EDMONDSON REED & ASSOCIATES

1401 SOUTH DENVER AVENUE, SUITE B
TULSA, OK 74119

Modification Bulletin

Project Name: **Cherokee Hard Rock Casino 4**
777 W CHEROKEE ST
CATOOSA, OK 74344

Project No:

Modification Bulletin No: 02

To: Flintco, LLC

Date: 06/14/2018

Description:
This bulletin provides revisions to the structural drawings as described below.

1. S-111 - FOUNDATION PLAN - AREA 1
   a. Foundation plan revised at Porte Cochere
   b. Dimensions at overhead door along grid line A revised
2. S-112 - FOUNDATION PLAN - AREA 2
   a. Foundation plan revised at stage and at kitchen/safer room CMU walls
   b. E'-7' pier type revised and relocated
3. S-114 - CONCRETE SLAB PLANS
   a. Plan A1 revised.
4. S-121 - MEZZANINE/LOW ROOF FRAMING PLAN - AREA 1
   a. Framing revised at Porte Cochere
   b. Dimensions at overhead door along grid line A revised
5. S-143 - TOWER ROOF FRAMING PLAN - AREA 1
   a. Plan A2 - dimensions added.
6. S-302 - WALL SECTIONS
   a. Wall sections A2 and A3 revised at Porte Cochere
7. S-313 - FOUNDATION SECTIONS
   a. Sections A3, B3, C3, A2, B2, D2, A1, B1, D1, E1 added.
8. S-321 - FLOOR FRAMING SECTIONS
   a. Sections A1, B1, C1, D1 added
9. S-501 - FRAMING DETAILS
   a. Sections B2, C2, and A1 added
10. S-601 - SCHEDULES
    a. Pier mark P27 and P28 added to schedule
11. S-602 - SCHEDULES
    a. Base plate type J added
    b. Base plate mark BP23 added

1. M-211
   a. Re-route and resize chilled water supply/return system to serve kitchen equipment.
2. M-212
   a. Re-route and resize chilled water supply/return system to serve kitchen equipment.
3. M-221
   a. Re-route and resize chilled water supply/return system to serve kitchen equipment.
4. M-222
   a. Re-route and resize chilled water supply/return system to serve kitchen equipment.

1. P-111
   a. Added storm routing and termination and lower porte cochere roof drains.
2. P-211
   a. Added east side porte cochere roof drains.
3. P-161
   a. Added note on plans referring to roof drains on floor below.

Attachments:

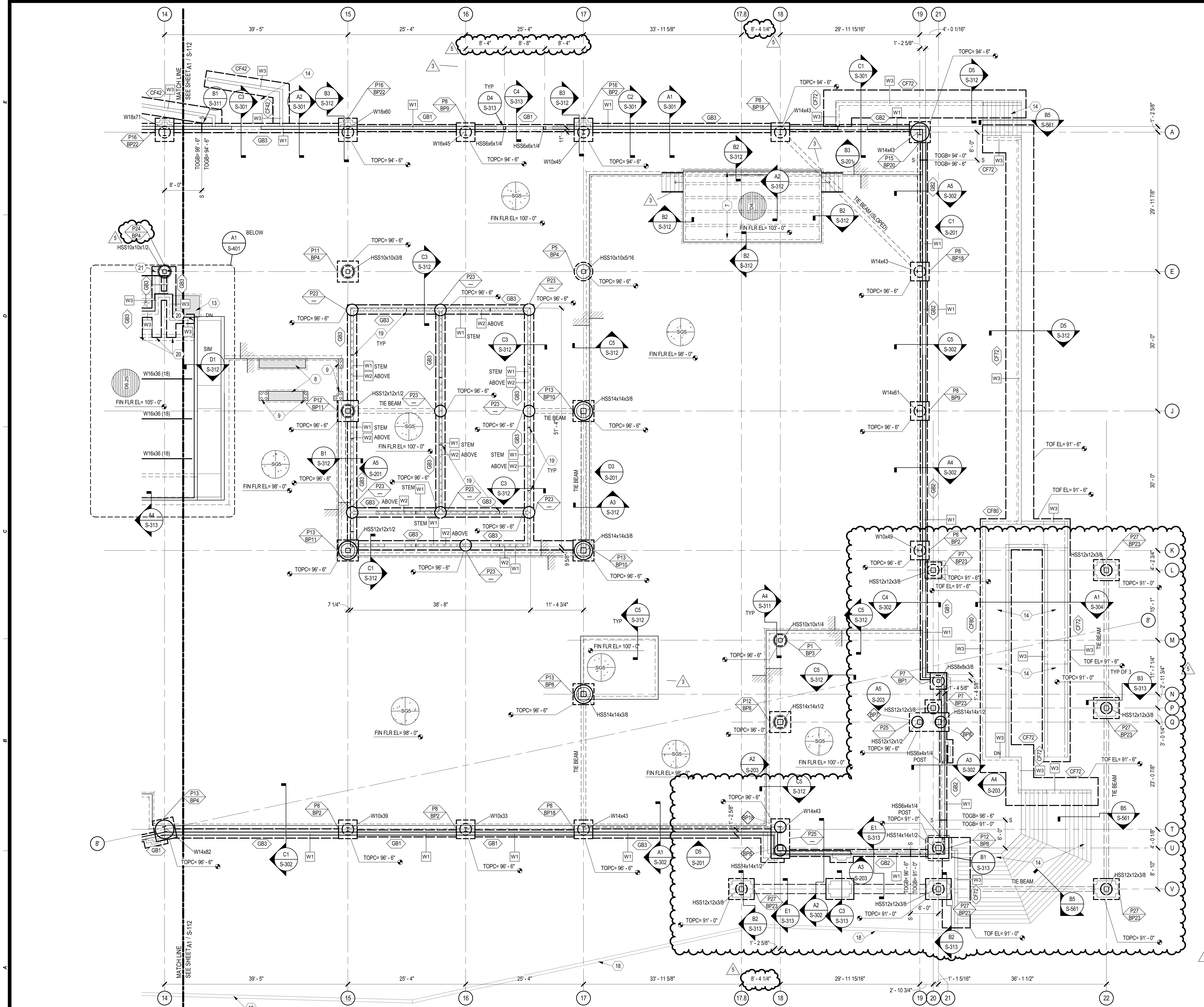
Structural sheets S-111, S-112, S-114, S-121, S-143, S-302, S-313, S-321, S-501, S-601, S-602

Mechanical sheets M-211, M-212, M-221, M-222

Plumbing sheets P-111, P-121, P-161

Issued by:

cc: Flintco – Matt Croll
Flintco -
Flintco –
RK & A- Rick Kosman
CG - Nicholas Torres
MSA – Robbie Jones
MSA - Shane Savoy
M/E – Rob Radlly
ERA – Doug Huber
ERA – Shannon Henson
ERA – Bryan Broaddrick
JCJ – Grace Fabian



A1 FOUNDATION PLAN - AREA 1

SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. REFERENCE FINISH FLOOR ELEVATION 100'-0" =MEAN SEA FINISH FLOOR ELEVATION. SEE CIVIL DRAWINGS.
3. TOP OF PIER CAP AND TOP OF PIER WITHOUT CAP ELEVATION = 98' - 6", UNLESS NOTED OTHERWISE.
4. TOP OF GRADE BEAM ELEVATION = 98' - 6", UNLESS NOTED OTHERWISE.
5. TOP OF TIE BEAM ELEVATION = TOP OF PIER CAP OR GRADE BEAM ELEVATION IT IS CONNECTING TO.
6. GRADE BEAMS SHALL BE DOWELED INTO PIER CAPS. SEE D1 / S-311
7. EXTEND TIE BEAM REINFORCING INTO PIER CAPS AND TERMINATE WITH STANDARD HOOKS.
8. PROVIDE COLUMN BLOCKOUTS IN SLAB, SEE C5 / S-711
9. NOTE TO CONTRACTOR: ENLARGED SLAB BLOCKOUTS MAY BE REQUIRED AT FRAME COLUMNS FOR BRACED FRAME GUSSET PLATE CLEARANCE.
10. NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE BRACED FRAMES. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE AISC CODE OF STANDARD PRACTICES.
11. DIMENSIONS ARE TO THE FACE OF CONCRETE, MASONRY, OR GRID LINE, UNLESS NOTED OTHERWISE.
12. SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
13. EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING.
14. PROVIDE SLAB JOINTS AT 15' - 0" ON CENTER MAXIMUM. THE AREA OF THE CONTROL JOINT SHALL NOT EXCEED A 2.1 RATIO. CONTROL JOINTS SHALL BE LOCATED AT COLUMN LINES WHERE THE LAYOUT PERMITS. AT RE-ENTRANT CORNERS THAT DO NOT HAVE CONTROL JOINTS, PROVIDE 2-#4 x 3'-0" DIAGONAL TO THE RE-ENTRANT CORNER.
15. SEE SHEET S-311, S-312 FOR TYPICAL FOUNDATION SECTIONS AND DETAILS.
16. SEE SHEETS S-711 THRU S-741 FOR TYPICAL DETAILS.
17. SEE SHEET S-601 AND S-602 FOR SCHEDULES.

SHEET KEYNOTE

1. FLOOR DRAIN, SLOPE SLAB TO DRAIN 1/8" PER FOOT. COORDINATE EXACT SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. ELEVATOR SUMP PIT, COORDINATE EXACT SIZE AND LOCATION WITH ELEVATOR MANUFACTURER. SEE A4 / S-561
3. NOT USED
4. RECESSED SLAB, COORDINATE EXACT SIZE, LOCATION, AND DEPTH WITH ARCHITECTURAL DRAWINGS.
5. DOWEL PIT WALL REINFORCING 18" INTO GRADE BEAM. PROVIDE STANDARD HOOK.
6. EXISTING FOOTING AND COLUMN TO BE DEMOLISHED IN THIER ENTIRETY. FIELD VERIFY.
7. 6" COLD-FORMED METAL STUD WALLS BY OTHERS AT 24" ON CENTER MAXIMUM.
8. RECESSED SLAB, COORDINATE EXACT SIZE, LOCATION AND DEPTH WITH FOOD SERVICE AND ARCHITECTURAL DRAWINGS. SEE C4 / S-711
9. CONCRETE CURB AROUND PIPE DUCT. COORDINATE EXACT SIZE, LOCATION, AND DETAILING WITH FOOD SERVICE AND ARCHITECTURAL DRAWINGS.
10. TRENCH DRAIN, COORDINATE EXACT SIZE AND LOCATION WITH FOOD SERVICE AND ARCHITECTURAL DRAWINGS.
11. HATCHED AREA INDICATES EXTENT OF INSULATED FREEZER SLAB. COORDINATE EXACT SIZE, LOCATION, AND DEPTH WITH FOOD SERVICE DRAWINGS AND FREEZER MANUFACTURER.
12. COORDINATE DIMENSIONS TO STAGE SLAB EDGE WITH ARCHITECTURAL DRAWINGS.
13. HATCHED AREA INDICATES EXENT OF WHEELCHAIR LIFT PIT. COORDINATE EXACT SIZE, LOCATION AND DEPTH OF PIT WITH ARCHITECTURAL DRAWINGS AND WHEELCHAIR LIFT MANUFACTURER. SEE C4 / S-711
14. EXTERIOR STAIR OR RAMP. COORDINATE EXACT SIZE, LOCATION, AND DIMENSIONS WITH ARCHITECTURAL AND CIVIL DRAWINGS.
15. PORTION OF EXISTING WALL TO BE REMOVED, SEE ARCHITECTURAL DRAWINGS FOR EXACT SIZE AND LOCATION OF OPENING.
16. EXISTING STAIRS, COLUMNS AND FOUNDATONS TO BE REMOVED AS REQUIRED FOR NEW CONSTRUCTION.
17. HSS5x5x3/8 ELEVATOR RAIL SUPPORT POST. COORDINATE LOCATION WITH ELEVATOR MANUFACTURER. SEE B4 / S-561
18. CONCRETE SITE RETAINING WALL. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL AND CIVIL DRAWINGS. SEE RETAINING SCHEDULE C3 / S-602 FOR ADDITIONAL INFORMATION.
19. MASONRY CONTROL JOINT, PLACE AT A MAXIMUM SPACING OF 12'-0" FROM CORNERS AND 20'-0" OC MAX IN THE FIELD OF THE WALL. NOTE, CONTROL JOINTS TO ALLOW FOR A MINIMUM OF ONE FULL CELL AJACENT TO OPENINGS FOR JAM. SEE ARCH DRAWINGS FOR EXACT MASONRY DIMS.
20. DOWEL GRADE BEAM AND STEMWALL REINFORCING INTO BASEMENT WALL. SEE A3 / S-313
21. EXTEND GRADE BEAMS AND DOWEL GRADE BEAM REINFORCING INTO PIER CAP.

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CHEROKEE HARD ROCK CASINO 4

PROJECT
CASINO 4

KEY PLAN

No.	Description	Date
3	ADDENDUM #4	05/16/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE
FOUNDATION PLAN - AREA 1

CONSTRUCTION SET

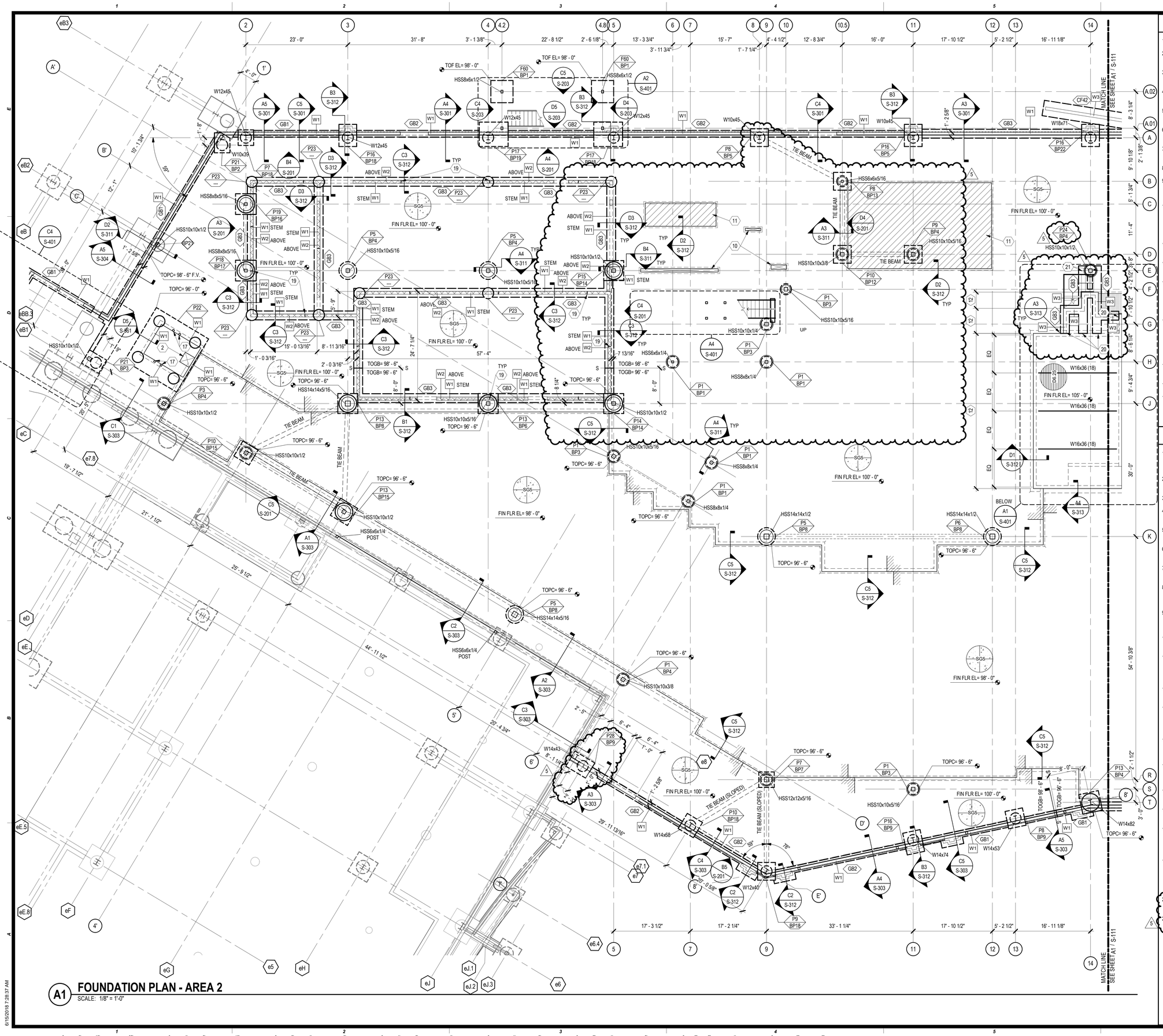
PROJECT NO: 201704
DRAWN BY: J ANDERSON
CHK'D BY: C ROMERO
ISSUE DATE: 5/4/2018

LICENSED PROFESSIONAL ENGINEER
CHRIS S. ROMERO
23578
OKLAHOMA
6.23.18

S-111

Scale As indicated

6/15/2018 7:28:29 AM



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3. NOT USED
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21. EXTEND GRADE BEAMS AND DOWEL GRADE BEAM REINFORCING INTO PIER CAP.

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CHEROKEE HARD ROCK CASINO 4

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PROJECT
CASINO 4

KEY PLAN

No.	Description	Date
5	BULLETIN #2	06/14/2018

SHEET TITLE
FOUNDATION PLAN - AREA 2

CONSTRUCTION SET

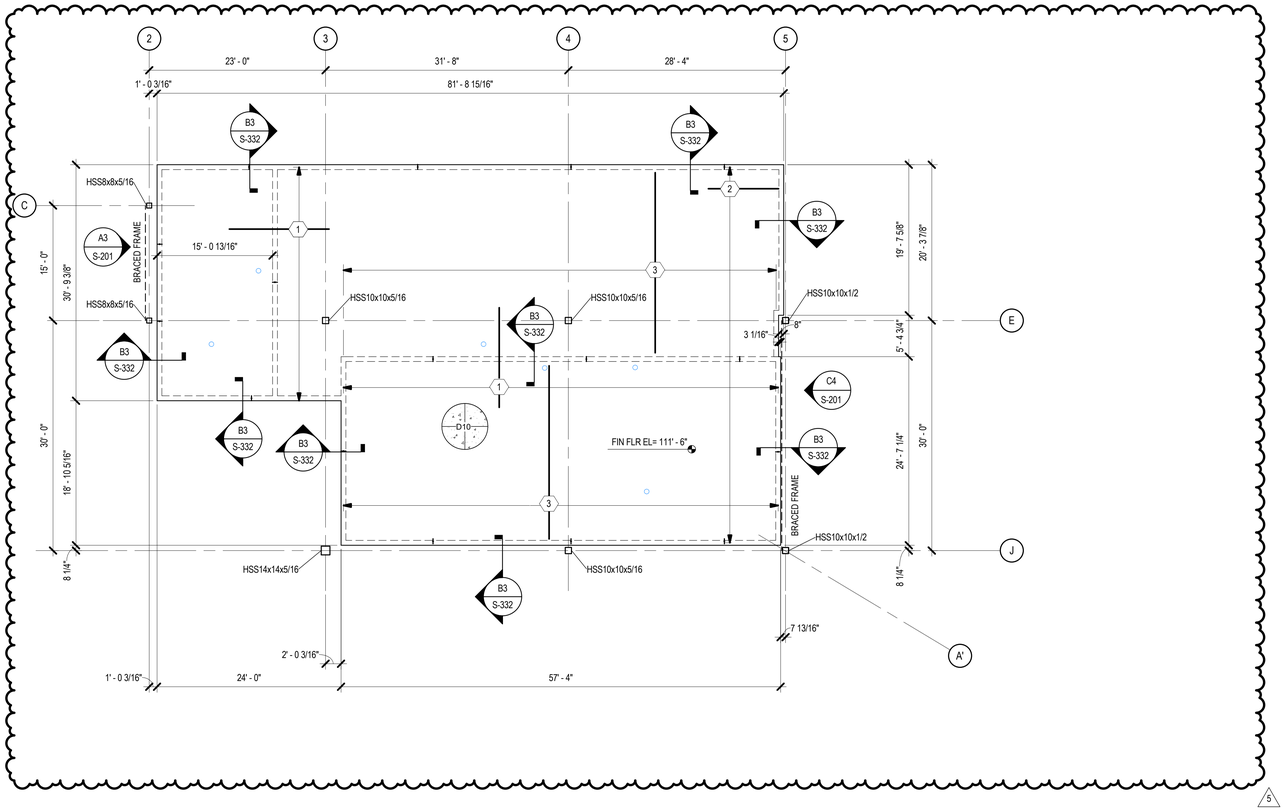
PROJECT NO: 201704
DRAWN BY: J ANDERSON
CHK'D BY: C ROMERO
ISSUE DATE: 5/4/2018

S-112

Scale: As indicated

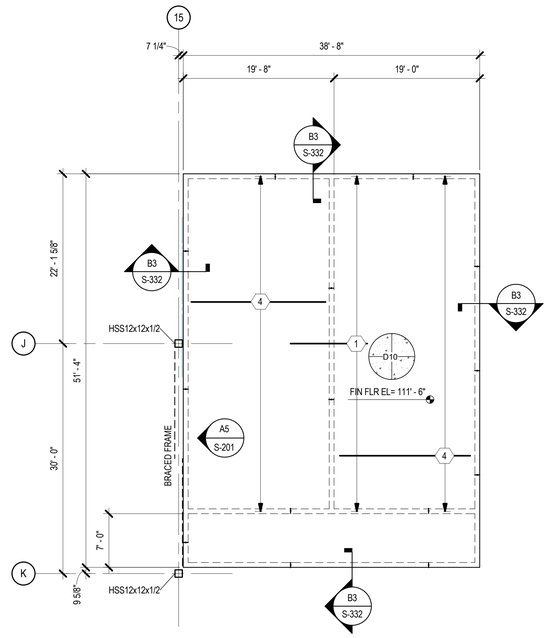
LICENSED PROFESSIONAL ENGINEER
CHRIS S. ROMERO
23578
OKLAHOMA
4.23.18

01/5/2018 7:28:37 AM



A1 WEST SAFER ROOM LID PLAN

SCALE: 1/8" = 1'-0"



A4 EAST SAFER ROOM LID PLAN

SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

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2. REFERENCE FINISH FLOOR ELEVATION 100'-0" =MEAN SEA FINISH FLOOR ELEVATION. SEE CIVIL DRAWINGS.
3. PROVIDE COLUMN BLOCKOUTS IN SLAB, SEE C5 / S-711
4. NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE BRACED FRAMES. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE AISC CODE OF STANDARD PRACTICES.
5. DIMENSIONS ARE TO THE FACE OF CONCRETE, MASONRY, OR GRID LINE, UNLESS NOTED OTHERWISE.
6. SEE SHEETS S-711 THRU S-741 FOR TYPICAL DETAILS.
7. SEE SHEET S-601 AND S-602 FOR SCHEDULES.

