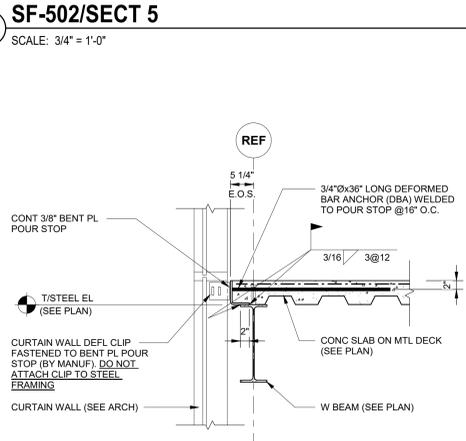
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9 SF-502/SECT 9
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NOT FOR CONSTRUCTION
85% DESIGN DEVELOPMENT 08-27-21
THESE DRAWINGS ARE NOT COMPLETE. DESIGN IS STILL IN PROGRESS. CONTRACTOR SHALL CARRY APPROPRIATE CONTINGENCY

Revisions:	Revision Description	Date:

CONSULTANT
Thornton Tomasetti

ARCHITECT/ENGINEER OF RECORD
WBRC
ARCHITECTS • ENGINEERS
WWW.WBRCAE.COM
BANGOR, MAINE 207-947-4511
PORTLAND, MAINE 207-838-4511
SARASOTA, FLORIDA 941-556-0757

STAMP
PAUL B. BECKER
No. 9067
Professional Engineer Seal

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title
FRAMING SECTIONS & DETAILS
Approved:
VA RI FACILITIES MANAGEMENT SERVICE

Phase
CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Project Title
NEW MENTAL HEALTH BUILDING - PHASE 2
Location
830 CHALKSTONE AVE PROVIDENCE, RI 02908
Issue Date
FEB 04 2022