SHEET KEYNOTE

1. ADD #6 @ 16" OC TOP X 12'-0", CENTER OVER WALL
2. ADD #6 @ 16" OC TOP X 8'-0", HOOK INTO WALL
3. ADD #6 @ 16 BOT X 20'-0"
4. ADD #6 @ 16 BOT X 16-0"

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PROJECT

CASINO 4

KEY PLAN

No.	Description	Date
5	BULLETIN #2	06/14/2018

SHEET TITLE

CONCRETE SLAB PLANS

CONSTRUCTION SET

PROJECT NO:	201704
DRAWN BY:	J ANDERSON
CHK'D BY:	C ROMERO
ISSUE DATE:	5/4/2018

LICENSED PROFESSIONAL ENGINEER — CHRIS S. ROMERO — 23578 — NEW MEXICO — 6.23.18

S-114

Scale: As indicated

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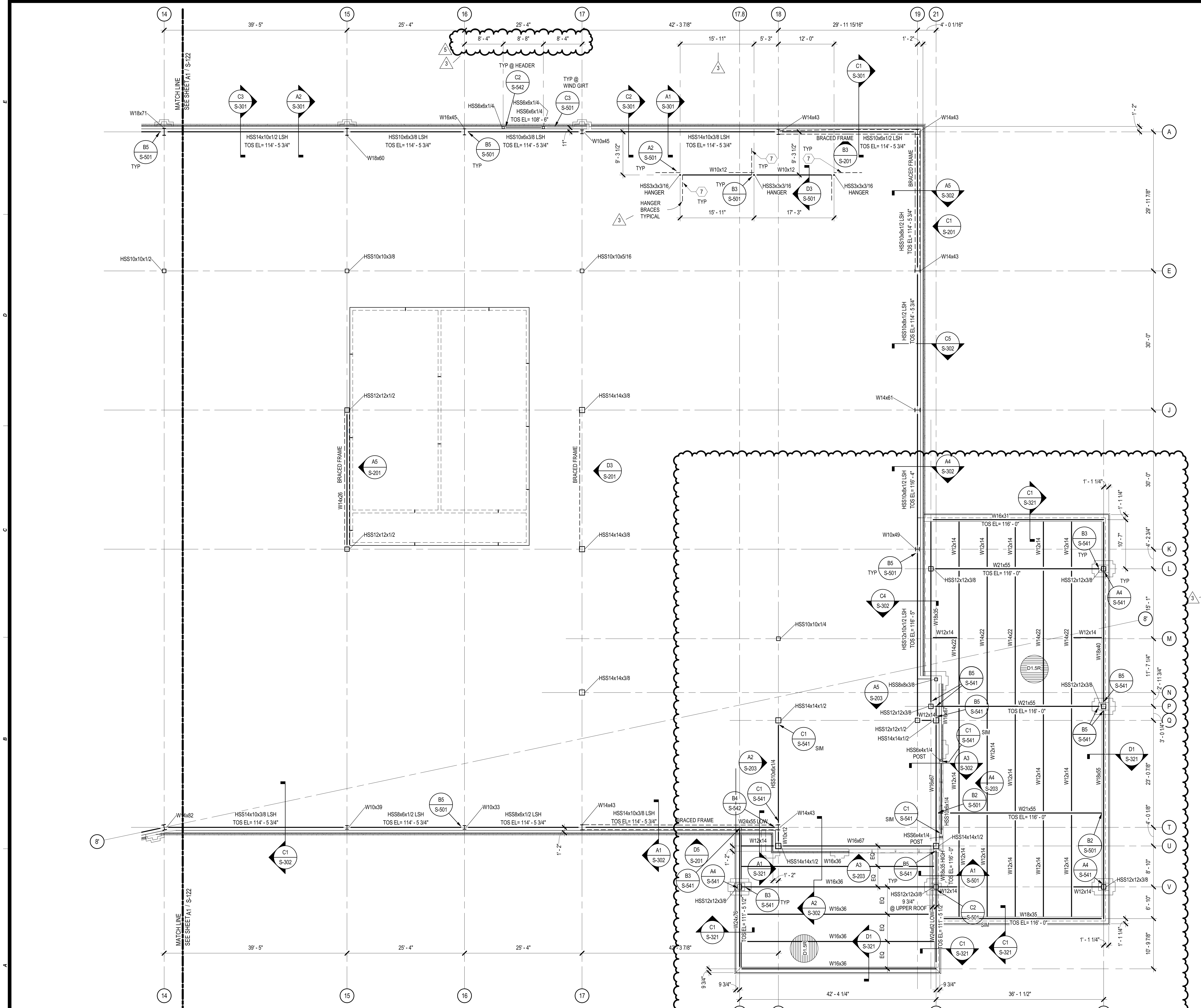

A1 MEZZANINE/LOW ROOF FRAMING PLAN - AREA 1
SCALE: 1/8" = 1'-0"

6/15/2018 7:28:49 AM

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3. DIMENSIONS ARE TO THE FACE OF STUD, OR GRID LINE, UNLESS NOTED OTHERWISE.
4. SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
5. EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING.
6. STRUCTURAL COLD FORMED METAL STUDS SHALL BE 6" WIDE, UNLESS NOTED OTHERWISE. STUD THICKNESS AND SPACING BY OTHERS.
7. BEAMS ARE SPACED EQUALLY BETWEEN SUPPORTS AS SHOWN, UNLESS NOTED OTHERWISE.
8. SEE SHEET S-321 FOR TYPICAL FLOOR FRAMING SECTIONS.
9. SEE SHEET S-711 THRU S-741 FOR TYPICAL DETAILS.
10. SEE SHEET S-501 THRU S-561 FOR TYPICAL FRAMING DETAILS.
11. SEE SHEET S-601 AND S-602 FOR SCHEDULES.
12. CONTRACTOR TO COORDINATE ALL CELLULAR DECK TRENCHES AND ACTIVATION POINT WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS.

SHEET KEYNOTE

1. MECHANICAL OPENING. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS. FOR TYPICAL DETAILS, SEE B2 / S-741 , C2 / S-741 AND D2 / S-741
2. MECHANICAL UNIT, COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
3. 3" (BETWEEN FINISHES) BUILDING EXPANSION JOINT.
4. EXISTING STAIRS, COLUMNS AND FRAMING TO BE REMOVED AS REQUIRED FOR NEW CONSTRUCTION.
5. PORTION OF EXISTING WALL TO BE REMOVED, SEE ARCHITECTURAL DRAWINGS FOR EXACT SIZE AND LOCATION OF OPENING.
6. HSS6x6x1/4 ELEVATOR RAIL SUPPORT POST. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. SEE B2 / S-561, A2 / S-561 , AND D3 / S-561
7. HSS3x3x3/16 HANGER BRACE SEE DETAIL A2 / S-501

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CHEROKEE HARD ROCK CASINO 4

PROJECT
CASINO 4

KEY PLAN

No.	Description	Date
3	ADDENDUM #4	05/16/2018
5	BULLETIN #2	06/14/2018

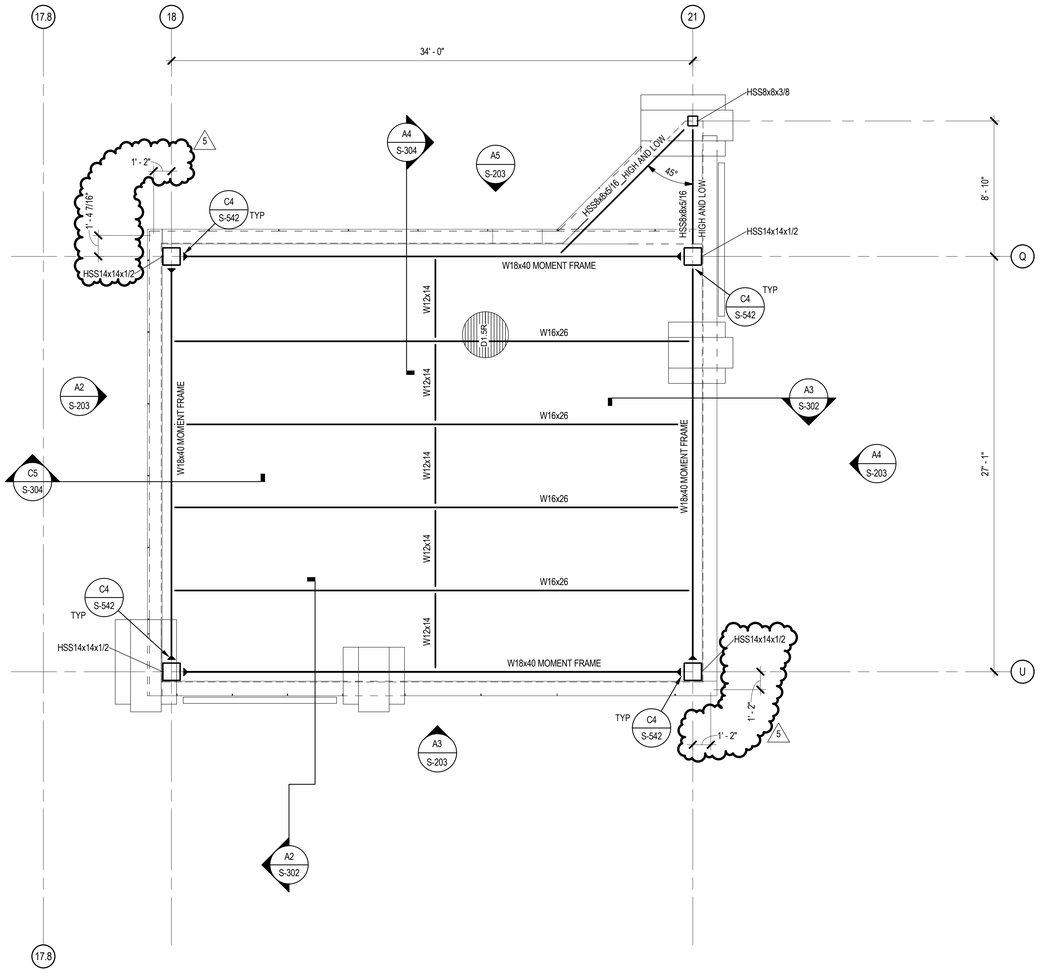
SHEET TITLE
MEZZANINE/LOW ROOF FRAMING PLAN - AREA 1

CONSTRUCTION SET

PROJECT NO: 201704
DRAWN BY: J ANDERSON
CHK'D BY: C ROMERO
ISSUE DATE: 5/4/2018

LICENSED PROFESSIONAL ENGINEER CHRIS S. ROMERO 23578 OKLAHOMA
6.23.18

S-121
Scale As indicated



A2 TOWER ROOF FRAMING PLAN - AREA 1

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

GENERAL SHEET NOTES

1. SOME SHEET KEYNOTES MAY NOT APPLY TO THIS SHEET.
2. NOTE TO ERECTOR: LATERAL STABILITY OF THE STEEL FRAME IS DEPENDENT UPON THE BRACED FRAMES. THE ERECTOR SHALL PROVIDE TEMPORARY BRACING OF THE STEEL FRAME IN ACCORDANCE WITH SECTION 7.10 OF THE AISC CODE OF STANDARD PRACTICES.
3. DIMENSIONS ARE TO THE FACE OF STUD, UNLESS NOTED OTHERWISE.
4. SEE ARCHITECTURAL DRAWINGS FOR MASONRY DIMENSIONS NOT SHOWN.
5. EXISTING CONSTRUCTION IS PER AVAILABLE EXISTING DRAWINGS. ALL EXISTING CONSTRUCTION AND DIMENSIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. SHOULD CONDITIONS VARY FROM THOSE SHOWN, CONTACT ENGINEER BEFORE PROCEEDING.
6. JOISTS ARE SPACED EQUALLY BETWEEN SUPPORTS, AS SHOWN ON PLAN, UNLESS NOTED OTHERWISE.
7. PROVIDE JOIST BRIDGING PER THE 42ND EDITION OF THE SJI SPECIFICATIONS AND OSHA REQUIREMENTS.
8. STEEL JOIST MANUFACTURER SHALL DESIGN ROOF JOISTS AND ROOF JOIST GIRDERS SUPPORTING MECHANICAL UNITS FOR 1.2x MECHANICAL UNIT WEIGHTS SHOWN. USE 48 PSF DEAD LOAD AND 25 PSF LIVE LOAD UNLESS NOTED OTHERWISE. CONTRACTOR SHALL VERIFY ACTUAL MECHANICAL LOADS. NOTIFY STEEL JOIST MANUFACTURER OF ANY DISCREPANCIES.
9. CONTRACTOR SHALL COORDINATE ALL STEEL JOIST SEAT DEPTHS WITH STEEL JOIST FABRICATOR. ALL BEARING ELEVATIONS SHOWN ON PLANS, ARE TO TOP OF JOISTS (DECK BEARING) AND DO NOT INCORPORATE THE DEPTH OF THE JOIST SEATS.
10. STRUCTURAL COLD FORMED METAL STUDS SHALL BE 6" WIDE, UNLESS NOTED OTHERWISE. STUD THICKNESS AND SPACING BY OTHERS.
11. SEE SHEET S-331 FOR TYPICAL ROOF FRAMING SECTIONS.
12. SEE SHEET S-711 THRU S-741 FOR TYPICAL DETAILS.
13. SEE SHEET S-501 THRU S-661 FOR FRAMING DETAILS.
14. SEE SHEET S-601 FOR SCHEDULES.

SHEET KEYNOTE

1. MECHANICAL OPENING. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS. FOR TYPICAL FRAMING, SEE B1 / S-741 AND A1 / S-741
2. MECHANICAL UNIT. COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
3. NOT USED.
4. FUTURE OPERABLE PARTITION BELOW.
5. HYDRONIC PIPING - SEE MECHANICAL AND PLUMBING DRAWINGS FOR MORE INFORMATION. STRUCTURE HAS BEEN DESIGNED TO SUPPORT HYDRONIC PIPING ONLY IN THE LOCATIONS SHOWN. HYDRONIC PIPES SHALL NOT BE LOCATED ELSEWHERE UNLESS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. JOIST MANUFACTURER TO DESIGN FOR 1.2x THE LOAD INDICATED ON PLAN (UNFACTORED DEAD LOAD), IN ADDITION TO TABULATED CAPACITY LOADS BASED ON THE JOIST SIZE AND SPAN. LOADS SHOWN ON PLAN IS THE TOTAL WEIGHT OF THE PIPE GROUP. WHERE NO LOAD IS SHOWN, THE LOAD IS ACCOUNTED FOR IN THE ROOF DEAD LOAD. UNLESS NOTED OTHERWISE WITH THE JOIST MANUFACTURER, CONTRACTOR SHALL ATTACH PIPES TO EACH ROOF JOIST PERPENDICULAR TO PIPES, AND TO JOISTS PARALLEL TO THE PIPES AT 7' - 6" ON CENTER.
6. 3" (BETWEEN FINISHES) BUILDING EXPANSION JOINT.
7. C8x11.5 UNDER MECHANICAL UNIT, COORDINATE EXACT SIZE AND LOCATION WITH MECHANICAL DRAWINGS.
8. HSS6x6x1/2 MEDIA MESH SCREEN SUPPORT. COORDINATE EXACT LOCATION AND COUNT OF POSTS WITH SCREEN MANUFACTURER'S REQUIREMENTS. FINAL DESIGN TO BE COORDINATED WITH FINAL SCREEN CUT SHEETS.
9. PORTION OF EXISTING WALL TO BE REMOVED, SEE ARCHITECTURAL DRAWINGS FOR EXACT SIZE AND LOCATION OF OPENING.
10. HSS6x6x1/4 ELEVATOR RAIL SUPPORT POST. COORDINATE EXACT LOCATION WITH ELEVATOR MANUFACTURER. SEE C2 / S-561
11. HSS5xJOIST SEAT DEPTHx1/4" BLOCKING BETWEEN JOIST SEATS. SEE A2 / S-741
12. BEAM SPLICE. SEE D1 / S-542
13. HSS3x3x3/16 HANGER BRACE DETAIL SEE A2 / S-501
14. ANGLE KICKER SEE B1 / S-541 SIM

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PROJECT

CASINO 4

KEY PLAN

No.	Description	Date
2	ADDENDUM #2	05/04/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE

TOWER ROOF FRAMING PLAN - AREA 1

CONSTRUCTION SET

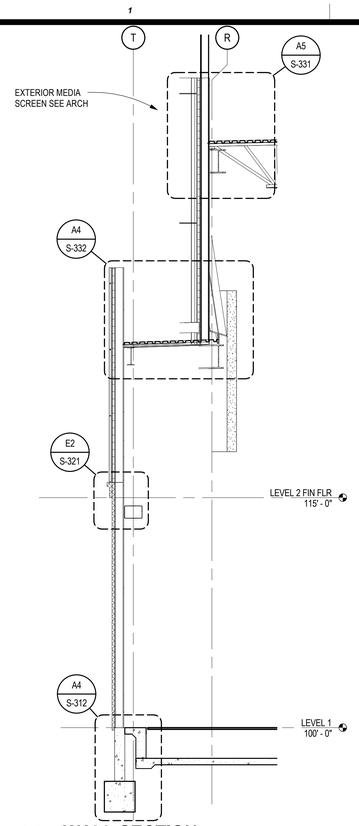
PROJECT NO: 201704
DRAWN BY: J.ANDERSON
CHK'D BY: C.ROMERO
ISSUE DATE: 5/4/2018

CHRIS S. ROMERO 23578 PROFESSIONAL ENGINEER NEW MEXICO 7.23.18

S-143

Scale As indicated

8/15/2018 7:28:53 AM



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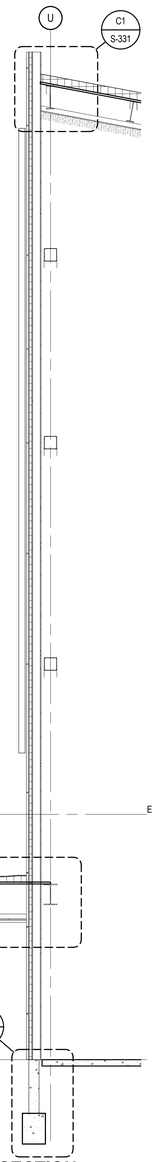

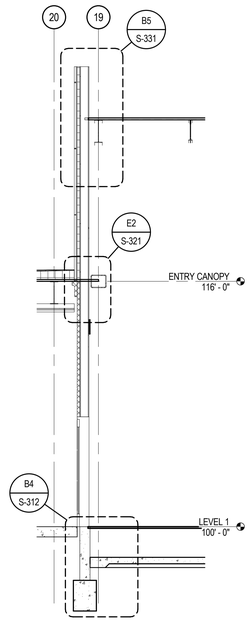

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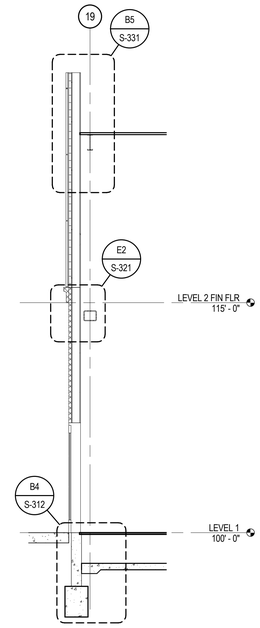

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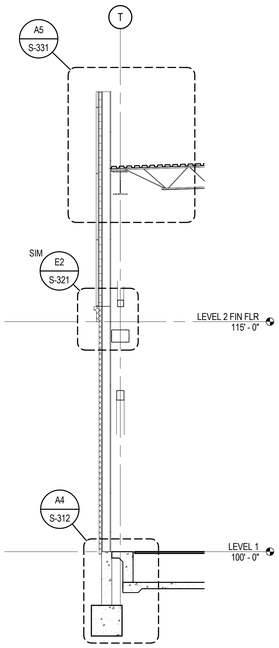

A1 WALL SECTION
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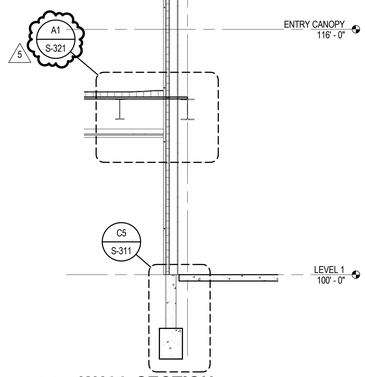

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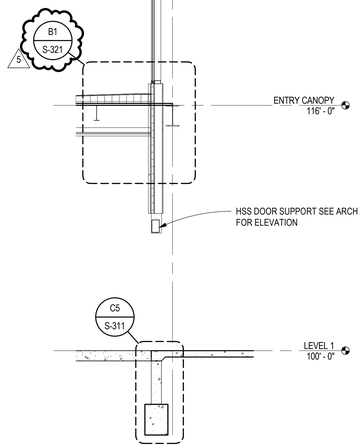

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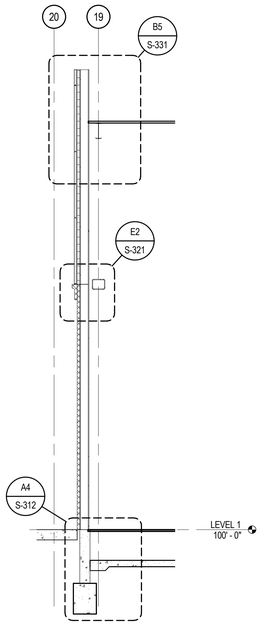

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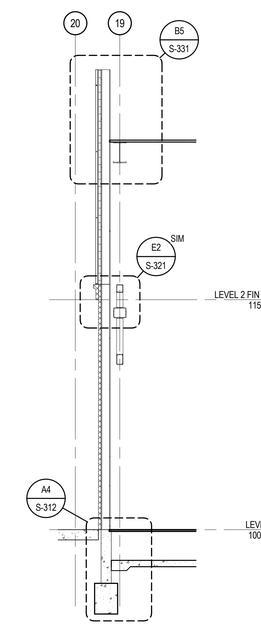

A5 WALL SECTION
SCALE: 1/4" = 1'-0"

1/16"=1'-0" 1/8"=1'-0" 1/4"=1'-0" 1/2"=1'-0" 3/4"=1'-0" 1"=1'-0" 1 1/2"=1'-0" 3"=1'-0"

6/15/2018 7:29:05 AM

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PROJECT

CASINO 4

KEY PLAN

No.	Description	Date
5	BULLETIN #2	06/14/2018

SHEET TITLE

WALL SECTIONS

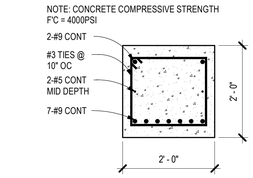
CONSTRUCTION SET

PROJECT NO: 201704
DRAWN BY: J ANDERSON
CHK'D BY: C ROMERO
ISSUE DATE: 5/4/2018

CHRIS S. ROMERO 23578 REGISTERED PROFESSIONAL ENGINEER STATE OF OKLAHOMA 6.23.18

S-302

Scale 1/4" = 1'-0"



E1 GRADE BEAM SECTION
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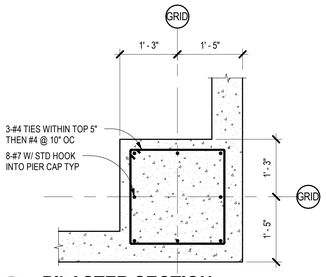

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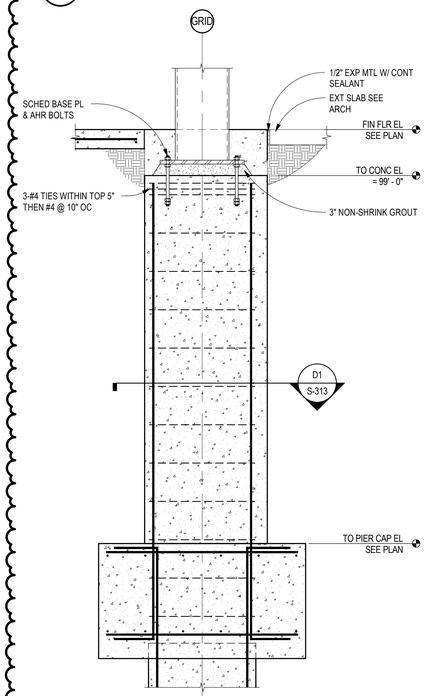

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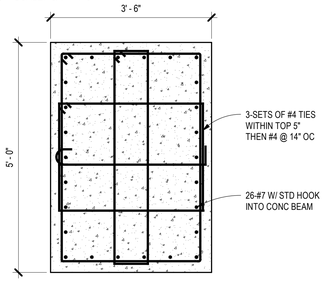

A1 FOUNDATION SECTION
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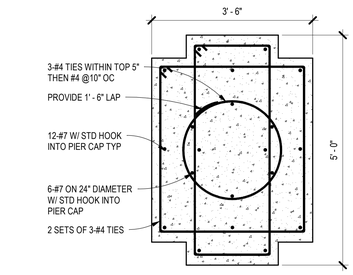

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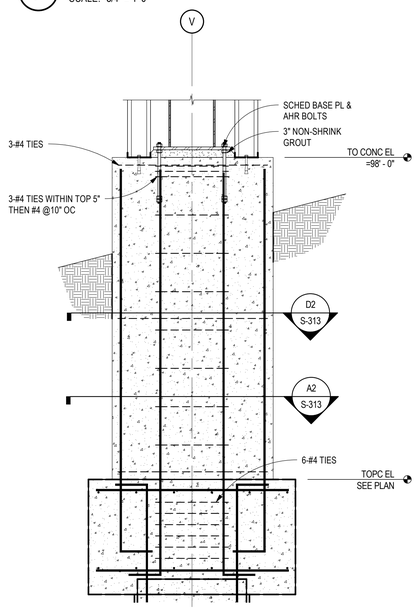

B2 COL WRAP FOUNDATION SECTION
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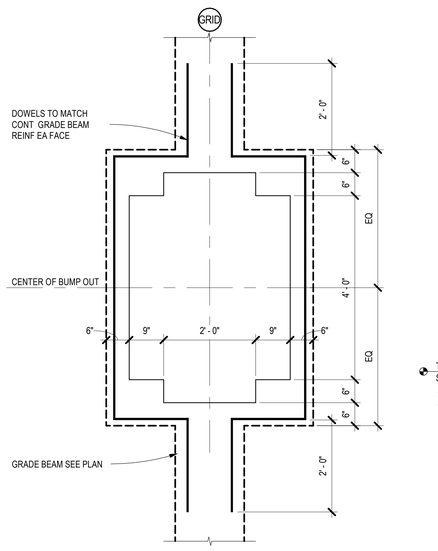

A2 GRADE BEAM AT WALL BUMPOUT
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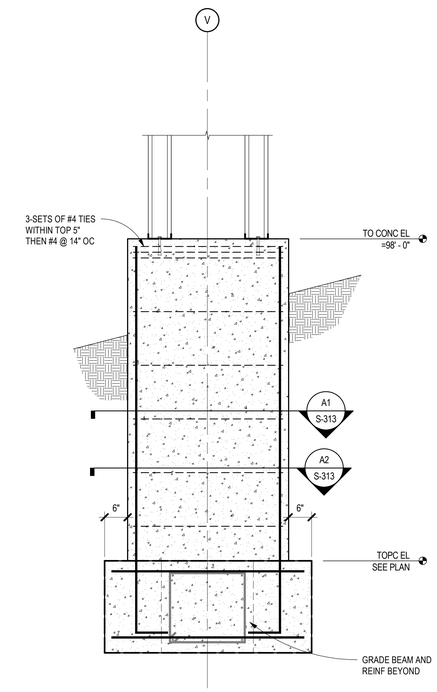

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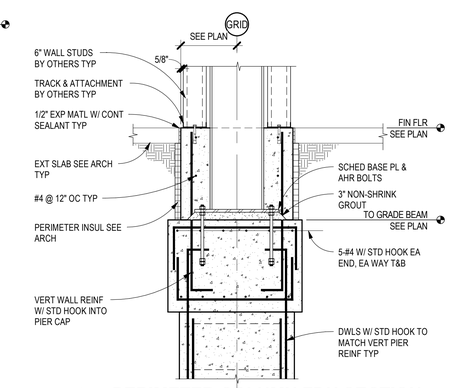

B3 PERIMETER COLUMN FDN SECTION
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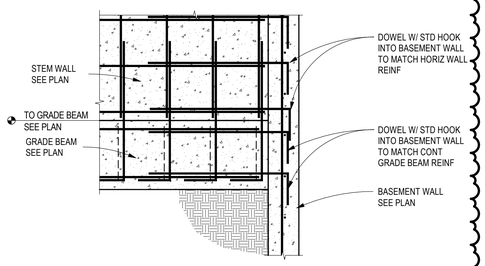

A3 GRADE BEAM TO BASEMENT WALL
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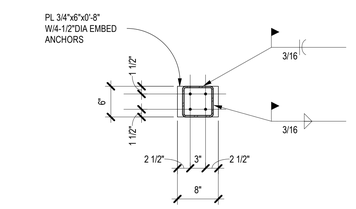

D4 POST BASE DETAIL
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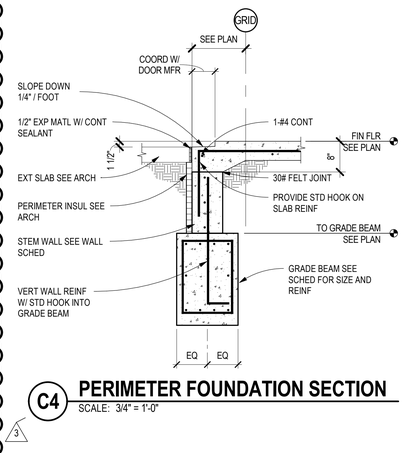

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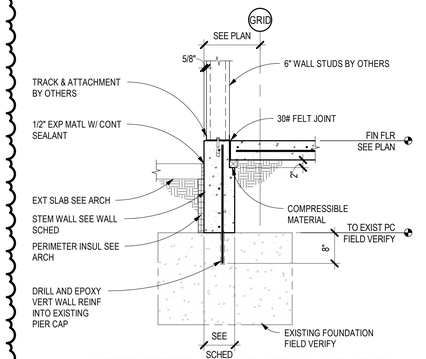

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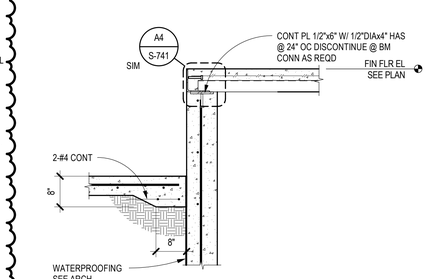

A4 FLR FRAMING DETAIL
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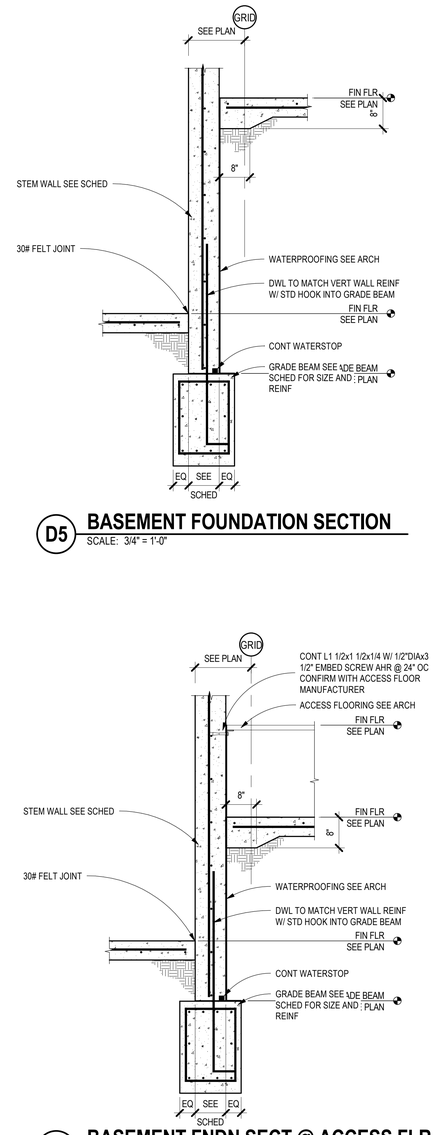

D5 BASEMENT FOUNDATION SECTION
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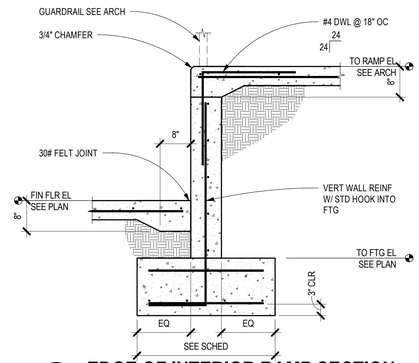
B5 BASEMENT FNDN SECT @ ACCESS FLR
SCALE: 3/4" = 1'-0"



A5 EDGE OF INTERIOR RAMP SECTION
SCALE: 3/4" = 1'-0"

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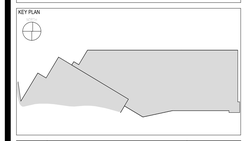
505-344-4080 505-343-8759 (fax)

PROJECT

CASINO 4

KEY PLAN



No.	Description	Date
2	ADDENDUM #2	05/04/2018
3	ADDENDUM #4	05/16/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE

FOUNDATION SECTIONS

CONSTRUCTION SET

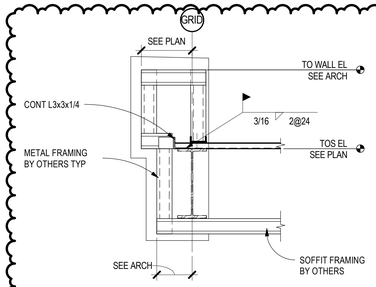
PROJECT NO: 201704
DRAWN BY: J ANDERSON
CHK'D BY: C ROMERO
ISSUE DATE: 5/4/2018

S-313

Scale: As indicated

REGISTERED PROFESSIONAL ENGINEER
CHRIS S. ROMERO
23578
OKLAHOMA
6.23.18

6/15/2018 7:29:11 AM



D1 ROOF FRAMING SECTION
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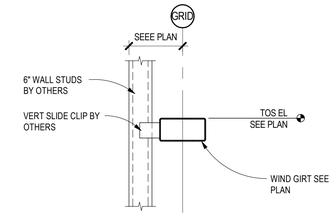

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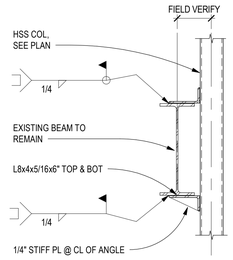

E3 EXISTING BM TO HSS COL
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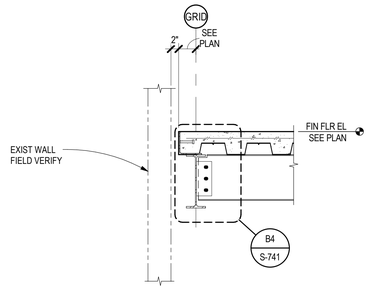

E4 FLOOR FRAMING SECTION
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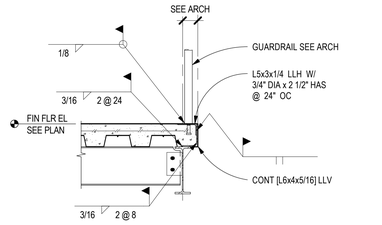

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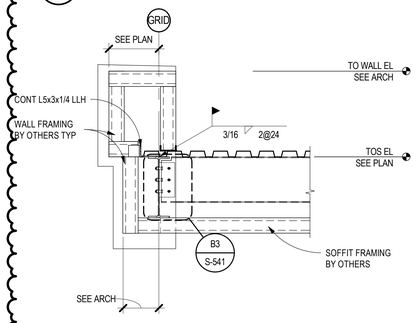
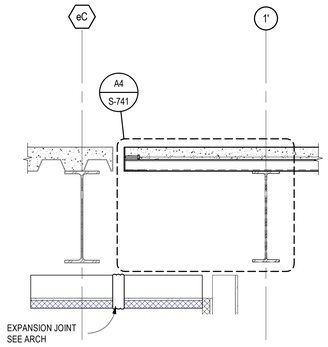
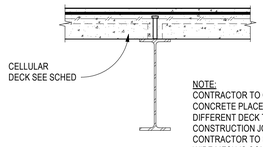
SCALE: 3/4" = 1'-0"



C1 PORTE COCHERE FRAMING SECTION
SCALE: 3/4" = 1'-0"

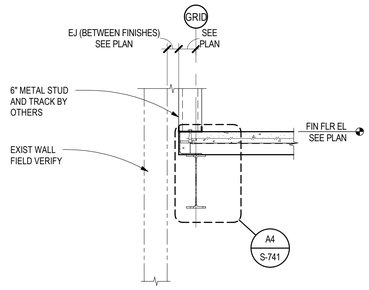


C2 FRAMING SECTION
SCALE: 3/4" = 1'-0"

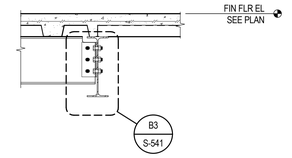


NOTE:
CONTRACTOR TO COORDINATE CONCRETE PLACEMENT OVER DIFFERENT DECK TYPES. IF A CONSTRUCTION JOINT IS DESIRED, CONTRACTOR TO ENSURE WELDED WIRE MESH IS CONTINUOUS THRU JOINT.

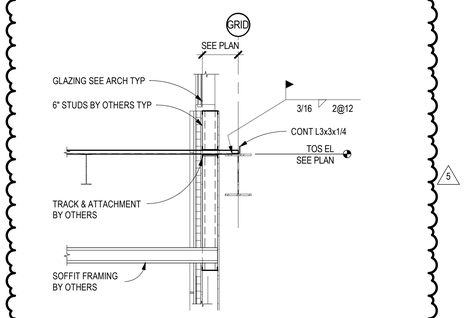
C3 SECT AT MEZZANINE DECK CHANGE
SCALE: 1" = 1'-0"



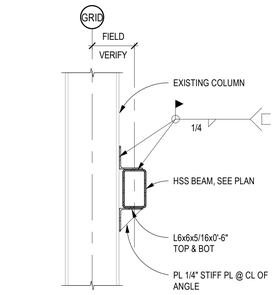
C4 FLOOR FRAMING SECTION
SCALE: 3/4" = 1'-0"



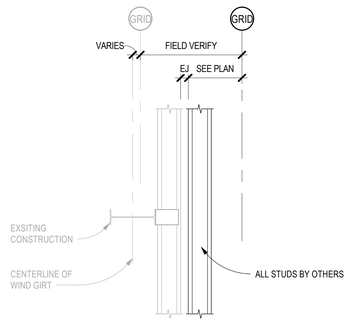
C5 FLOOR DECK TRANSITION
SCALE: 3/4" = 1'-0"



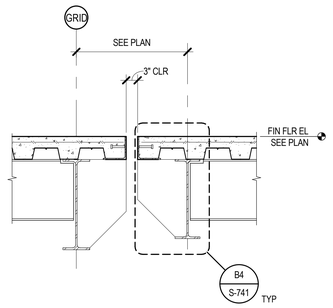
B1 ROOF FRAMING SECTION
SCALE: 1/2" = 1'-0"



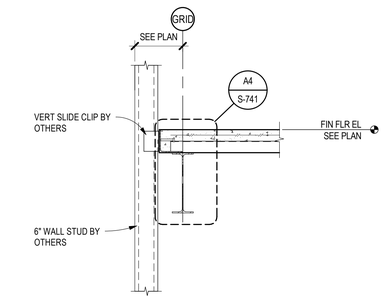
B2 HSS HEADER TO EXISTING COLUMN
SCALE: 3/4" = 1'-0"



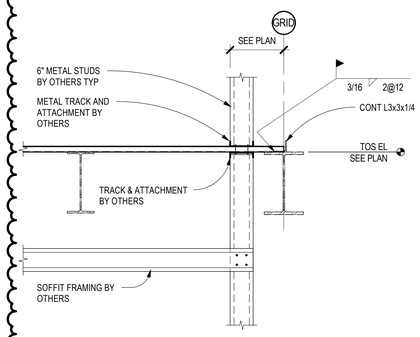
B3 SECTION AT EXISTING WIND GIRT
SCALE: 3/4" = 1'-0"



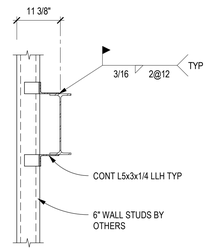
B4 FLOOR EXPANSION JOINT
SCALE: 3/4" = 1'-0"



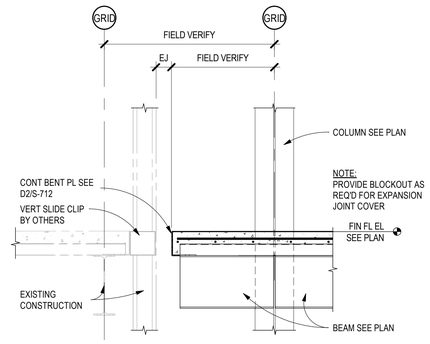
B5 FLOOR FRAMING SECTION
SCALE: 3/4" = 1'-0"



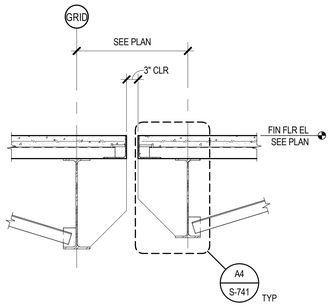
A1 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



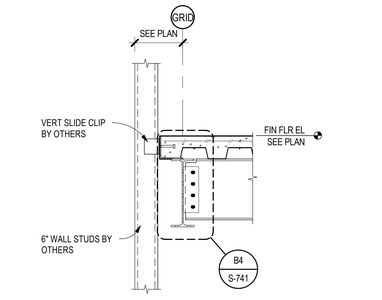
A2 FRAMING SECTION
SCALE: 3/4" = 1'-0"



A3 SECTION AT ROOF / EXISTING
SCALE: 3/4" = 1'-0"



A4 FLOOR EXPANSION JOINT
SCALE: 3/4" = 1'-0"



A5 FLOOR FRAMING SECTION
SCALE: 3/4" = 1'-0"

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PROJECT
CASINO 4

KEY PLAN

No.	Description	Date
5	BULLETIN #2	06/14/2018

SHEET TITLE
FLOOR FRAMING SECTIONS

CONSTRUCTION SET

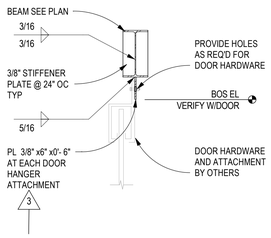
PROJECT NO. 201704
DRAWN BY: J ANDERSON
CHKD BY: C ROMERO
ISSUE DATE: 5/4/2018

S-321

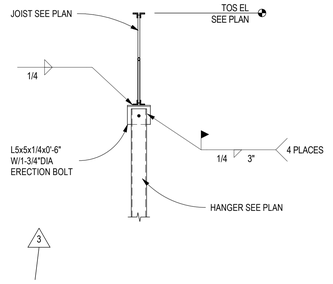
Scale As indicated

CHRIS S. ROMERO 23578 PROFESSIONAL ENGINEER NEW MEXICO
7.23.18

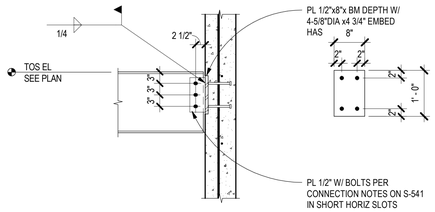
6/15/2018 7:29:20 AM



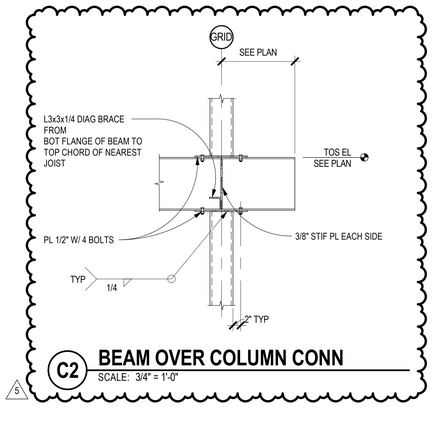
D3 BEAM AT DOOR CONNX
SCALE: 3/4" = 1'-0"



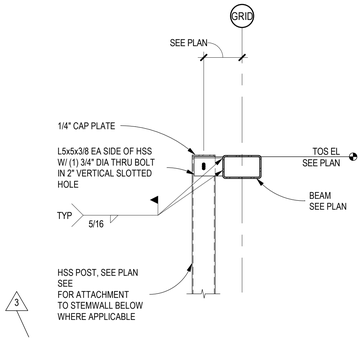
D4 HSS HANGER TO BEAM
SCALE: 3/4" = 1'-0"



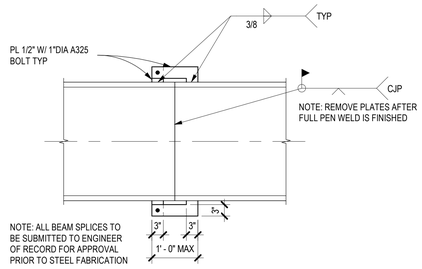
D5 BEAM TO CONC WALL DETAIL
SCALE: 3/4" = 1'-0"



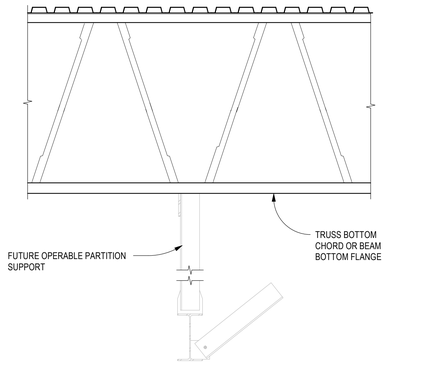
C2 BEAM OVER COLUMN CONN
SCALE: 3/4" = 1'-0"



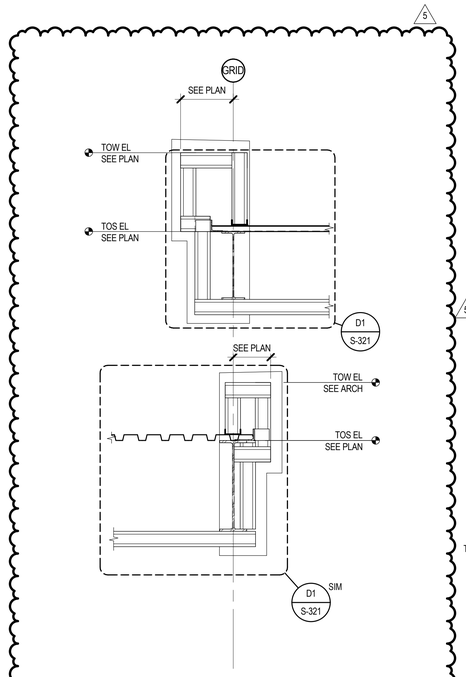
C3 TYPICAL POST TO ROOF BEAM CONN
SCALE: 3/4" = 1'-0"



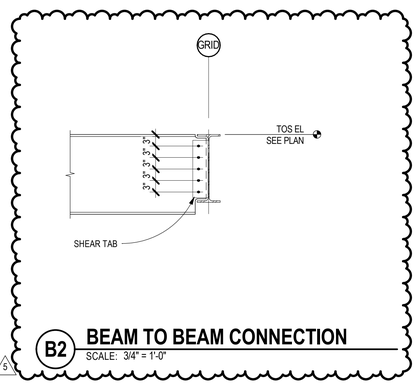
C4 WELDED BEAM SPLICE DETAIL
SCALE: 3/4" = 1'-0"



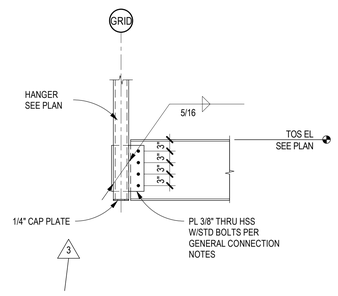
C5 OPERABLE PARTITION SUPPORT DTL
SCALE: 3/4" = 1'-0"



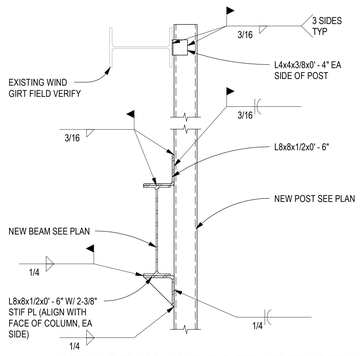
A1 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



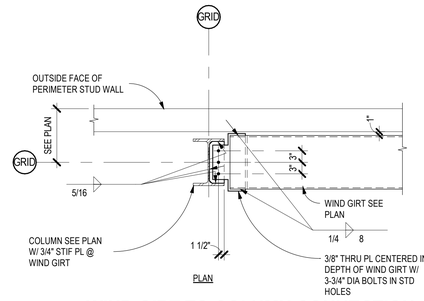
B2 BEAM TO BEAM CONNECTION
SCALE: 3/4" = 1'-0"



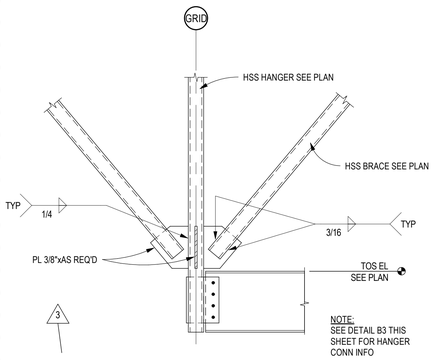
B3 STEEL BEAM TO HSS THRU PLATE
SCALE: 3/4" = 1'-0"



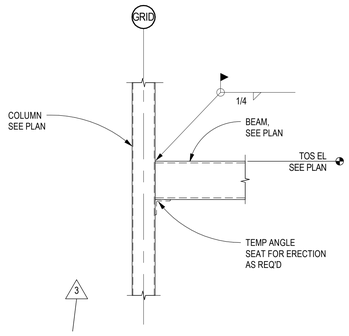
B4 NEW BEAM AND POST AT EXISTING
SCALE: 3/4" = 1'-0"



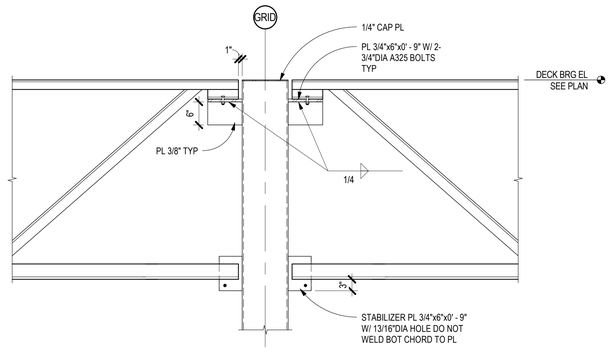
B5 WIND GIRT TO COLUMN CONNECTION
SCALE: 3/4" = 1'-0"



A2 BRACE DETAIL
SCALE: 3/4" = 1'-0"



A3 HSS HEADER CONNECTION
SCALE: 3/4" = 1'-0"



A4 JOIST GIRDERS TO HSS COL
SCALE: 3/4" = 1'-0"