Project Number
650-347
Building Number
39
Drawing Number
SF-502

A

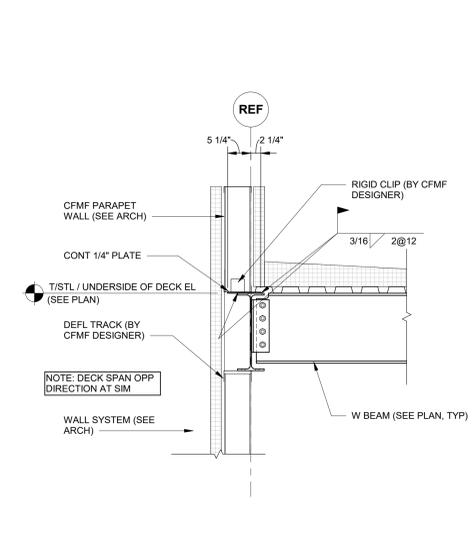
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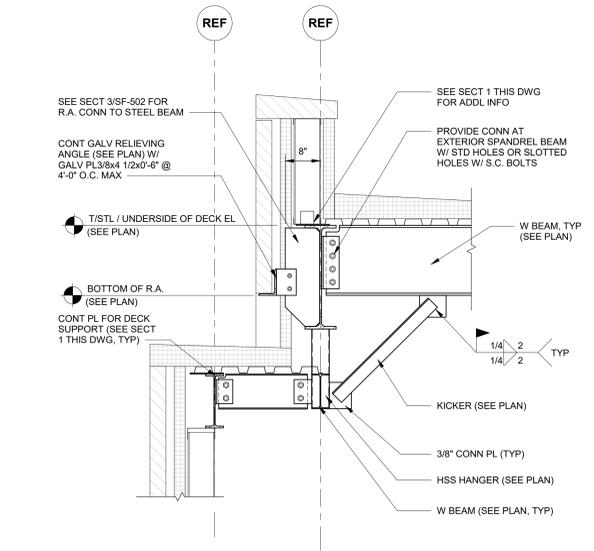
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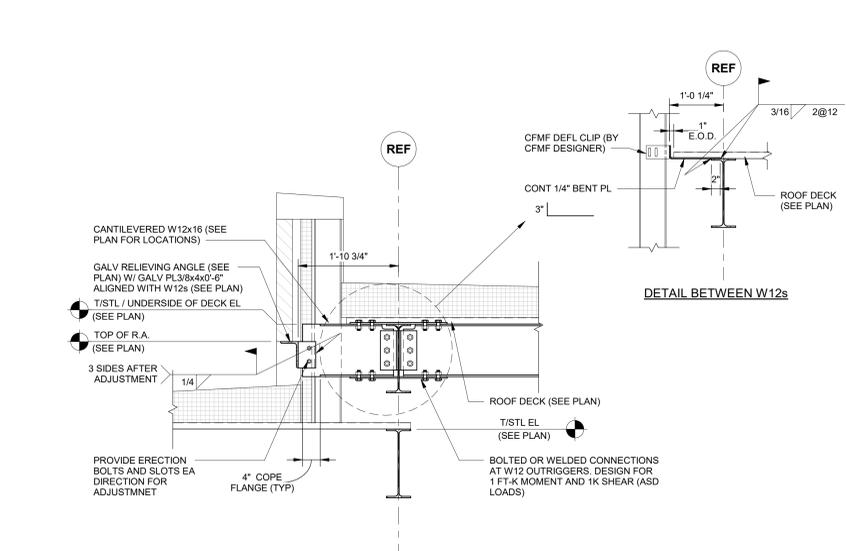
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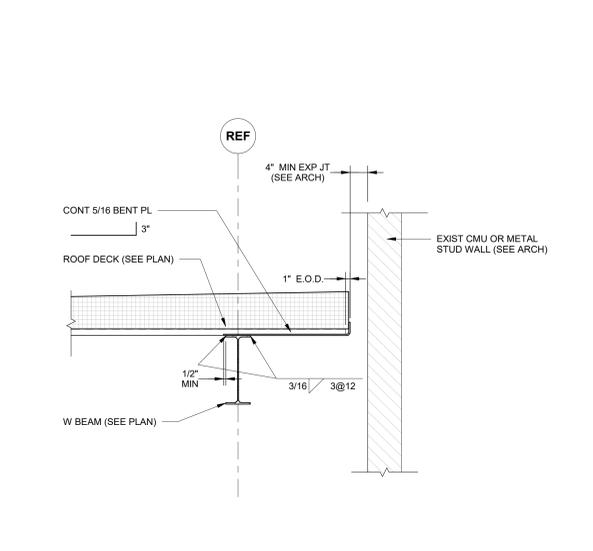
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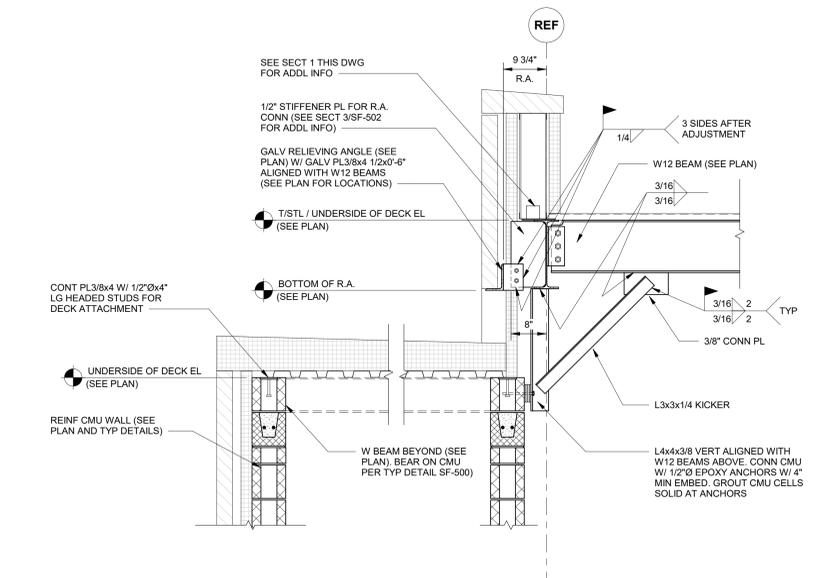
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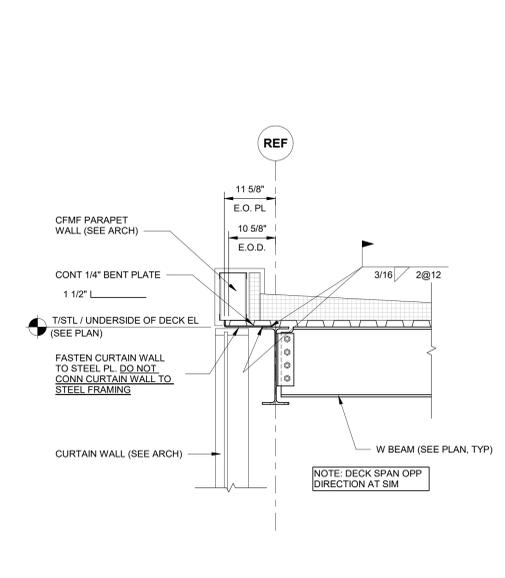
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Checked	Drawn
EAR	CGW