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PROJECT
CASINO 4

KEY PLAN

No.	Description	Date
3	ADDENDUM #4	05/16/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE
FRAMING DETAILS

CONSTRUCTION SET

PROJECT NO. 201704
DRAWN BY: J ANDERSON
CHK'D BY: C ROMERO
ISSUE DATE: 5/4/2018

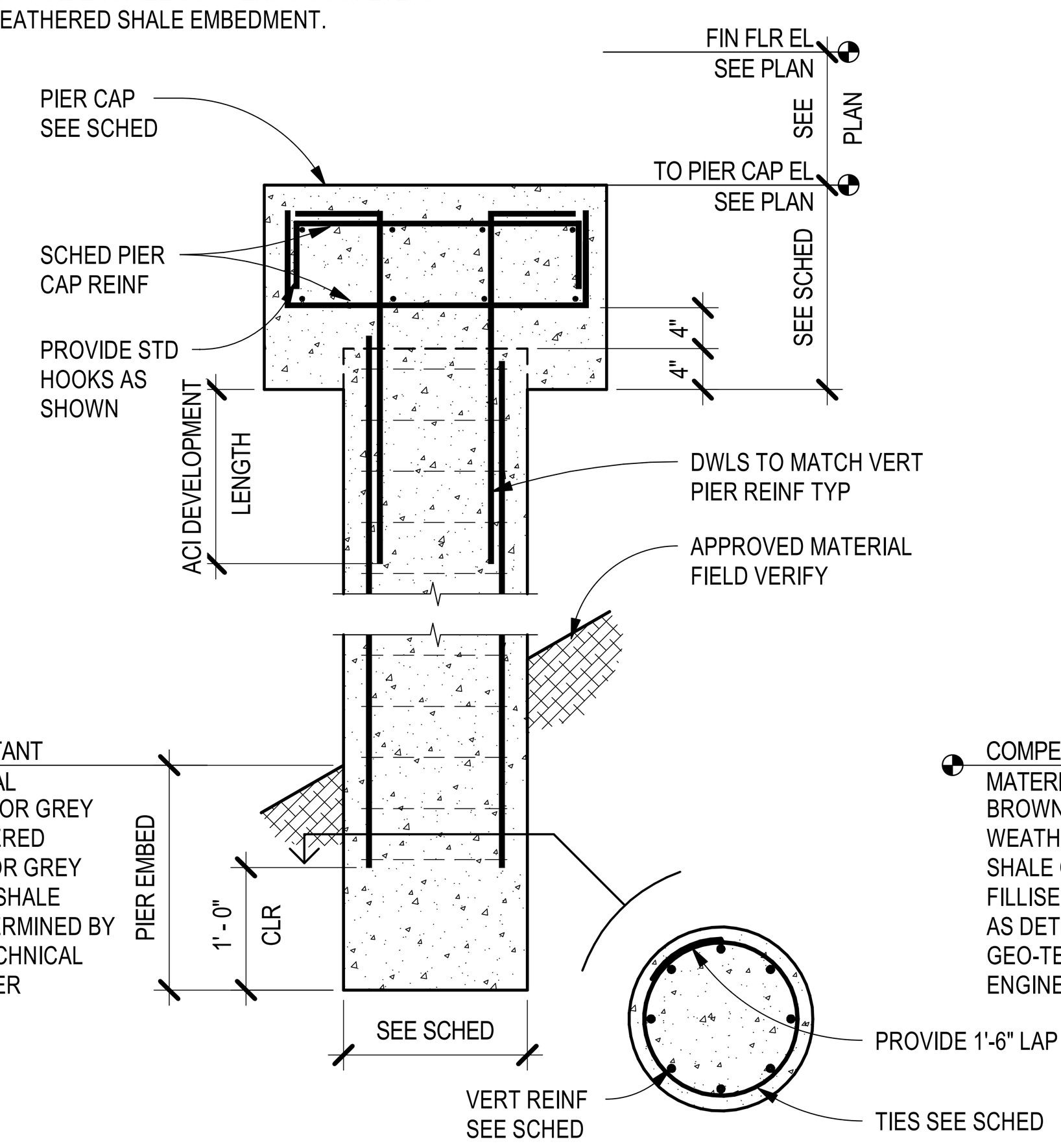
CHRIS S. ROMERO 23578 PROFESSIONAL ENGINEER NEW MEXICO 7.23.18

S-501
Scale 3/4" = 1'-0"

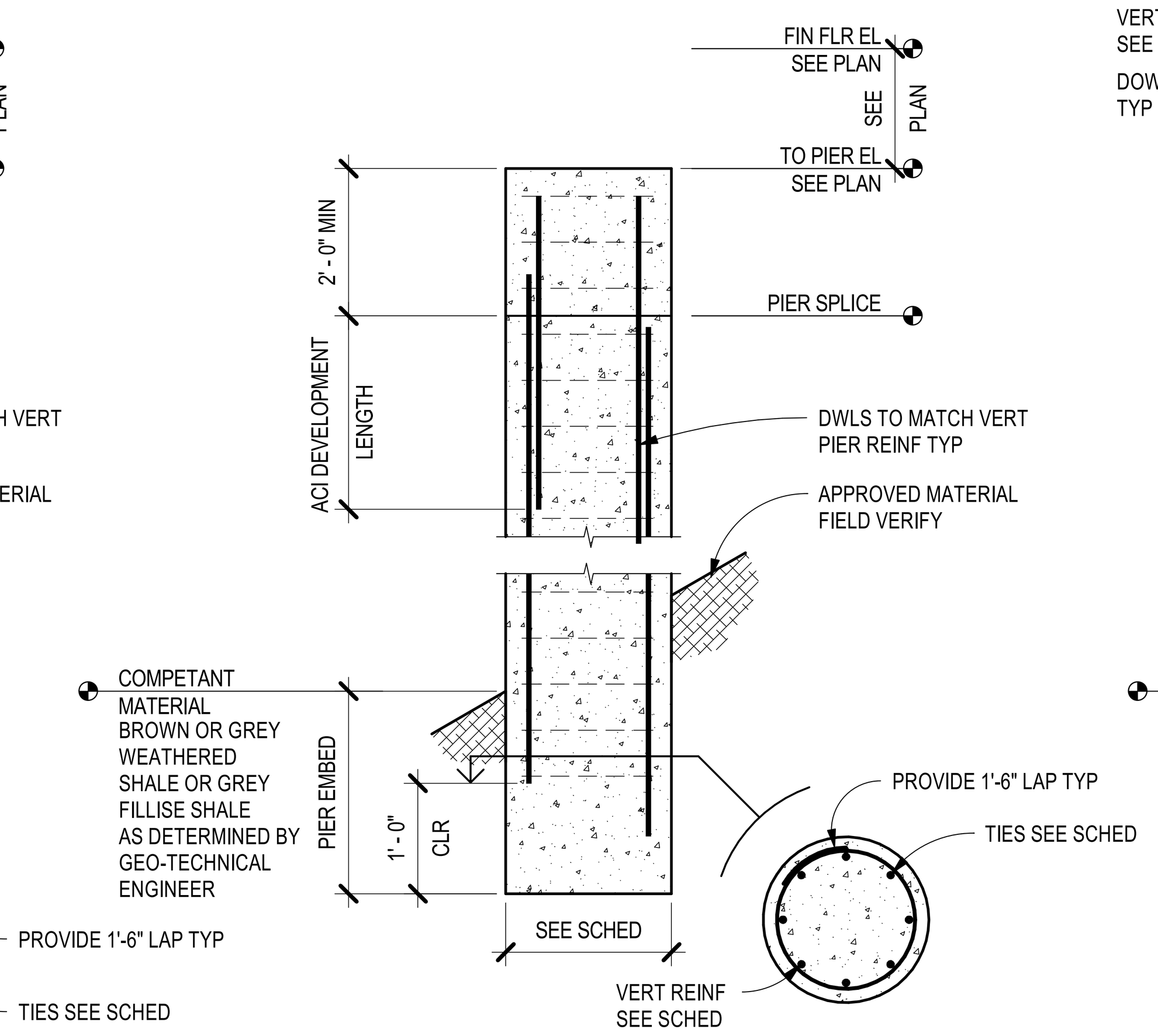
6/15/2018 7:29:24 AM

NOTE: CONTRACTOR TO CONTACT STRUCTURAL ENGINEER IF ANY EXISTING PIERS ARE DISCOVERED AND IF THEY ARE LOCATED LESS THAN 2 PIER DIAMETERS OF A NEW PIER.

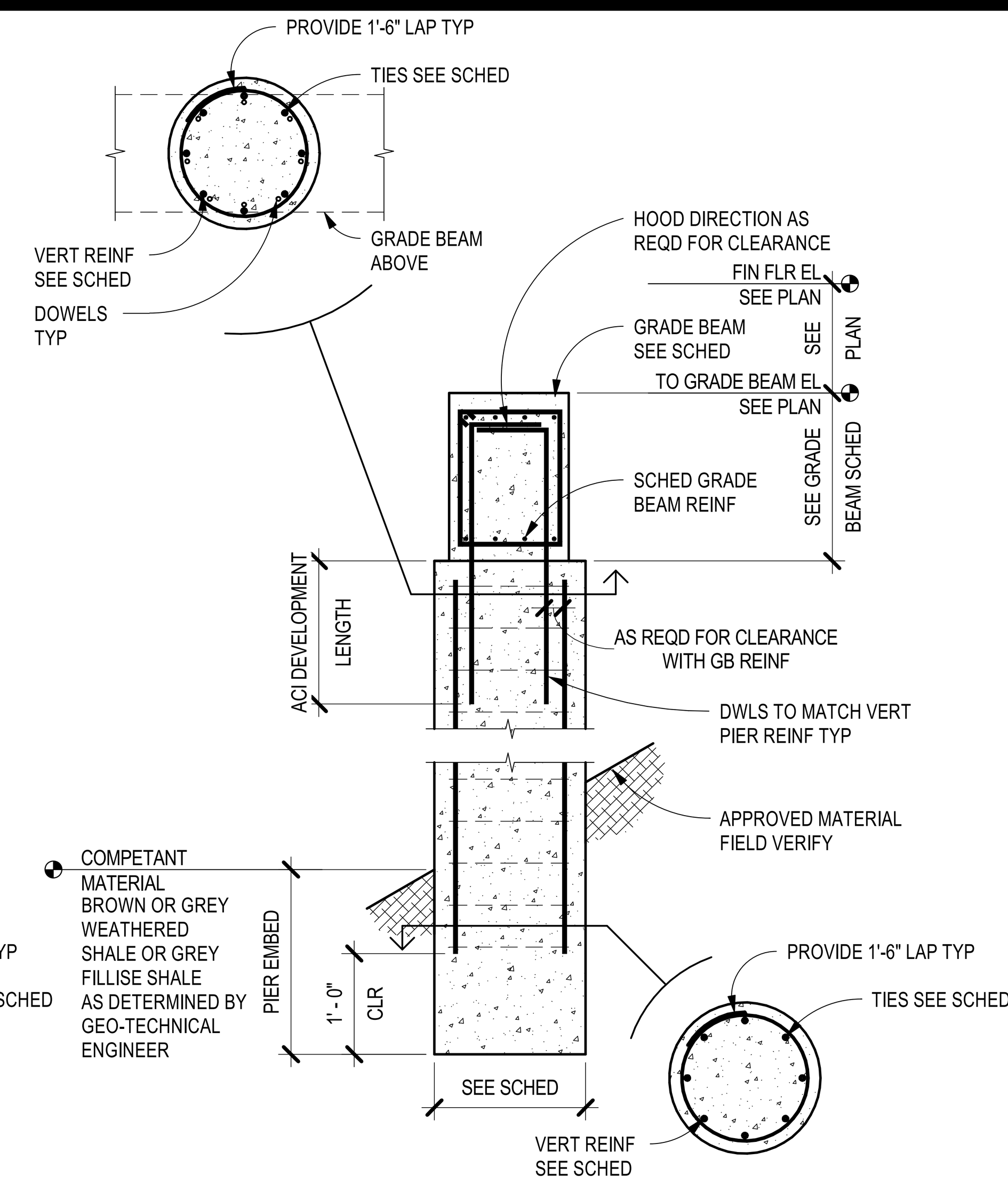
NOTE: PIER EMBEDMENT LENGTHS ARE MINIMUM LENGTHS. ACTUAL LENGTHS REQUIRED TO BE VERIFIED DURING PLACEMENT BY A QUALIFIED REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER TO VERIFY COMPETENT AND/OR UNWEATHERED SHALE EMBEDMENT.



TYPE 'A'



TYPE 'B'



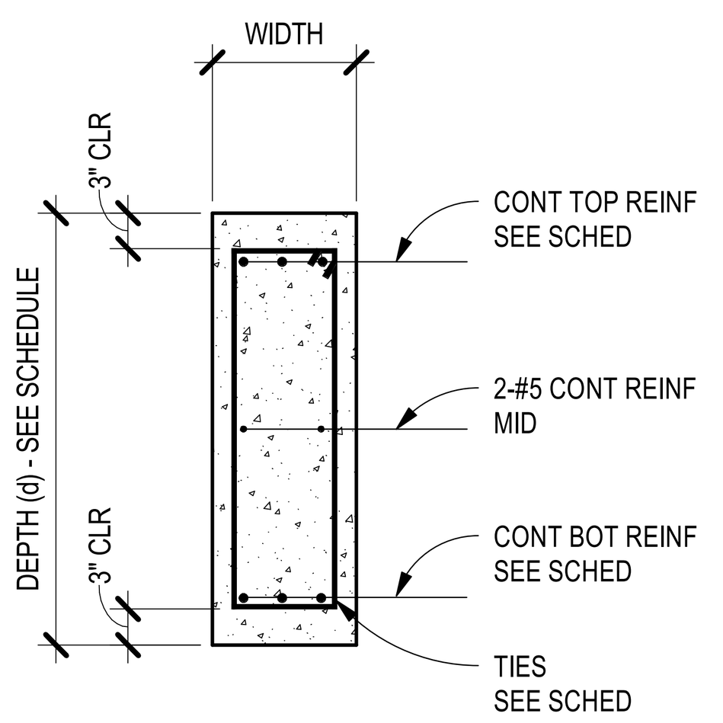
TYPE 'C'

D1 PIER TYPE DETAILS AND SCHEDULE

SCALE: NTS

PIER CAP SCHEDULE												
MARK	PIER TYPE	PIER(S) Ø	PIER EMBED	VERTICAL REINF	HORIZ TIES	PIER CAP TYPE	SCHED 'A'	SCHED 'B'	DEPTH	CG PCAP REINF TOP	CG PCAP REINF BOT	REMARKS
P1	B	1 - 30" DIA	3' - 0"	12 - #7	#4 @ 12" OC	---						
P3	B	1 - 30" DIA	5' - 0"	12 - #7	#4 @ 12" OC	---						
P5	B	1 - 48" DIA	3' - 0"	24 - #8	#4 @ 12" OC	---						
P6	B	1 - 48" DIA	5' - 0"	24 - #8	#4 @ 12" OC	---						
P7	A	1 - 30" DIA	3' - 0"	12 - #7	#4 @ 12"OC	1	3' - 6"	3' - 6"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12"OC EA WAY	
P8	A	1 - 30" DIA	3' - 0"	12 - #7	#4 @ 12"OC	1	4' - 0"	4' - 0"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12"OC EA WAY	
P9	A	1 - 30" DIA	4' - 0"	12 - #7	#4 @ 12"OC	1	4' - 0"	4' - 0"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12"OC EA WAY	
P10	A	1 - 30" DIA	5' - 0"	12 - #7	#4 @ 12"OC	1	4' - 0"	4' - 0"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12"OC EA WAY	
P11	A	1 - 30" DIA	3' - 0"	12 - #7	#4 @ 12"OC	1	4' - 6"	4' - 6"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12"OC EA WAY	
P12	A	1 - 30" DIA	7' - 0"	12 - #7	#4 @ 12"OC	1	4' - 6"	4' - 6"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12"OC EA WAY	
P13	A	1 - 48" DIA	3' - 0"	24 - #8	#4 @ 12"OC	1	4' - 6"	4' - 6"	4' - 0"	#9 @ 10" OC EA WAY	#9 @ 10" OC EA WAY	
P14	A	1 - 48" DIA	4' - 0"	24 - #8	#4 @ 12"OC	1	4' - 6"	4' - 6"	4' - 0"	#9 @ 10" OC EA WAY	#9 @ 10" OC EA WAY	
P15	A	1 - 48" DIA	5' - 0"	24 - #8	#4 @ 12"OC	1	4' - 6"	4' - 6"	4' - 0"	#9 @ 10" OC EA WAY	#9 @ 10" OC EA WAY	
P16	A	1 - 30" DIA	3' - 0"	12 - #7	#4 @ 12"OC	6	4' - 0"	5' - 0"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12"OC EA WAY	
P17	A	1 - 30" DIA	6' - 0"	12 - #7	#4 @ 12"OC	7	6' - 6"	5' - 6"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12"OC EA WAY	
P18	A	1 - 48" DIA	3' - 0"	24 - #8	#4 @ 12"OC	1	4' - 8"	4' - 8"	4' - 0"	#9 @ 10" OC EA WAY	#9 @ 10" OC EA WAY	
P19	A	1 - 48" DIA	6' - 0"	24 - #8	#4 @ 12"OC	1	4' - 8"	4' - 8"	4' - 0"	#9 @ 10" OC EA WAY	#9 @ 10" OC EA WAY	
P20	A	2 - 30" DIA	3' - 0"	12 - #7	#4 @ 12"OC	2	8' - 6"	4' - 0"	2' - 6"	6 - #5 EA WAY	6 -#5 EA WAY	
P21	A	1 - 30" DIA	3' - 0"	12 - #7	#4 @ 12"OC	3	3' - 6"	4' - 6"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12"OC EA WAY	
P22	A	4 - 30" DIA	3' - 0"	12 - #7	#4 @ 12" OC	5	14' - 0"	13' - 9"	4' - 0"	#9 @ 10" OC EA WAY	#9 @ 10" OC EA WAY	
P23	C	1 - 30" DIA	3' - 0"	12 - #7	#4 @ 12" OC	---						
P24	C	1 - 30" DIA	6' - 0"	12 - #7	#4 @ 12" OC	---						
P25	A	2 - 30" DIA	7' - 0"	12 - #7	#4 @ 12"OC	2	8' - 6"	4' - 0"	2' - 6"	6 - #5 EA WAY	6 -#5 EA WAY	
P26	A	1 - 30" DIA		12 - #7	#4 @ 12"OC	3	3' - 6"	4' - 6"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12"OC EA WAY	
P27	A	1 - 30" DIA	3' - 0"	12 - #7	#4 @ 12"OC	1	5' - 6"	4' - 6"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12"OC EA WAY	
P28	A	1 - 30" DIA	3' - 0"	12 - #7	#4 @ 12"OC	3	4' - 0"	5' - 3"	2' - 6"	#8 @ 12" OC EA WAY	#8 @ 12"OC EA WAY	

5



GRADE BEAM NOTES:

REBAR SPLICES AT TOP REINFORCING AND MIDDLE REINFORCING SHALL BE LOCATED AT MIDSPAN BETWEEN SUPPORTS

REBAR SPLICES AT BOTTOM REINFORCING SHALL BE LOCATED AT SUPPORTS.

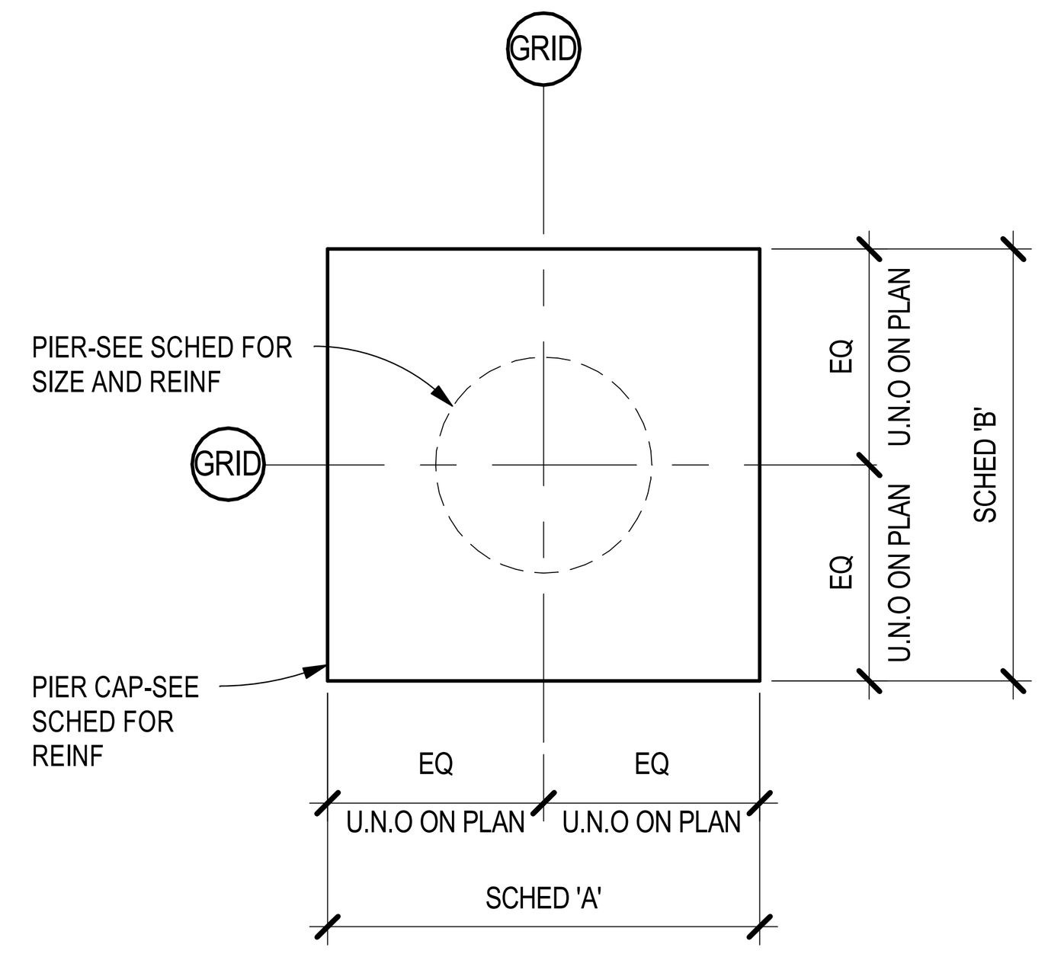
REBAR SPLICE LENGTHS SHALL BE AS REQUIRED PER GENERAL STRUCTURAL NOTES.

REBAR SUPPLIER SHALL SUBMIT SHOP DRAWINGS SHOWING LOCATIONS AND LENGTHS OF SPLICES FOR ENGINEER APPROVAL.

TIE SPACING TO START AT d/2 FROM FACE OF SUPPORT

C1 GRADE BEAM DETAIL

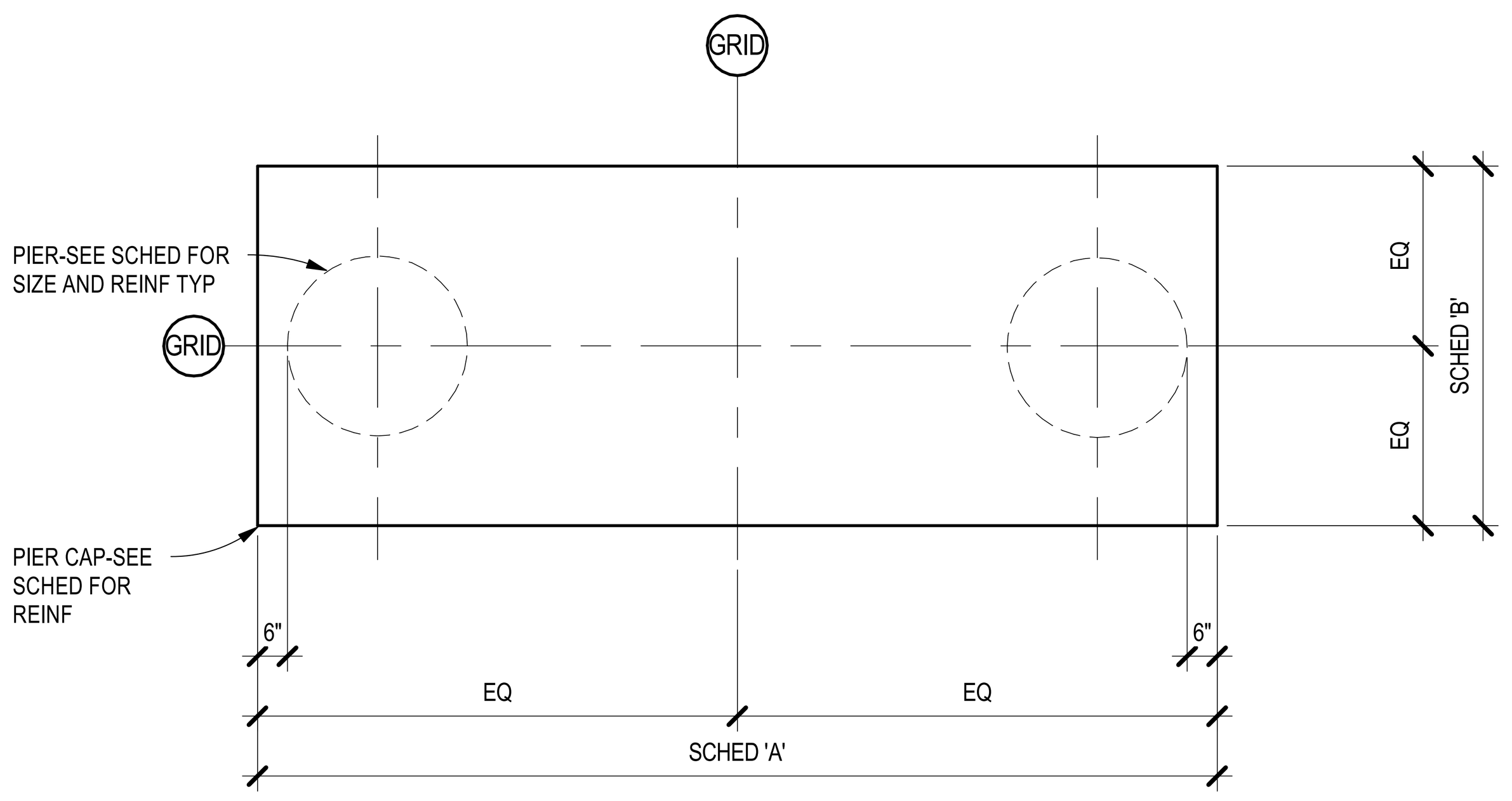
SCALE: 3/4" = 1'-0"



TYPE 1

DECK SCHEDULE															
		SLAB					METAL DECK				DECK ATTACHMENTS				
MARK	COMPOSITE SLAB	THICK	MATL	STRENGTH	REINF	REINF GRADE	THICK	TYPE	GAGE	FINISH	ATTACH PERP TO RIBS	ATTACH PARALLEL TO RIBS	ATTACH SIDELAPS	TOTAL SLAB / DECK THICKNESS	COMMENTS
D1.5R		- -	- -	- -	- -	- -	1 1/2"	B	20	PAINTED	7 - 5/8" DIA PUDDLE WELDS PER 36" WIDE SHEET	5/8" DIA PUDDLE WELDS @ 6" OC	1 1/2" SEAM WELDS @ 12" OC	1 1/2"	
D4	X	2 1/2"	NW CONC	3500 PSI	6x6 - W2.1xW2.1	A479 - FLAT SHEETS ONLY	1 1/2"	VLI	20	GALV	5 - 5/8" DIA PUDDLE WELDS PER 36" WIDE SHEET	5/8" DIA PUDDLE WELDS @ 12" OC	1 1/2" SEAM WELDS @ 18" OC	4"	
D6.25	X	3 1/4"	LW CONC	3500 PSI	6x6 - W2.1xW2.1	A479 - FLAT SHEETS ONLY	3"	VLI	18	GALV	5 - 5/8" DIA PUDDLE WELDS PER 36" WIDE SHEET	5/8" DIA PUDDLE WELDS @ 12" OC	1 1/2" SEAM WELDS @ 18" OC	6 1/4"	
D6.25C	X	3 1/4"	LW CONC	3500 PSI	6x6 - W2.1xW2.1	A479 - FLAT SHEETS ONLY	3"		18/18	GALV	5 - 5/8" DIA PUDDLE WELDS PER 36" WIDE SHEET	5/8" DIA PUDDLE WELDS @ 12" OC	1 1/2" SEAM WELDS @ 18" OC	6 1/4"	CELLULAR DECK
D10		10"	NW CONC	4000 PSI	#6 @ 16" OC EA EAY BOT & #6 @ 16" OC EA WAY TOP	A615 GRADE 60	---	---	---	---	---	---	---	10"	SEE PLAN FOR ADDITIONAL REINFORCING

SLAB-ON-GRADE SCHEDULE							
	SLAB			REINFORCING			
MARK	THICKNESS	MATL	CONC STRENGTH	REINFORCING	GRADE	BEARING STRATA	COMMENTS
SG5	5"	CONCRETE	3000 PSI	#4 @ 18" OC EA WAY	A615 GRADE 60	15 MIL VAPOR RETARDER OVER 4" GRANULAR BASE COURSE OVER COMPACTED STRUCTURAL FILL.	



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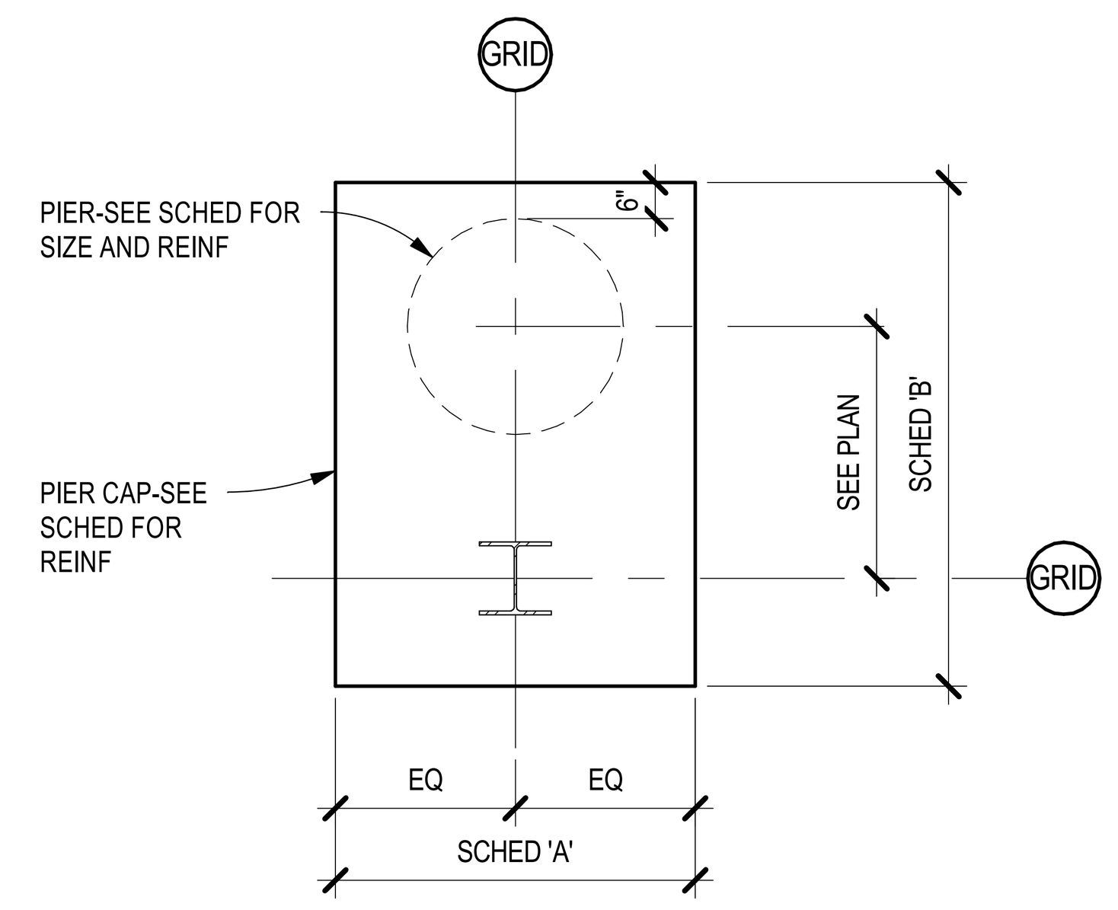

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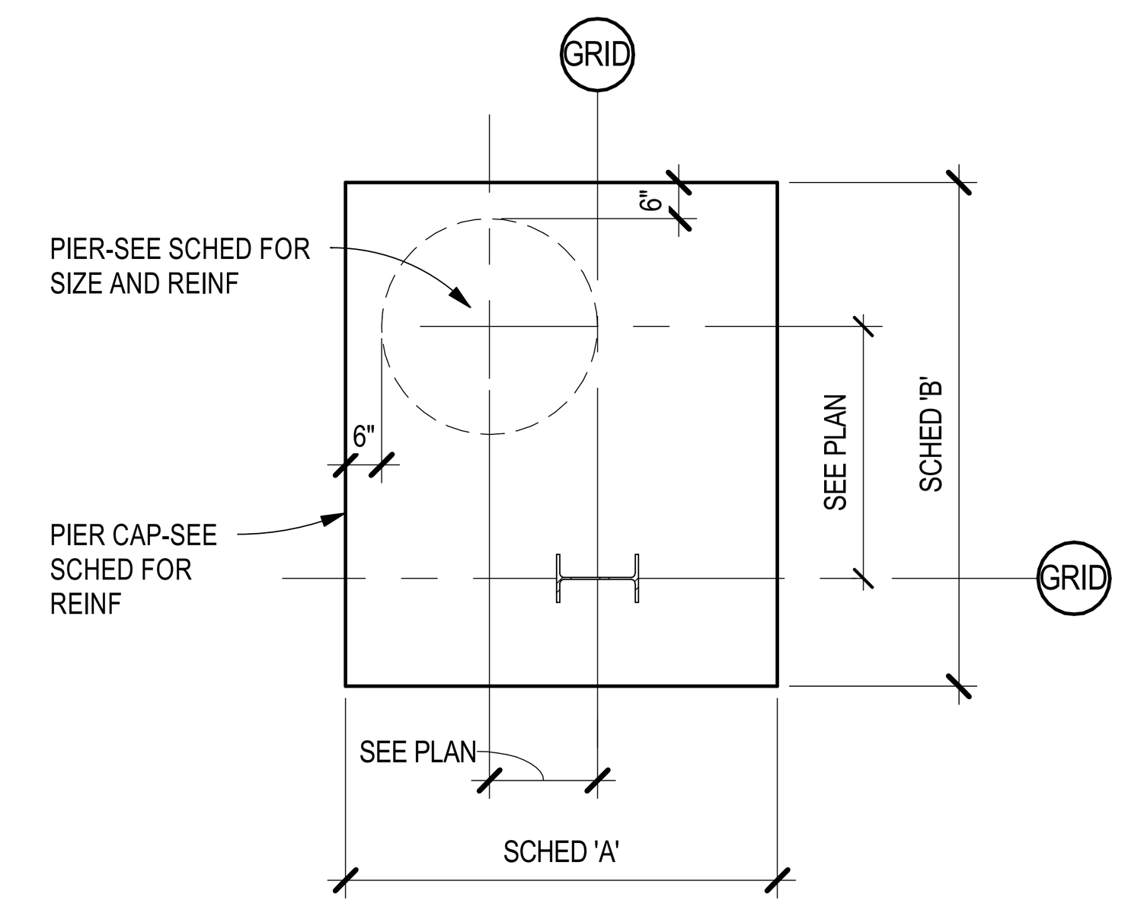


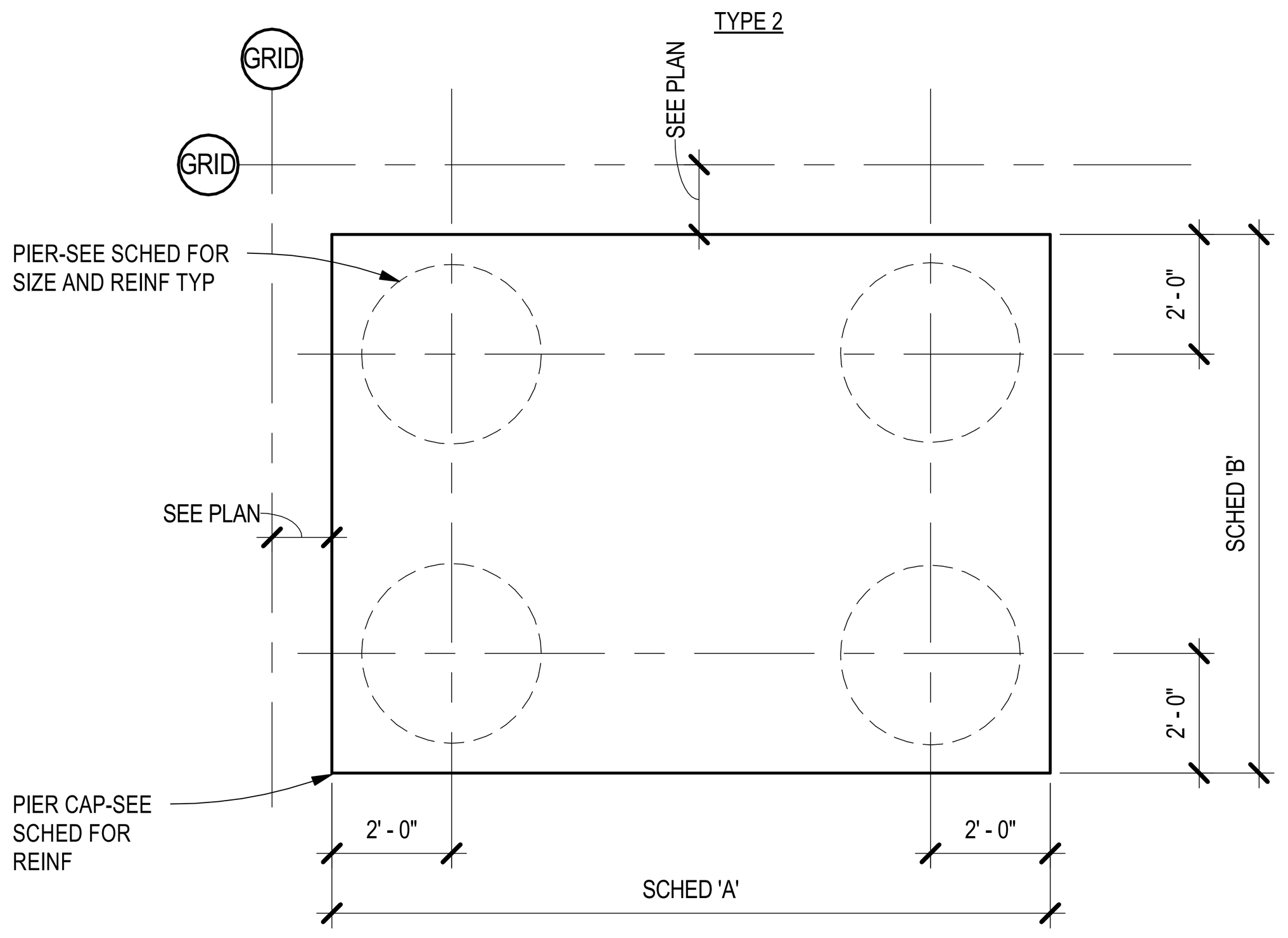
TYPE 4

SPOT FOOTING SCHEDULE							
		SIZE			REINFORCING		
MARK	CONCRETE STRENGTH	WIDTH	LENGTH	DEPTH	REINFORCING	GRADE	COMMENTS
F60	4,000 PSI	5' - 0"	5' - 0"	1' - 6"			

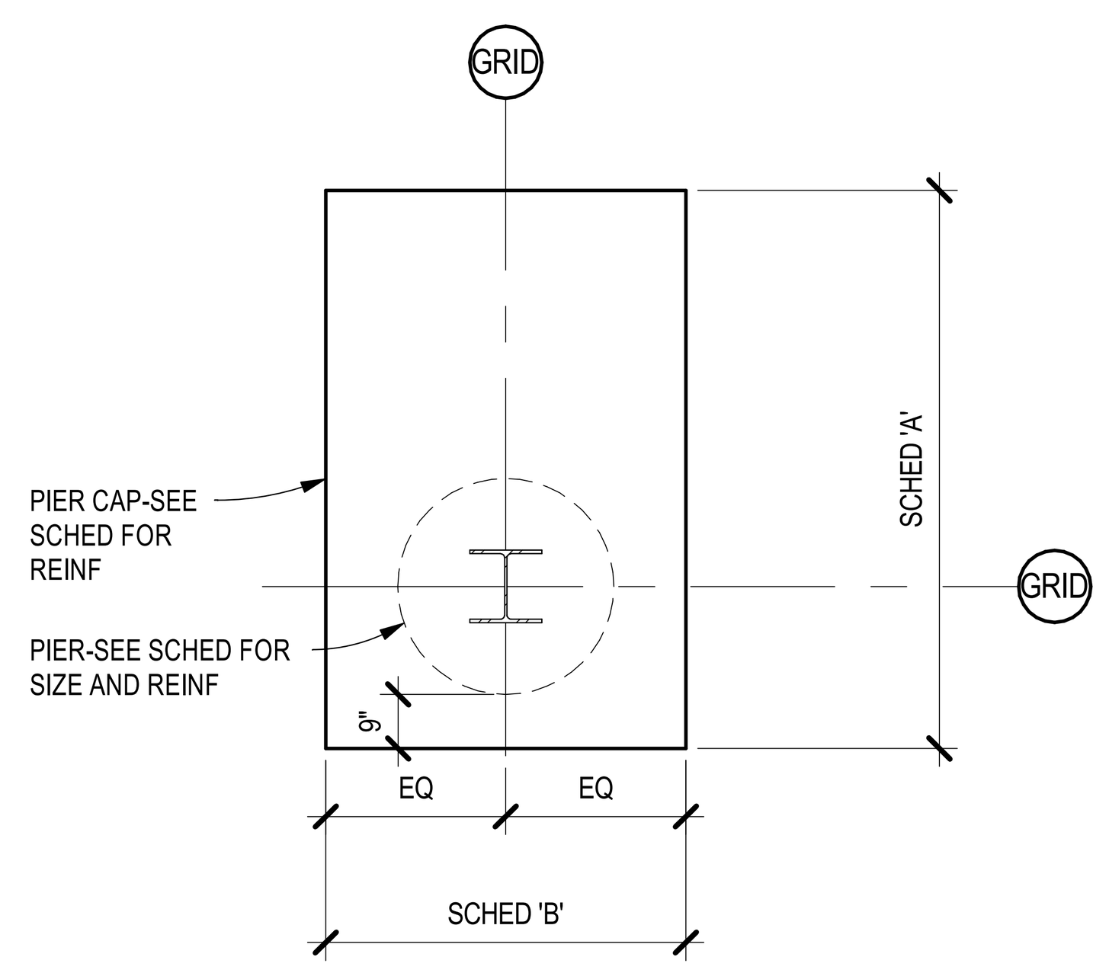
WALL SCHEDULE						
			REINFORCING			
MARK	VENEER	WALL	VERTICAL	HORIZONTAL	GRADE	COMMENTS
W1		8" CONC	#4 @ 18" OC	#4 @ 18" OC	A615	
W2		8" CMU	#5 @ 8" OC	STD LADDER TYPE JOINT REINF @ ALT COURSES	A615	
W3		8" CONC	#8 @ 12" OC	#6 @ 12" OC	A615	
W4		8" CONC	#5 @ 12" OC	#5 @ 12" OC	A615	

GRADE BEAM SCHEDULE								
		SIZE		REINFORCING				
MARK	CONCRETE STRENGTH	WIDTH	DEPTH	CONT TOP	CONT BOTTOM	TRANSVERSE	GRADE	COMMENTS
GB1	4,000 PSI	1' - 6"	2' - 0"	2-#6	3-#6	#3 @ 18"OC	A615 GRADE 60	
GB2	4,000 PSI	1' - 6"	2' - 0"	2-#8	4-#8	#3 @ 18"OC	A615 GRADE 60	SEE C1/S-601
GB3	4,000 PSI	2' - 0"	2' - 0"	2-#8	5-#8	#4 @ 12"OC	A615 GRADE 60	SEE C1/S-601

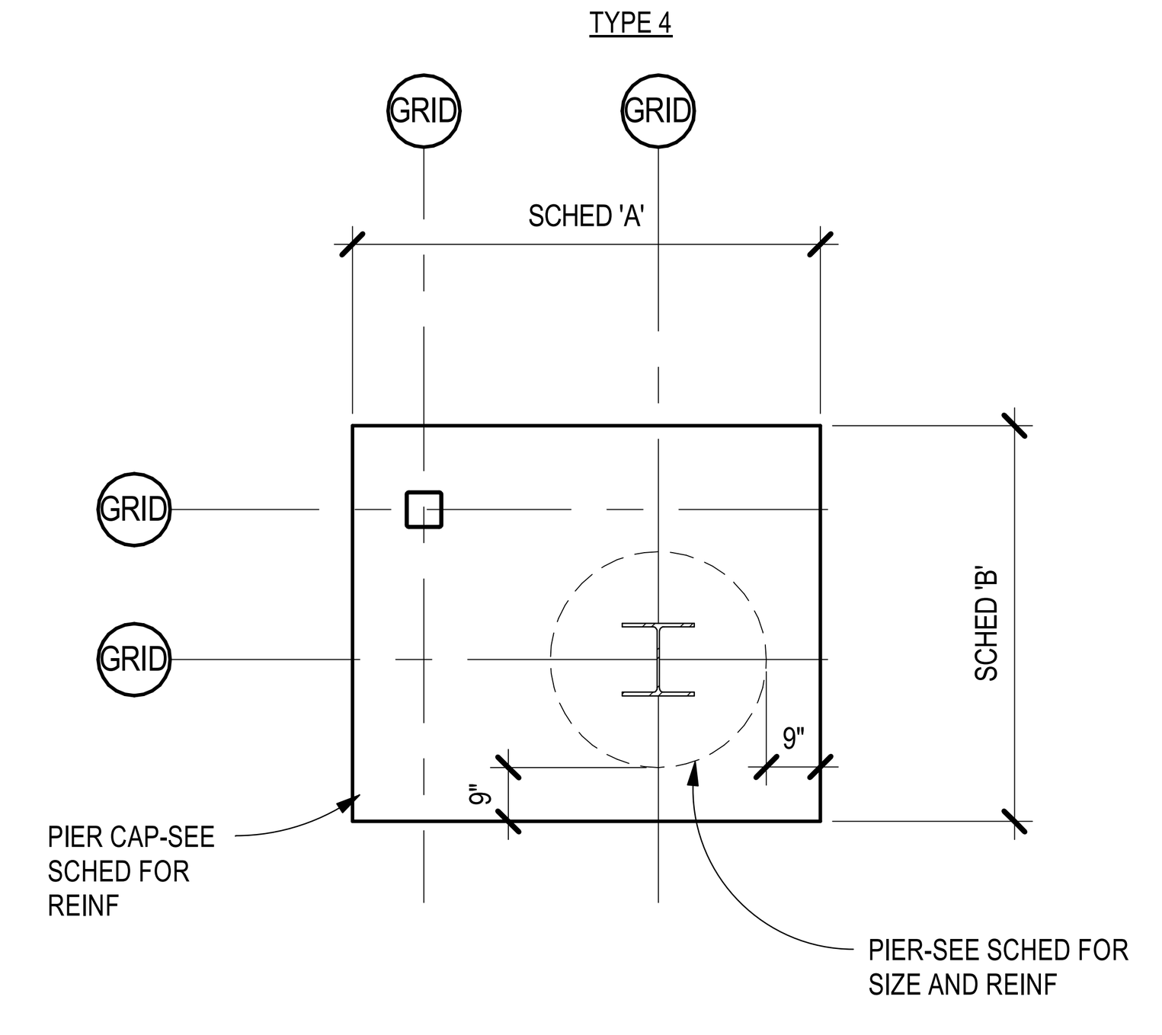
CONTINUOUS FOOTING SCHEDULE							
		SIZE		REINFORCING			
MARK	CONCRETE STRENGTH	WIDTH	DEPTH	CONTINUOUS	TRANSVERSE	GRADE	COMMENTS
CF42	3,000 PSI	3' - 6"	1' - 0"	4-#5 BOT	#5 @ 18"OC BOT	A615 GRADE 60	SEE D5/S-312
CF72	3,000 PSI	6' - 0"	1' - 6"	6-#6 BOT	#6 @ 18"OC BOT	A615 GRADE 60	SEE D5/S-312
CF80	3,000 PSI	6' - 8"	1' - 6"	7-#6 BOT	#6 @ 18"OC BOT	A615 GRADE 60	SEE D5/S-312



TYPE 5



TYPE 6



TYPE 7

A1 PIER CAP TYPE DETAILS

SCALE: NTS

REINFORCING LAP SCHEDULE								
REINFORCEMENT TYPE	#6 AND SMALLER (#db)			#7 AND LARGER (#db)			MINIMUM LENGTH (IN)	COMMENTS
	3000 PSI	4000 PSI	5000 PSI	3000 PSI	4000 PSI	5000 PSI		
CONTINUOUS WALL FOOTINGS AND STEMWALLS	30	30	30	30	30	30	18	
RETAINING WALLS AND BASEMENT WALL VERTICAL REINFORCING	57	50	45	72	62	56	12	
RETAINING WALLS AND BASEMENT WALL HORIZONTAL REINFORCING	57	50	45	72	62	56	12	
CONCRETE COLUMNS NOT SUPPORTING LATERAL FORCES	30	30	30	30	30	30	12	
CONCRETE COLUMNS SUPPORTING LATERAL FORCES	57	50	45	72	62	56	12	
TOP FLEXURAL REINFORCEMENT, INCLUDING BEAMS, GRADE BEAMS, AND COMBINED COLUMN FOOTING AT BRACED FRAME AND MOMENT FRAMES	57	50	45	72	62	56	12	
BOTTOM FLEXURAL REINFORCEMENT, INCLUDING BEAMS, GRADE BEAMS, AND COMBINED COLUMN FOOTING AT BRACED FRAME AND MOMENT FRAMES	57	50	45	55	62	56	12	
SLABS-ON-GRADE	30	30	30	30	30	30	12	
MINIMUM EMBEDMENT OF STANDARD HOOKS INTO CONCRETE BASE	16	14	12	16	14	14	6	INCREASE LENGTH FOR # 11 BARS AND LARGER BY A FACTOR OF 1.4
ALL REBAR LAPS IN CMU	72			72			12	

1/16"=1'-0" 0 8' 16' 32'
1/8"=1'-0" 0 4' 8' 16'
1/4"=1'-0" 0 2' 4' 8'
1/2"=1'-0" 0 1' 2' 4'
3/4"=1'-0" 0 1' 2'
1"=1'-0" 0 6" 1' 2'
1 1/2"=1'-0" 0 3" 6" 1'
3"=1'-0" 0 3" 6"

6/15/2018 7:29:29 AM

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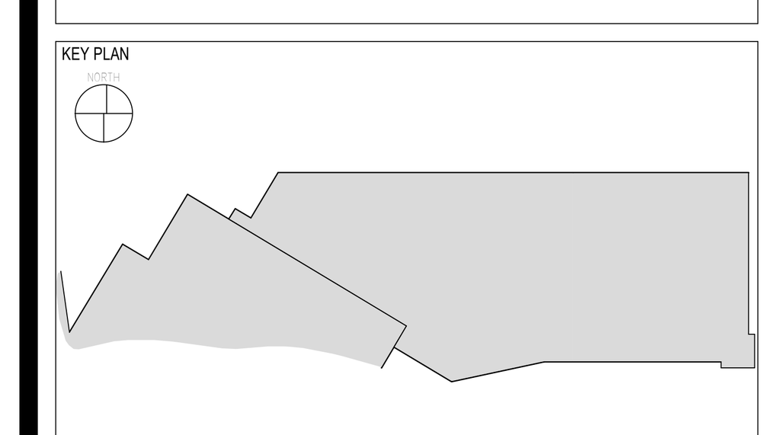
PROJECT
CHEROKEE HARD ROCK CASINO 4

PROJECT
CASINO 4

KEY PLAN



No.	Description	Date
2	ADDENDUM #2	05/04/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE
SCHEDULES

CONSTRUCTION SET

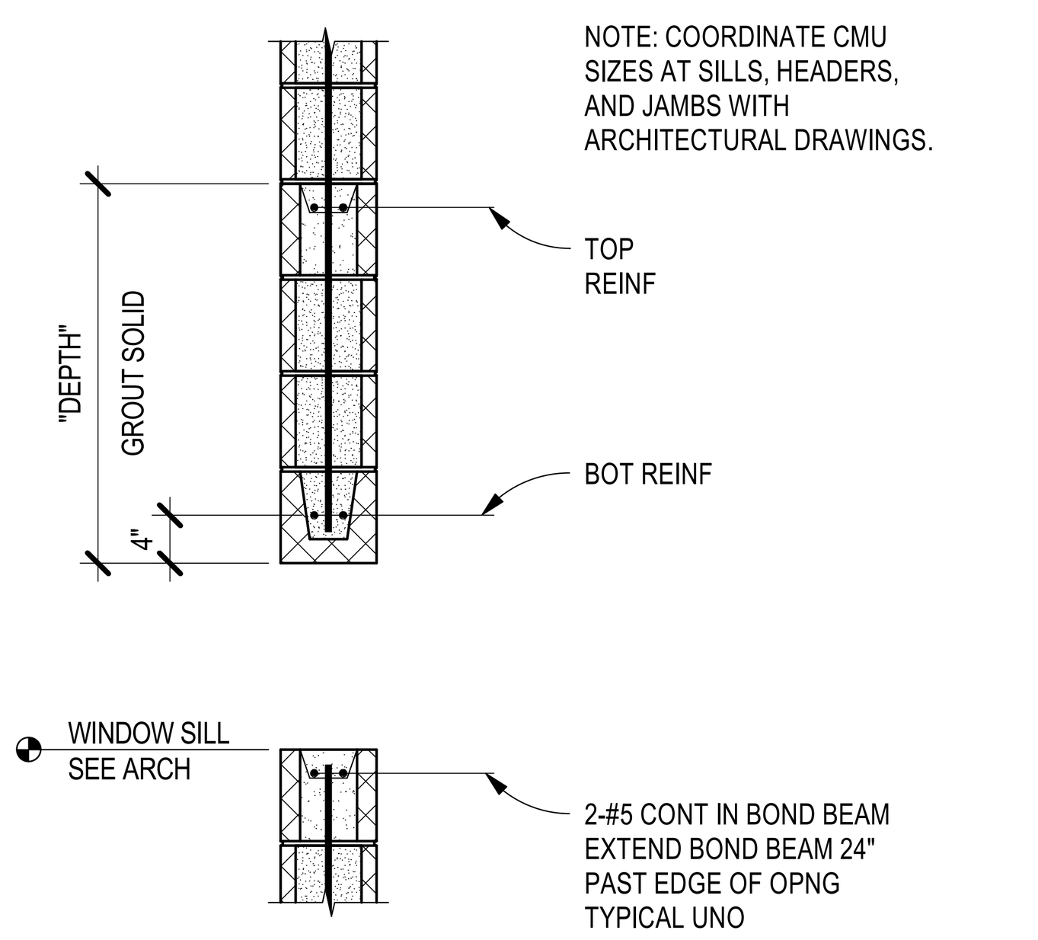
PROJECT NO: 201704
DRAWN BY: J ANDERSON
CHK'D BY: C ROMERO
ISSUE DATE: 5/4/2018

LICENSED PROFESSIONAL ENGINEER
CHRIS S.
ROMERO
23578
OKLAHOMA
[illegible]
6.23.18

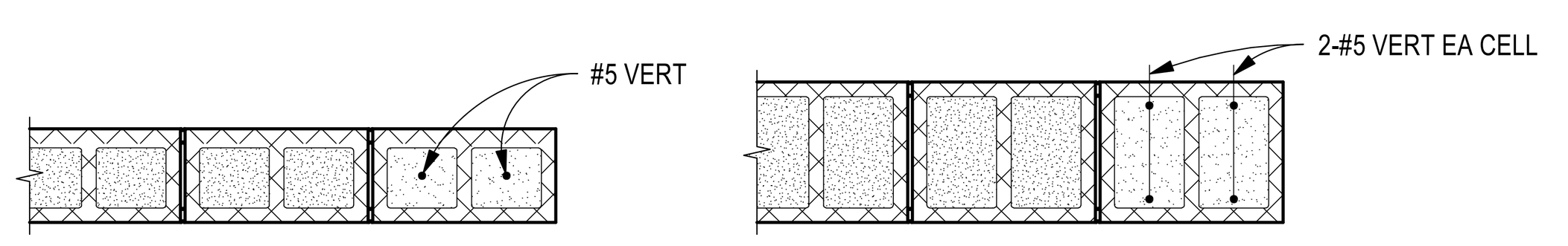
S-601

Scale As indicated

1 2 3 4 5 6

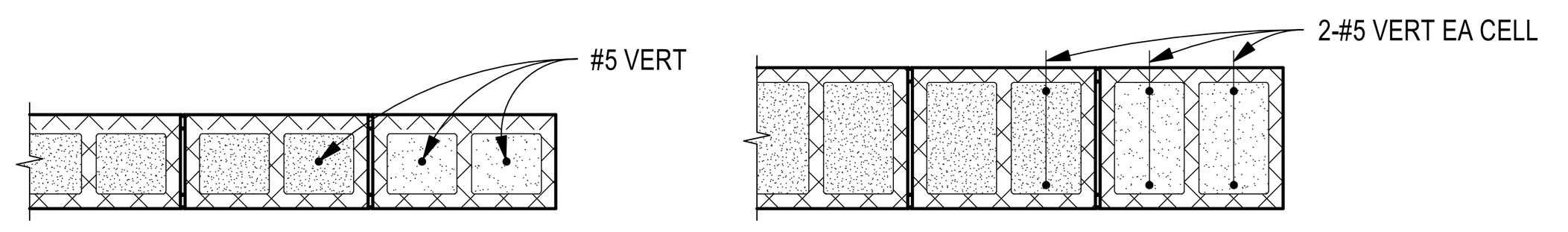


B3 TYPICAL CMU LINTEL SECTION
SCALE: 3/4" = 1'-0"



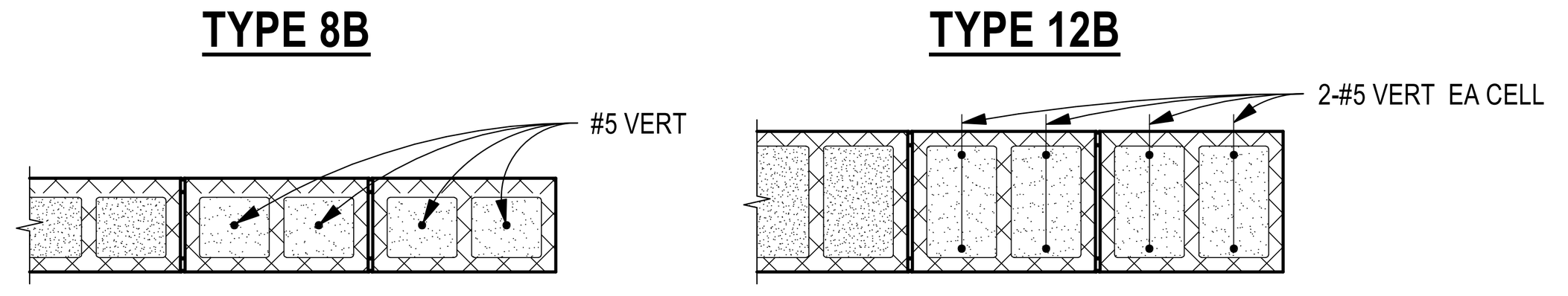
TYPE 8A

TYPE 12A



TYPE 8B

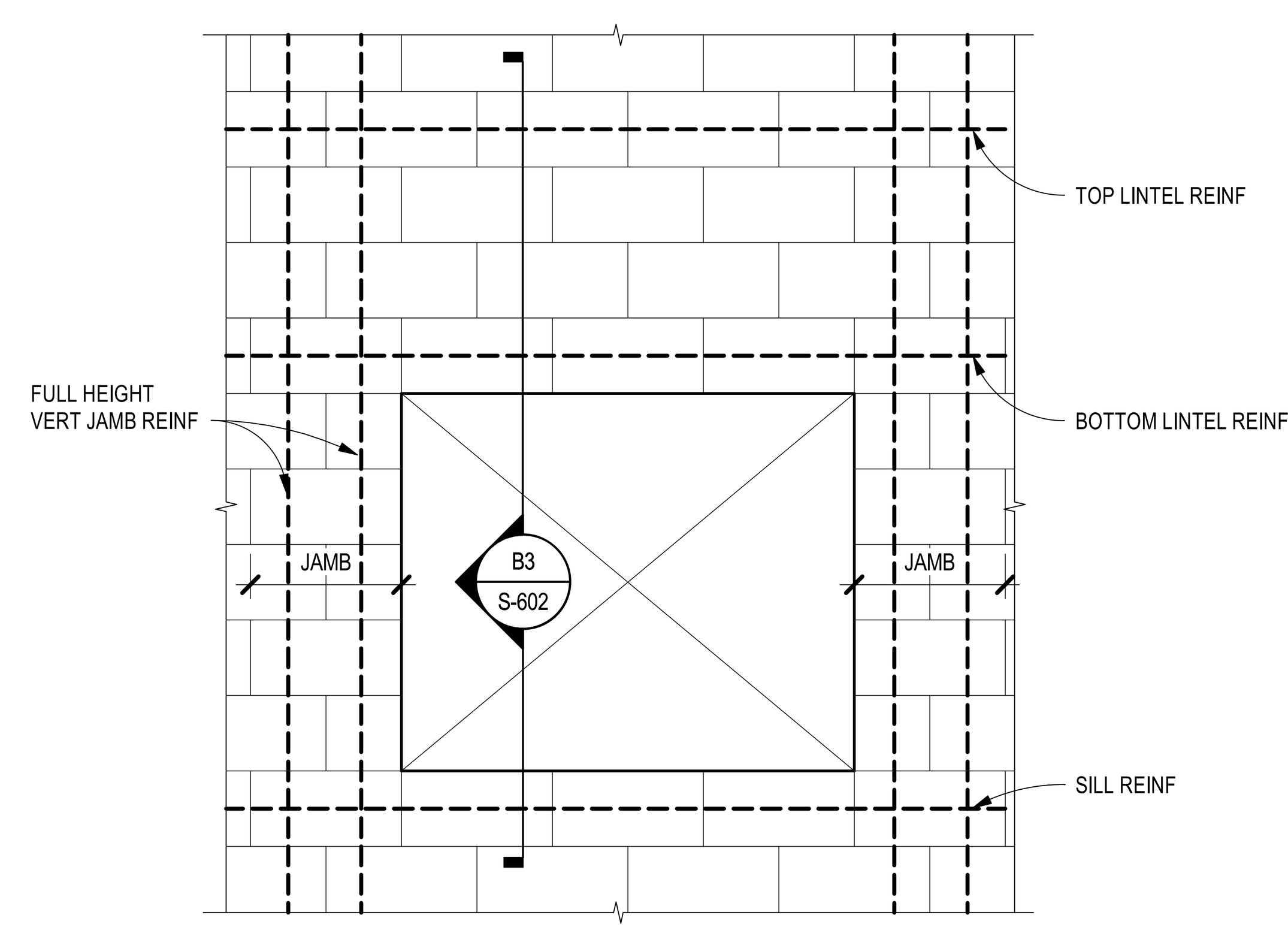
TYPE 12B



TYPE 8C

TYPE 12C

NOTE: SEE TYPICAL CMU PLAN DETAILS SHEET S-711 FOR TYPICAL HOIRZONTAL REINFORCING REQUIREMENTS.



CMU LINTEL SCHEDULE							
OPENING WIDTH	WIDTH	DEPTH	LINTEL REINFORCING		SILL		LINTEL JAMB TYPE
			TOP	BOTTOM	DEPTH	REINFORCING	
0' - 0" - 3' - 4"	8"	16"	2 - #5	2 - #5	8"	2 - #5	TYPE A
3' - 5" - 6' - 8"	8"	16"	2 - #5	2 - #5	8"	2 - #5	TYPE A
6' - 9" - 12' - 0"	8"	32"	2 - #5	2 - #5	8"	2 - #5	TYPE B
12' - 1" - 18' - 0"	8"	40"	2 - #5	2 - #5	8"	2 - #5	TYPE C

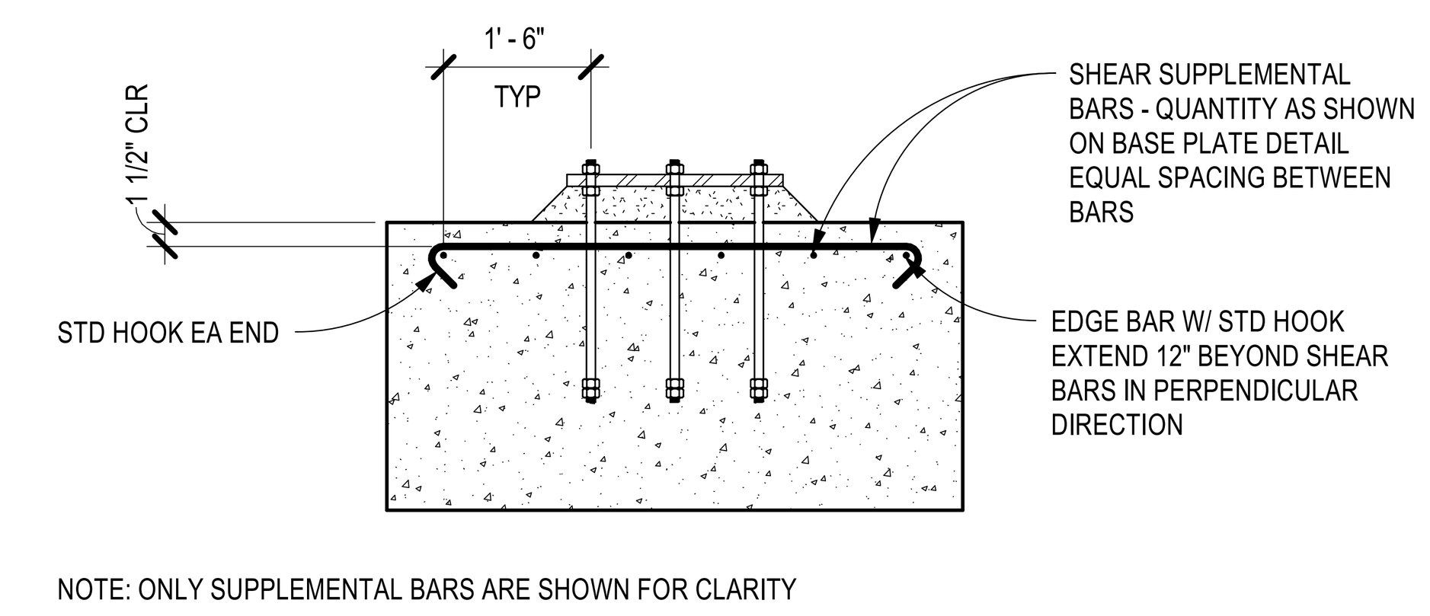
A1 CMU LINTEL SCHEDULE
SCALE: NTS

CONCRETE SITE RETAINING WALL SCHEDULE										
WALL TYPE	WALL HEIGHT ABOVE GRADE "HW"	HEIGHT RETAINED "HR"	FOOTING SIZE		FOOTING REINFORCING		WALL			
			WIDTH	THICKNESS	REINF #1	REINF #2	REINFORCING		REINF LOCATION	SPLICE LENGTH "LS"
	FT-IN	FT-IN	FT-IN	FT-IN	NUMBER - SIZE	SIZE - SPACING	VERT SIZE - SPACING	HORIZ SIZE - SPACING		
A	0' - 0" - 0' - 6"	0' - 0" - 4' - 0"	2'-6"	1'-0"	3 - #5 CONT	#4 @ 48" OC	#4 @ 18" OC	#4 @ 12" OC	4"	24"
B	0' - 0" - 3' - 6"	0' - 0" - 5' - 0"	3'-6"	1'-0"	3 - #5 CONT	#4 @ 48" OC	#4 @ 14" OC	#4 @ 12" OC	4"	24"
C	0' - 0" - 0 - 6"	4' - 1" - 7' - 0"	5'-0"	1'-0"	5 - #5 CONT T&B	#5 @ 24" OC T&B	#5 @ 10" OC	#4 @ 12" OC	4"	36"

NOTE:

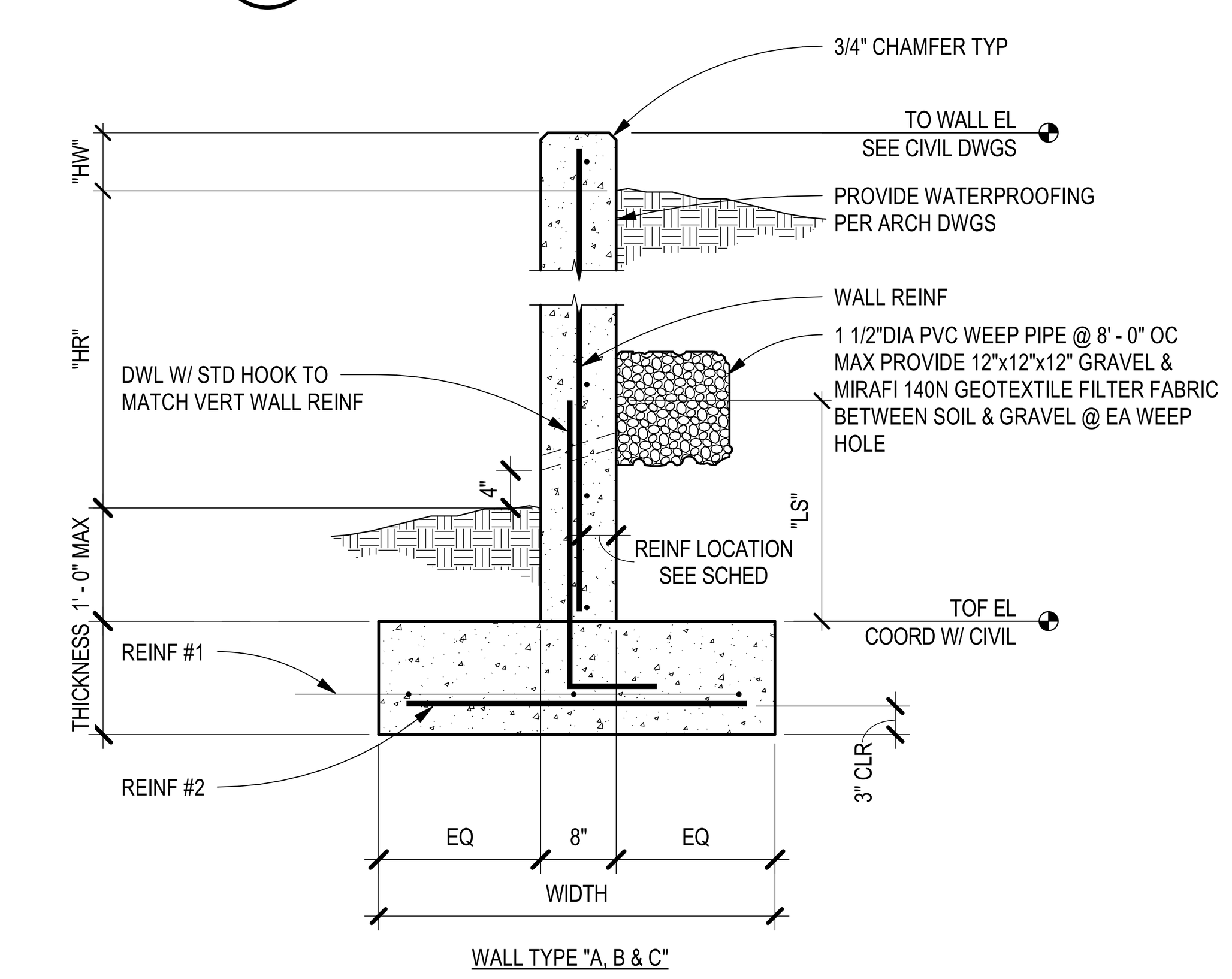
COORDINATE EXACT LOCATION AND EXTENT OF WALL WITH ARCHITECTURAL AND CIVIL DWGS.

PROVIDE CONCRETE WALL VERTICAL CONTROL JOINTS AT (2) TIMES THE WALL HEIGHT AND AT ALL STEPS IN TOP OF WALL. SEE DETAIL C2/S7.11 FOR CONTROL JOINT INFORMATION.



NOTE: ONLY SUPPLEMENTAL BARS ARE SHOWN FOR CLARITY

D5 SUPPLEMENTAL SHEAR BAR DETAIL
SCALE: 3/4" = 1'-0"

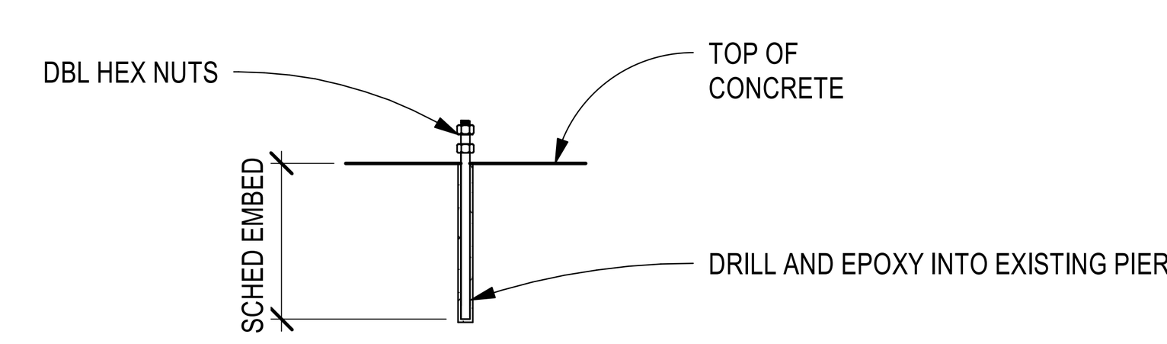


3/4" CHAMFER TYP
TO WALL EL SEE CIVIL DWGS
"HW"
PROVIDE WATERPROOFING PER ARCH DWGS
WALL REINF
"HR"
1 1/2"DIA PVC WEEP PIPE @ 8' - 0" OC MAX PROVIDE 12"x12"x12" GRAVEL & MIRAFI 140N GEOTEXTILE FILTER FABRIC BETWEEN SOIL & GRAVEL @ EA WEEP HOLE
DWL W/ STD HOOK TO MATCH VERT WALL REINF
4"
"LS"
1' - 0" MAX
REINF LOCATION SEE SCHED
TOF EL COORD W/ CIVIL
THICKNESS
REINF #1
REINF #2
3" CLR
EQ
8"
EQ
WIDTH

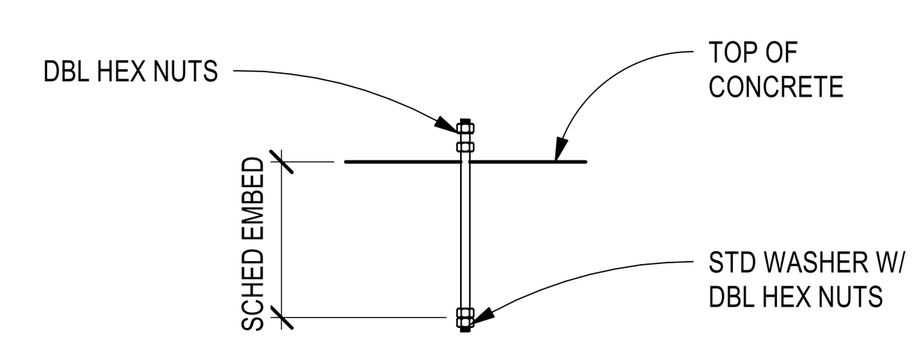
WALL TYPE "A, B & C"

C3 TYPICAL CONCRETE SITE RETAINING WALL SCHEDULE AND DETAIL
SCALE: NTS

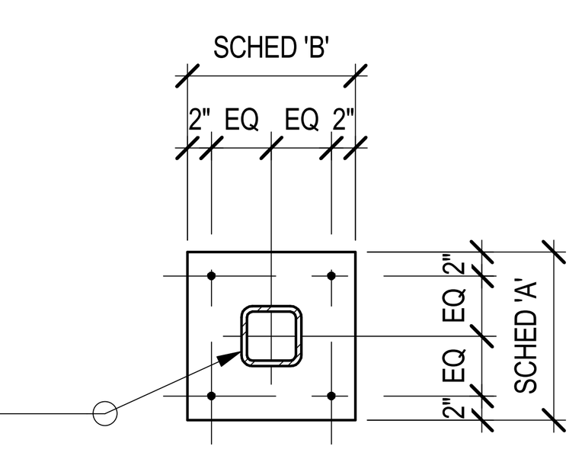
BASE PLATE SCHEDULE				
BASE PLATE			ANCHOR BOLTS	
MARK	TYPE	SIZE "T"x"A"x"B"	F1554 ANCHOR BOLTS	TYPE
BP1	A	PL 3/4"x16"x1' - 4"	4 - 3/4" DIA x 12"	1
BP2	B	PL 3/4"x18"x1' - 6"	4 - 3/4" DIA x 12"	1
BP3	A	PL 3/4"x18"x1' - 6"	4 - 3/4" DIA x 12"	1
BP4	A	PL 1"x18"x1' - 6"	4 - 3/4" DIA x 12"	1
BP5	B	PL 1"x18"x1' - 6"	4 - 3/4" DIA x 12"	1
BP6	A	PL 1 1/4"x18"x1' - 6"	4 - 3/4" DIA x 12"	1
BP7	A	PL 3/4"x20"x1' - 8"	4 - 3/4" DIA x 12"	1
BP8	A	PL 1"x22"x1' - 10"	4 - 3/4" DIA x 12"	1
BP9	B	PL 1"x22"x1' - 10"	4 - 3/4" DIA x 12"	1
BP10	G	PL 1"x24"x1' - 10"	4 - 1 1/4"DIA x 12"	1
BP11	G	PL 1 1/4"x24"x1' - 8"	4 - 1 1/4" DIA x 12"	1
BP12	D	PL 1"x18"x1' - 6"	4 - 1" DIA x 12"	1
BP13	D	PL 1"x14"x1' - 2"	4 - 1" DIA x 12"	1
BP14	C	PL 1 3/4"x24"x1' - 10"	6 - 1 1/2" DIA x 12"	1
BP15	G	PL 1"x18"x1' - 6"	4 - 1 1/4" DIA x 12"	1
BP16	G	PL 1 1/4"x20"x1' - 8"	4 - 1 3/4" DIA x 12"	1
BP17	D	PL 1 1/4"x18"x1' - 8"	4 - 1" DIA x 12"	1
BP18	E	PL 1"x18"x1' - 8"	4 - 1" DIA x 12"	1
BP19	H	PL 1"x18"x1' - 8"	4 - 1" DIA x 12"	1
BP20	F	PL 1 1/4"x18"x1' - 8"	8 - 1" DIA x 12"	1
BP21	A	PL 3/4"x18"x1' - 6"	4 - 3/4" DIA x 5"	2
BP22	B	PL 3/4"x26"x2' - 2"	4 - 3/4" DIA x 12"	1
BP23	J	PL 1 1/4"x20"x1' - 8"	8 - 1" DIA x 12"	1



ANCHOR BOLT TYPE 2



ANCHOR BOLT TYPE 1



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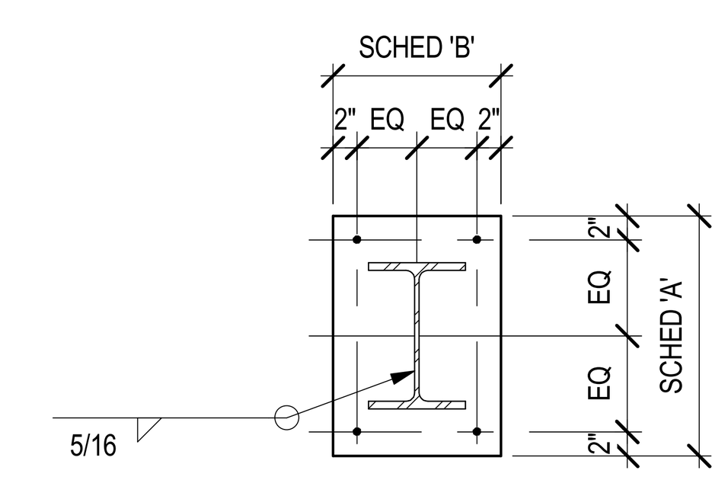
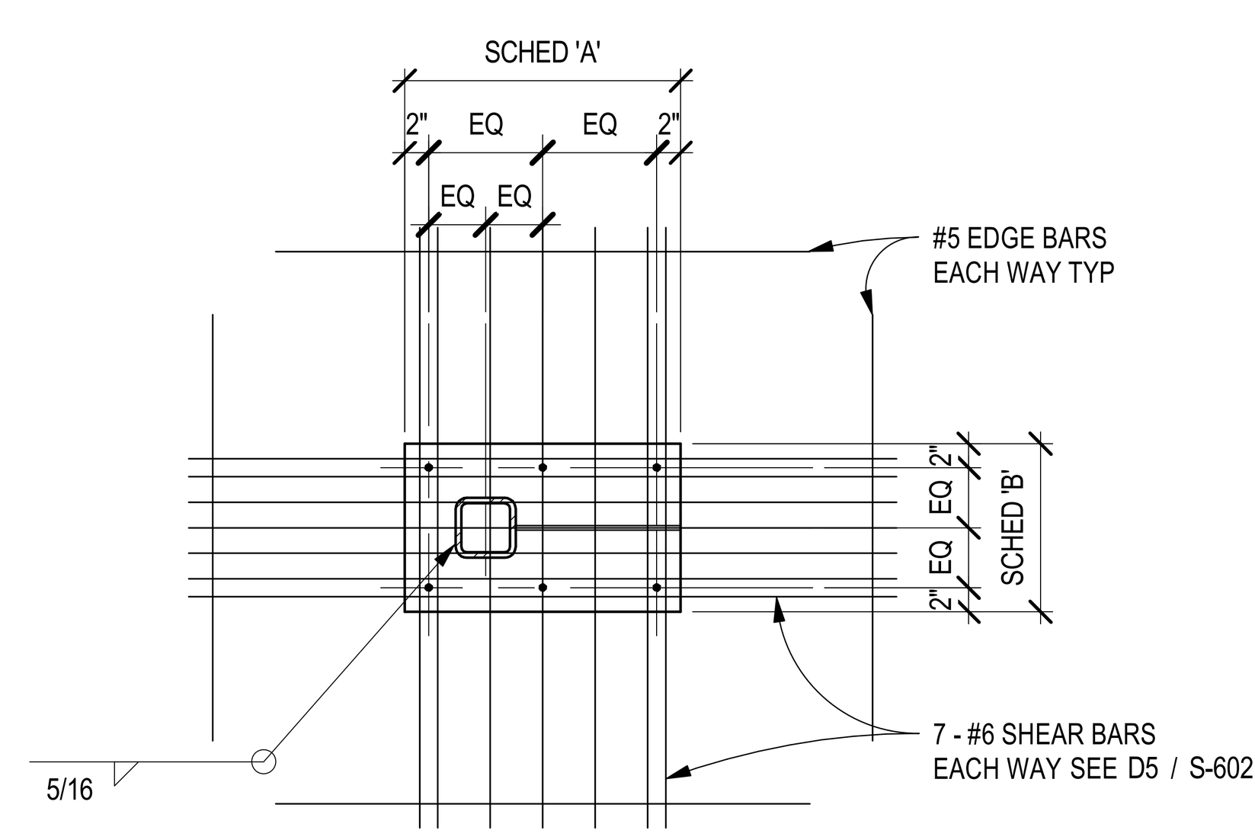
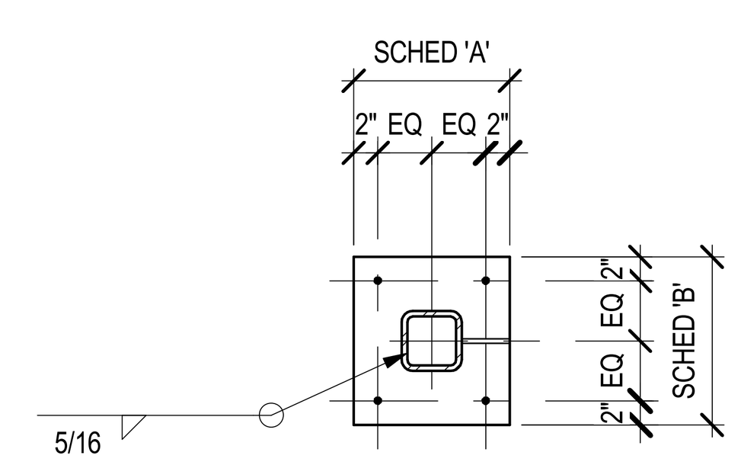


TYPE 'B'

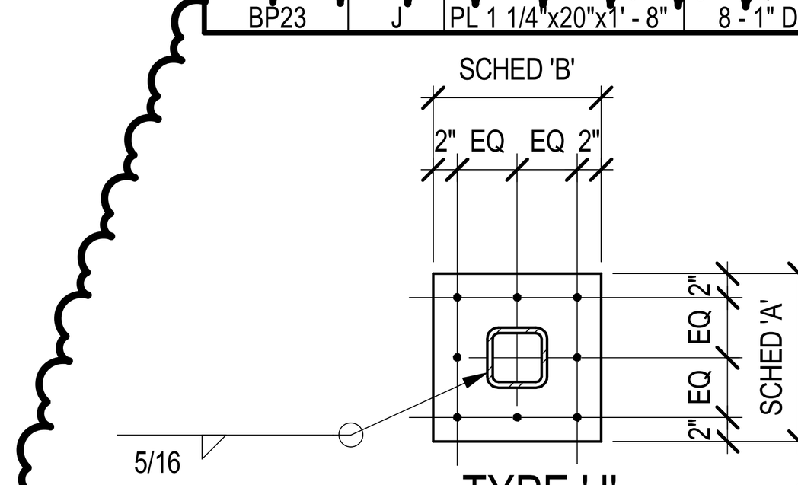


TYPE 'C'



TYPE 'D'

5



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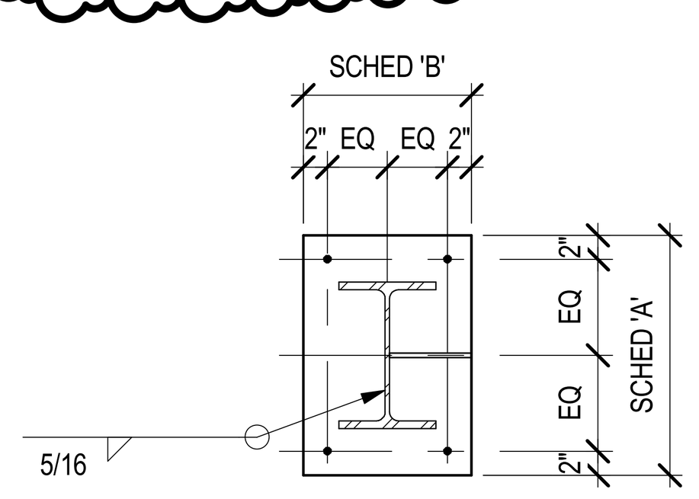

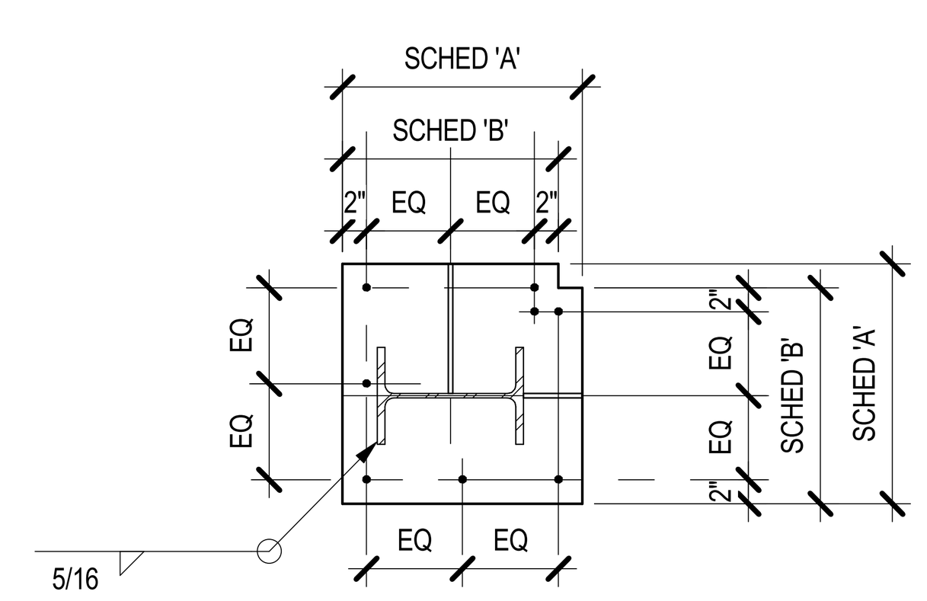

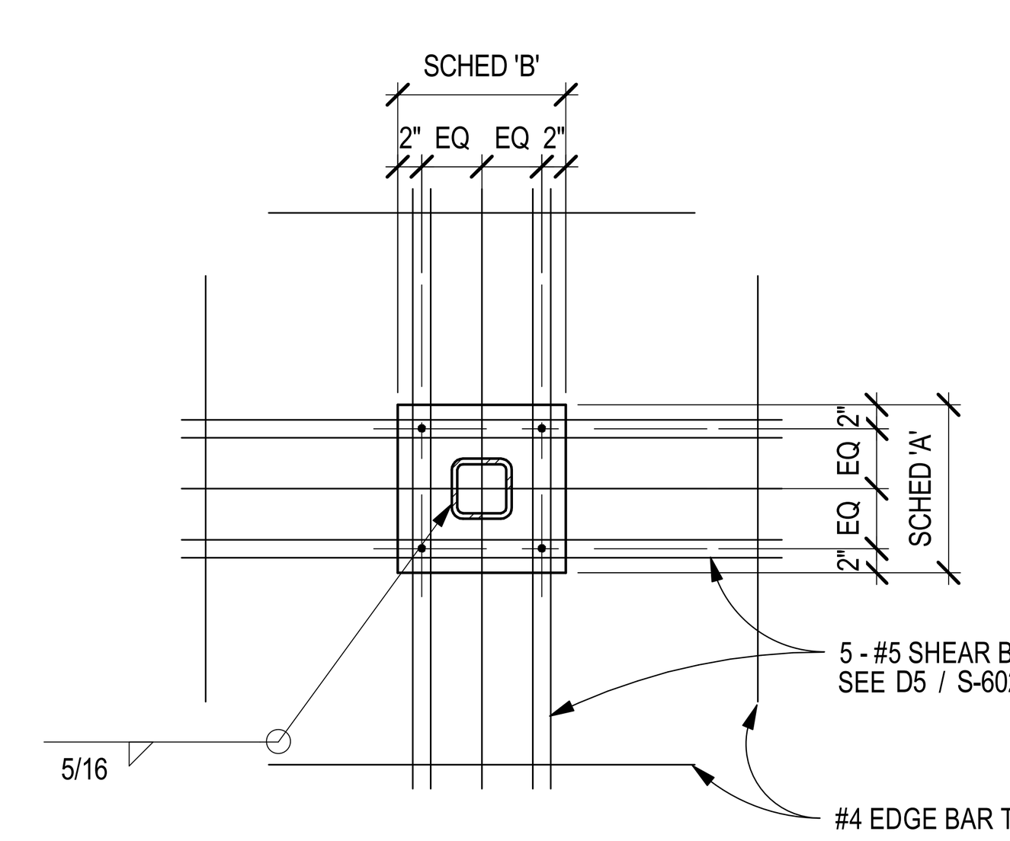

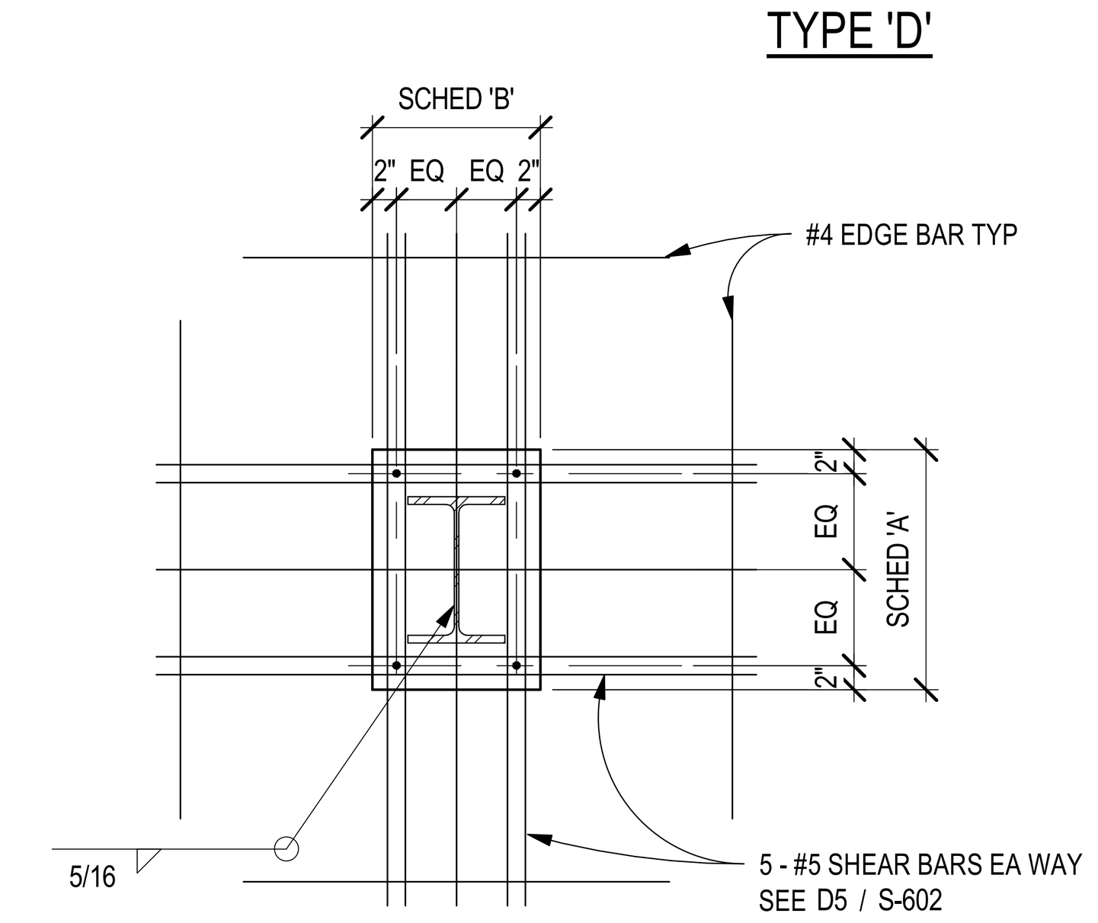

TYPE 'E'

TYPE 'F'

TYPE 'G'

TYPE 'H'

A4 BASE PLATE TYPES - SCHEDULE AND DETAILS
SCALE: NTS

6/15/2018 7:29:33 AM

1/16"=1'-0" 0 8' 16' 32' 1/8"=1'-0" 0 4' 8' 16' 1/4"=1'-0" 0 2' 4' 8' 1/2"=1'-0" 0 1' 2' 4' 3/4"=1'-0" 0 1' 2' 1"=1'-0" 0 6" 1' 2' 1 1/2"=1'-0" 0 3" 6" 1' 3"=1'-0" 0 3" 6"

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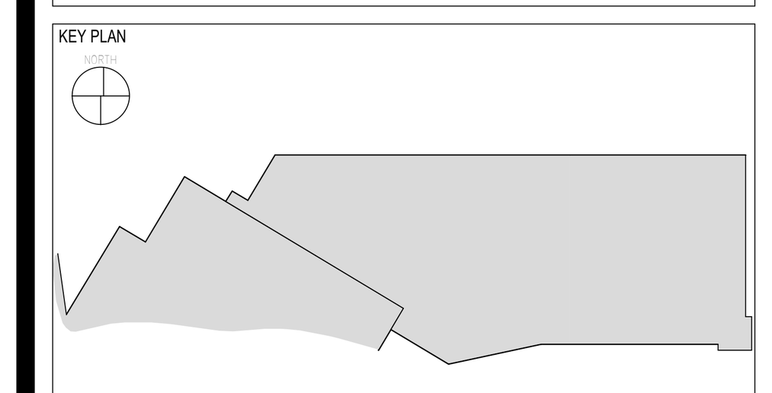
PROJECT
CHEROKEE HARD ROCK CASINO 4

PROJECT
CASINO 4

KEY PLAN



No.	Description	Date
2	ADDENDUM #2	05/04/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE
SCHEDULES

CONSTRUCTION SET

PROJECT NO: 201704
DRAWN BY: J ANDERSON
CHK'D BY: C ROMERO
ISSUE DATE: 5/4/2018

LICENSED PROFESSIONAL ENGINEER
CHRIS S. ROMERO
23578
OKLAHOMA
[illegible]
6.23.18

S-602
Scale As indicated

MECHANICAL SYMBOL LIST

NOTE: THIS IS A MASTER SCHEDULE. NOT ALL SYMBOLS CONTAINED HEREIN MAY APPEAR ON THE DRAWINGS.

- ITEM TO BE REMOVED
- POINT OF CONNECTION/DISCONNECTION
- SHEET NOTE
- REVISION NUMBER
- EQUIPMENT MARK (TAG / UNIT)
- DIFFUSER TAG (TAG / CFM)
- ACCESS PANEL
- SUPPLY AIR DUCT UP/DOWN
- RETURN AIR DUCT UP/DOWN
- EXHAUST AIR DUCT UP/DOWN
- RETURN GRILLE
- EXHAUST GRILLE
- 4-WAY BLOW SUPPLY DIFFUSER
- 3-WAY BLOW SUPPLY DIFFUSER
- 2-WAY BLOW SUPPLY DIFFUSER
- 1-WAY BLOW SUPPLY DIFFUSER
- AIRFLOW DIRECTION
- --" ROUND DUCTWORK (INCHES)
- --"X--" RECTANGULAR DUCTWORK (INCHES)
- ROUND FLEXIBLE DUCT
- SQUARE TO ROUND TRANSITION
- SINGLE LINE RIGID DUCT
- SINGLE LINE RIGID DUCT (ACOUSTICALLY LINED)
- DOUBLE LINE RIGID DUCT
- DOUBLE LINE RIGID DUCT (ACOUSTICALLY LINED)
- EXISTING DUCTWORK
- FD FIRE DAMPER
- SD SMOKE DAMPER
- FSD FIRE/SMOKE DAMPER
- MOTORIZED DAMPER (OPPOSED BLADE TYPE)
- MOTORIZED DAMPER (PARALLEL BLADE TYPE)
- BACKDRAFT DAMPER
- MANUAL VOLUME DAMPER
- RVD REMOTE VOLUME DAMPER
- SD SMOKE DETECTOR
- T THERMOSTAT
- H HUMIDISTAT
- S SENSOR
- D CARBON DIOXIDE SENSOR
- C CARBON MONOXIDE SENSOR
- U DOOR UNDERCUT
- FS FLOW SWITCH

- CHR CHILLED WATER RETURN PIPING
- CHS CHILLED WATER SUPPLY PIPING
- CR CONDENSER WATER RETURN PIPING
- CS CONDENSER WATER SUPPLY PIPING
- HWR HEATING WATER RETURN PIPING
- HWS HEATING WATER SUPPLY PIPING
- RL REFRIGERANT LIQUID PIPING
- RS REFRIGERANT SUCTION PIPING
- CD CONDENSATE DRAIN PIPING
- PC PUMPED CONDENSATE DRAIN PIPING
- CIRCUIT SETTER
- 2-WAY ELECTRONIC CONTROL VALVE
- 3-WAY ELECTRONIC CONTROL VALVE
- 2-WAY PNEUMATIC CONTROL VALVE
- 3-WAY PNEUMATIC CONTROL VALVE
- SOLENOID VALVE
- BUTTERFLY VALVE
- PLUG VALVE
- BALL VALVE
- CHECK VALVE
- GATE VALVE
- HOSE END DRAIN VALVE
- PRESSURE REDUCING VALVE
- RELIEF VALVE
- TEMPERATURE PRESSURE RELIEF VALVE
- THERMOMETER
- PRESSURE GAUGE WITH GAUGE COCK
- MANUAL AIR VENT
- PRESSURE TEMPERATURE PORT
- Y-STRAINER WITH BLOWDOWN
- PIPE GUIDE
- UNION
- PIPE ANCHOR
- FLEXIBLE CONNECTOR
- PIPE CAP/STUB-OUT
- DIRECTION OF FLOW
- PIPE DOWN
- PIPE UP
- PIPE TEE UP
- PIPE TEE DOWN

MECHANICAL ABBREVIATIONS

NOTE: THIS IS A MASTER SCHEDULE. NOT ALL ABBREVIATIONS CONTAINED HEREIN MAY APPEAR ON THE DRAWINGS.

AABC	AMERICAN AIR BALANCE COUNCIL
ACD	AUTOMATIC CONTROL DAMPER
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
AV	ACID VENT
AW	ACID WASTE
BFD	BACKFLOW PREVENTION DEVICE
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNIT PER HOUR
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CHAR	CHARACTERISTICS
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CO	CLEANOUT
CR	CONDENSER WATER RETURN
CS	CONDENSER WATER SUPPLY
CW	COLD WATER
D	DRAIN
DB	DRY BULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROL
DIA	DIAMETER
DN	DOWN
DX	DIRECT EXPANSION
(E)	EXISTING TO REMAIN
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EER	ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
ELEC	ELECTRICAL
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
°F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FIRE DAMPER
FPM	FEET PER MINUTE
FSD	FIRE / SMOKE DAMPER
G	GAS
GA	GAGE OR GAUGE
GAL	GALLONS
GCO	GRADE CLEANOUT
GI	GREASE INTERCEPTOR
GPF	GALLONS PER FLUSH
GPM	GALLONS PER MINUTE
GR	GLYCOL RETURN
GS	GLYCOL SUPPLY
GW	GREASE WASTE
HD	HEAD
HP	HORSEPOWER
HPG	HIGH PRESSURE GAS
HR	HOUR
HSPF	HEATING SEASONAL PERFORMANCE FACTOR
HW	HOT WATER
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
IBC	INTERNATIONAL BUILDING CODE
IE	INVERT ELEVATION
IMC	INTERNATIONAL MECHANICAL CODE
IPC	INTERNATIONAL PLUMBING CODE
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	ONE THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPS
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPG	MEDIUM PRESSURE GAS
MVD	MANUAL VOLUME DAMPER
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEBB	NATIONAL ENVIRONMENTAL BALANCING BUREAU
NEC	NATIONAL ELECTRIC CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE
OBD	OPPOSED BLADE DAMPER
OED	OPEN END DUCT
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSID	POUNDS PER SQUARE INCH DIFFERENTIAL
PSIG	POUNDS PER SQUARE INCH GAUGE
(R)	EXISTING TO BE RELOCATED
RA	RETURN AIR
RH	RELATIVE HUMIDITY
RLS	REFRIGERANT LIQUID/SUCTION
RPM	REVOLUTIONS PER MINUTE
RPPA	REDUCED PRESSURE PRINCIPAL ASSEMBLY
RVD	REMOTE VOLUME DAMPER
SA	SUPPLY AIR
SD	SMOKE DAMPER
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SOI	SAND OIL INTERCEPTOR
*SP	STATIC PRESSURE (INCHES OF W.C.)
SPECS	SPECIFICATIONS
SQ	SQUARE
SQFT	SQUARE FEET
SS	STAINLESS STEEL
T	TEMPERATURE
TAB	TEST AND BALANCE REPORT
TSP	TOTAL STATIC PRESSURE
TW	TEMPERED WATER
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UMC	UNIFORM MECHANICAL CODE
UON	UNLESS OTHERWISE NOTED
UPC	UNIFORM PLUMBING CODE
V	VENT
V/PH/HZ	VOLTAGE/PHASE/HERTZ
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THROUGH ROOF
WB	WET BULB TEMPERATURE
WCO	WALL CLEANOUT
WG	WATER GUAGE
WMS	WIRE MESH SCREEN
(X)	EXISTING TO BE REMOVED

MECHANICAL - DRAWING INDEX

SHEET NUMBER	SHEET NAME	04/16/2018 - BID SET - NOT FOR CONSTRUCTION	05/4/2018 - ADDENDUM #2	05/17/2018 - ADDENDUM #4	06/14/18 - Bulletin #2	MM.DD.YYYY
M-000	MECHANICAL ABBREVIATIONS AND SYMBOLS LIST	X	X	X	X	
M-001	MECHANICAL SPECIFICATIONS	X	X			
M-002	MECHANICAL SCHEDULES	X	X			
M-003	MECHANICAL SCHEDULES	X	X			
M-004	MECHANICAL DIAGRAMS	X	X	X		
M-005	COMPLIANCE CERTIFICATE	X	X			
M-006	MECHANICAL CONTROLS	X	X			
M-007	MECHANICAL CONTROLS	X	X			
M-008	MECHANICAL CONTROLS	X	X			
M-110	MECHANICAL FIRST FLOOR PLAN OVERALL	X	X			
M-111	MECHANICAL FIRST FLOOR AREA 1	X	X			
M-112	MECHANICAL FIRST FLOOR AREA 2	X	X	X		
M-120	MECHANICAL SECOND FLOOR PLAN OVERALL	X	X			
M-121	MECHANICAL SECOND FLOOR AREA 1	X	X			
M-122	MECHANICAL SECOND FLOOR AREA 2	X	X	X		
M-160	MECHANICAL ROOF PLAN OVERALL	X	X			
M-161	MECHANICAL ROOF AREA 1	X	X			
M-162	MECHANICAL ROOF AREA 2	X	X	X		
M-210	MECHANICAL PIPING FIRST FLOOR PLAN OVERALL	X	X			
M-211	MECHANICAL PIPING FIRST FLOOR AREA 1	X	X		X	
M-212	MECHANICAL PIPING FIRST FLOOR AREA 2	X	X		X	
M-220	MECHANICAL PIPING SECOND FLOOR PLAN OVERALL	X	X			
M-221	MECHANICAL PIPING SECOND FLOOR AREA 1	X	X		X	
M-222	MECHANICAL PIPING SECOND FLOOR AREA 2	X	X		X	
M-260	MECHANICAL PIPING ROOF PLAN OVERALL	X	X			
M-261	MECHANICAL PIPING ROOF AREA 1	X	X			
M-262	MECHANICAL PIPING ROOF AREA 2	X	X			

TOTAL: 27

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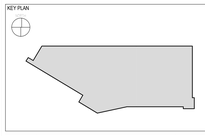
PROJECT: CHEROKEE HARD ROCK CASINO 4

PROJECT: CASINO 4

KEY PLAN



No.	Description	Date
2	ADDENDUM #2	05/04/2018
4	ADDENDUM #4	05/17/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE: MECHANICAL ABBREVIATIONS AND SYMBOLS LIST

CONSTRUCTION SET

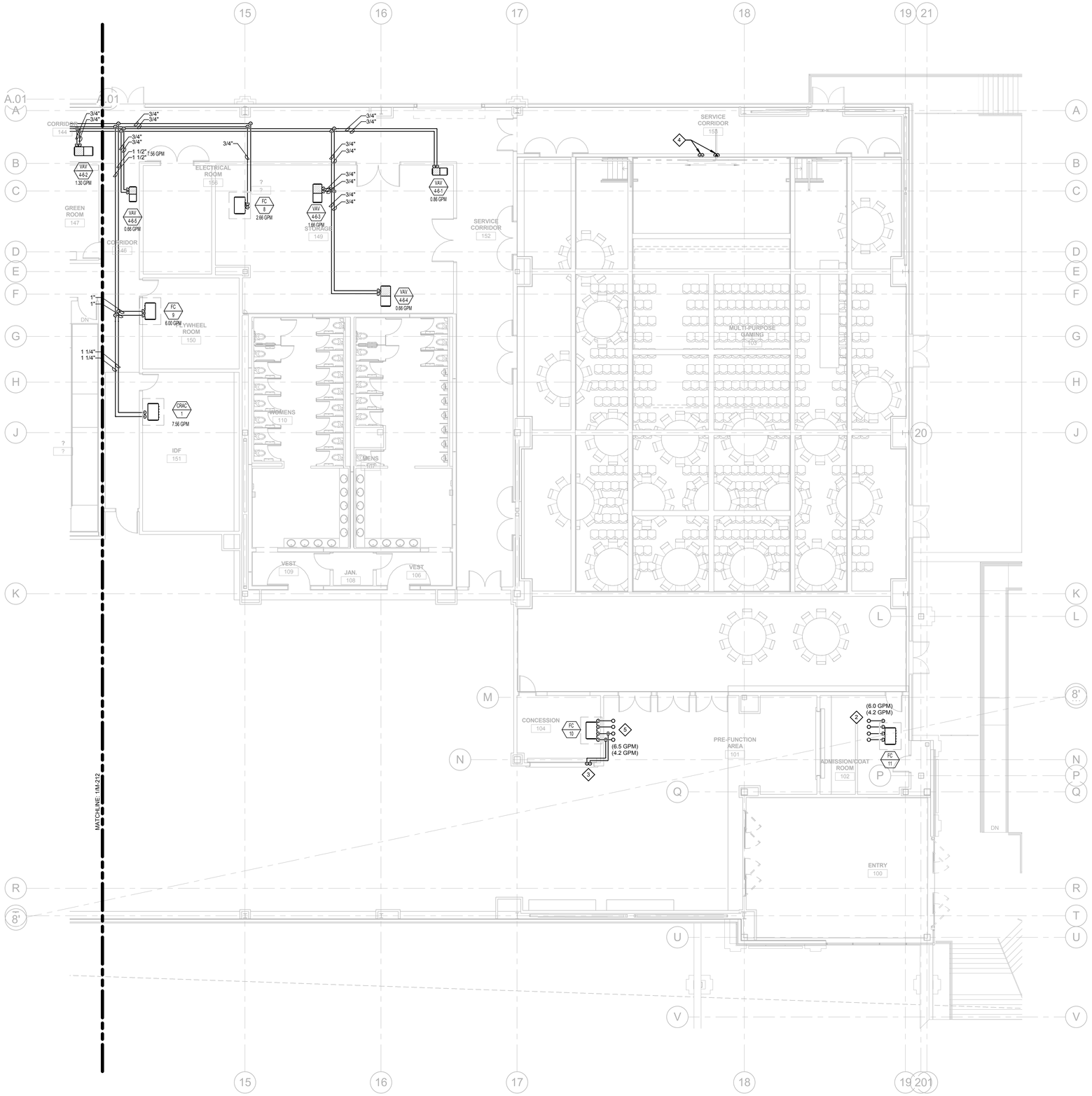
PROJECT NO:	L17325
DRAWN BY:	MSA
CHKD BY:	PE
ISSUE DATE:	5/4/ 2018

M-000

Scale 12" = 1'-0"

6/14/2018 1:26:00 PM

1/16"=1'-0" 0 8' 16' 32'
1/8"=1'-0" 0 4' 8' 16'
1/4"=1'-0" 0 2' 4' 8'
1/2"=1'-0" 0 1' 2' 4'
3/4"=1'-0" 0 1' 2'
1"=1'-0" 0 6" 1' 2'
1 1/2"=1'-0" 0 3" 6" 1'
3"=1'-0" 0 3" 6"



1 LEVEL 1 - MECHANICAL PIPING PLAN AREA 1

M-211 — 1/8" = 1'-0"

NORTH

GENERAL NOTES:

1. ACCESS DOORS ARE REQUIRED FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILINGS. COORDINATE EXACT LOCATION OF ALL ACCESS DOORS WITH ARCHITECT PRIOR TO INSTALLATION.
2. VERIFY EXACT LOCATION OF ALL THERMOSTATS WITH ARCHITECT PRIOR TO INSTALLATION. MOUNT ALL THERMOSTATS @48" A.F.F. IN ACCORDANCE WITH ADA STANDARDS. PROVIDE LOCKING COVERS FOR T-STATS.
3. VERIFY AND COORDINATE FRAME AND BORDER TYPE REQUIREMENTS FOR AIR DEVICES WITH ARCHITECTURAL CEILING PLANS PRIOR TO ORDERING.
4. DUCT SIZES SHOW ARE THE CLEAR INSIDE DIMENSIONS.
5. THE MECHANICAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT AND ROOF PENETRATIONS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
6. THE MECHANICAL CONTRACTOR SHALL COORDINATE LOCATION AND ROUTING OF HVAC EQUIPMENT AND DUCTWORK WITH OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL EXHAUST OUTLETS SHALL BE LOCATED MIN. OF 10'-0" FROM ANY OUTSIDE AIR INTAKES
8. THE CUTTING, NOTCHING, AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMODATE HIS WORK.
10. REFER TO THE MECHANICAL DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

◇ SHEET NOTES:

1. 3/4" HWS/HWR. CONNECT TO VAV BOX AS INDICATED.
2. 1" CHS / CHR, 1" HWS / HWR UP TO LEVEL 2.
3. 3/4" CHS / CHR DN IN WALL TO ICE MAKER (ITEM #P50/51). REFER TO FOOD SERVICE PLANS FOR EXACT LOCATION.
4. 3/4" CHS / CHR FROM LEVEL ABOVE DN IN WALL TO ICE MAKER (ITEM #P48/49). REFER TO FOOD SERVICE PLANS FOR EXACT LOCATION.
5. 1 1/4" CHS / CHR, 1" HWS / HWR UP TO LEVEL 2.

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PROJECT: CHEROKEE HARD ROCK CASINO 4

PROJECT: CASINO 4

KEY PLAN

No.	Description	Date
2	ADDENDUM #2	05/04/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE: MECHANICAL PIPING FIRST FLOOR AREA 1

CONSTRUCTION SET

PROJECT NO.	L17325
DRAWN BY:	MSA
CHK'D BY:	PE
ISSUE DATE:	5/4/ 2018

M-211

Scale 1/8" = 1'-0"

ENTIRE SHEET CHANGES

6/14/2018 11:39:18 AM

GENERAL NOTES:

1. ACCESS DOORS ARE REQUIRED FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILINGS. COORDINATE EXACT LOCATION OF ALL ACCESS DOORS WITH ARCHITECT PRIOR TO INSTALLATION.
2. VERIFY EXACT LOCATION OF ALL THERMOSTATS WITH ARCHITECT PRIOR TO INSTALLATION. MOUNT ALL THERMOSTATS @48" A.F.F. IN ACCORDANCE WITH ADA STANDARDS. PROVIDE LOCKING COVERS FOR T-STATS.
3. VERIFY AND COORDINATE FRAME AND BORDER TYPE REQUIREMENTS FOR AIR DEVICES WITH ARCHITECTURAL CEILING PLANS PRIOR TO ORDERING.
4. DUCT SIZES SHOW ARE THE CLEAR INSIDE DIMENSIONS.
5. THE MECHANICAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT AND ROOF PENETRATIONS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
6. THE MECHANICAL CONTRACTOR SHALL COORDINATE LOCATION AND ROUTING OF HVAC EQUIPMENT AND DUCTWORK WITH OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL EXHAUST OUTLETS SHALL BE LOCATED MIN. OF 10'-0" FROM ANY OUTSIDE AIR INTAKES
8. THE CUTTING, NOTCHING, AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMODATE HIS WORK.
10. REFER TO THE MECHANICAL DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

◇ SHEET NOTES:

1. 1 1/2" CHS / CHR, 1 1/4" HWS / HWR UP TO LEVEL 2.
2. 2 1/2" CHS / CHR, 1 1/2" HWS / HWR UP TO LEVEL 2.
3. 3/4" CHS / CHR DN IN WALL TO ICE MAKER (ITEM #P48/49). REFER TO FOOD SERVICE PLANS FOR EXACT LOCATION.
4. 3/4" CHS / CHR DN IN WALL TO ICE MAKER (ITEM #P46/47). REFER TO FOOD SERVICE PLANS FOR EXACT LOCATION.
5. 1 1/2" CHS / CHR DN IN WALL TO WALK-IN KEG COOLER COMPRESSOR (ITEM #P56/57). REFER TO FOOD SERVICE PLANS FOR EXACT LOCATION..
6. 3/4" CHS / CHR DN IN WALL TO BEER SYSTEM (ITEM #P44/45). REFER TO FOOD SERVICE PLANS FOR EXACT LOCATION.
7. 3/4" CHS / CHR DN IN WALL TO ICE MAKER (ITEM #P42/43). REFER TO FOOD SERVICE PLANS FOR EXACT LOCATION.

2 LEVEL 1 - MECHANICAL PIPING PLAN AREA 2

2 / M-212 — 1/8" = 1'-0"

NORTH

ENTIRE SHEET CHANGES

MATCHLINE 1/M-211

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PROJECT: CHEROKEE HARD ROCK CASINO 4

PROJECT: CASINO 4

KEY PLAN

No.	Description	Date
2	ADDENDUM #2	05/04/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE: MECHANICAL PIPING FIRST FLOOR AREA 2

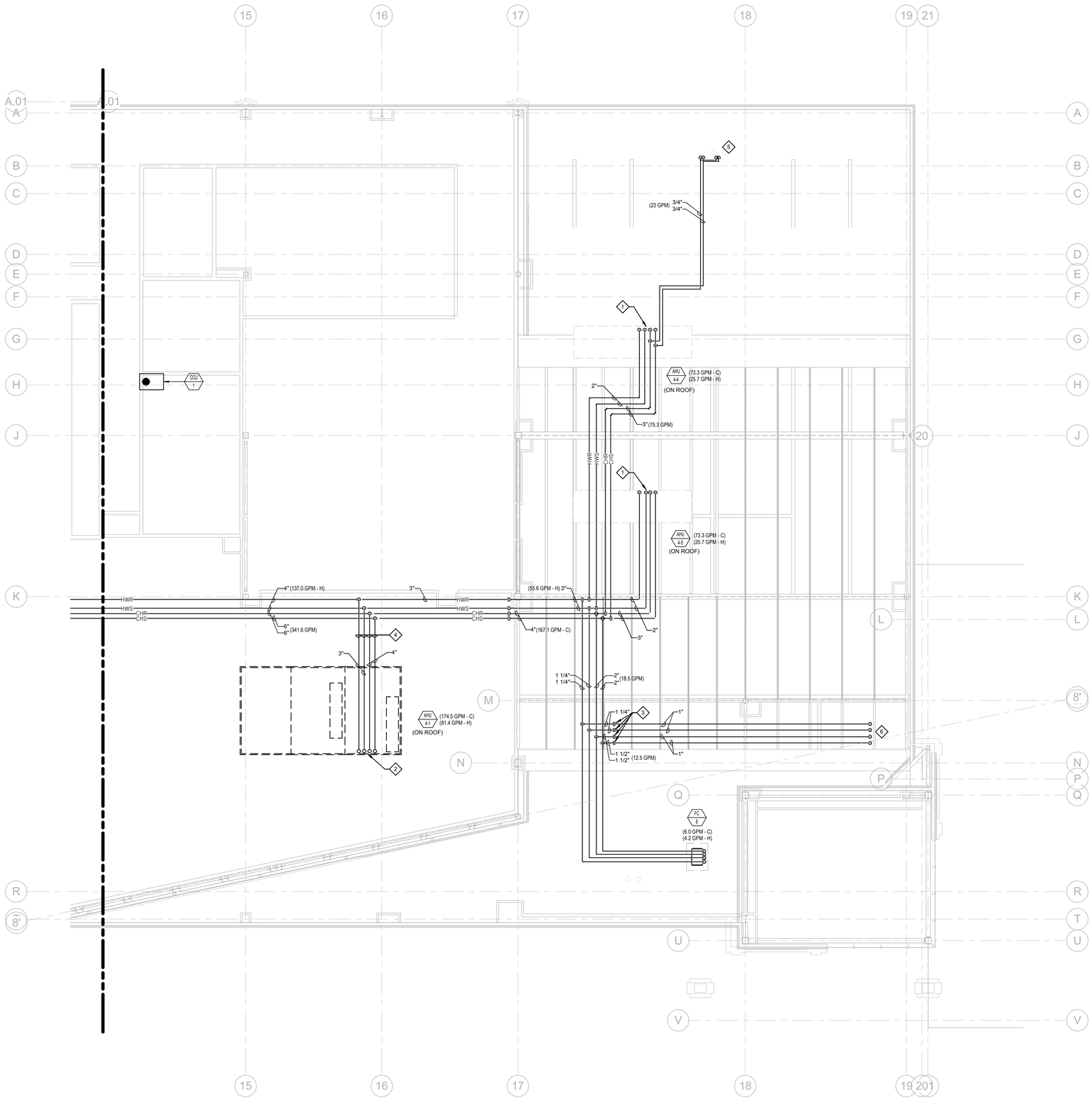
CONSTRUCTION SET

PROJECT NO: L17325
DRAWN BY: MSA
CHKD BY: PE
ISSUE DATE: 5/4/ 2018

M-212

Scale 1/8" = 1'-0"

6/14/2018 11:40:43 AM



1 M-221 **LEVEL 2 - MECHANICAL PIPING PLAN AREA 1**

1/8" = 1'-0"

NORTH

GENERAL NOTES:

1. ACCESS DOORS ARE REQUIRED FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILINGS. COORDINATE EXACT LOCATION OF ALL ACCESS DOORS WITH ARCHITECT PRIOR TO INSTALLATION.
2. VERIFY EXACT LOCATION OF ALL THERMOSTATS WITH ARCHITECT PRIOR TO INSTALLATION. MOUNT ALL THERMOSTATS @48" A.F.F. IN ACCORDANCE WITH ADA STANDARDS. PROVIDE LOCKING COVERS FOR T-STATS.
3. VERIFY AND COORDINATE FRAME AND BORDER TYPE REQUIREMENTS FOR AIR DEVICES WITH ARCHITECTURAL CEILING PLANS PRIOR TO ORDERING.
4. DUCT SIZES SHOW ARE THE CLEAR INSIDE DIMENSIONS.
5. THE MECHANICAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT AND ROOF PENETRATIONS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
6. THE MECHANICAL CONTRACTOR SHALL COORDINATE LOCATION AND ROUTING OF HVAC EQUIPMENT AND DUCTWORK WITH OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL EXHAUST OUTLETS SHALL BE LOCATED MIN. OF 10'-0" FROM ANY OUTSIDE AIR INTAKES
8. THE CUTTING, NOTCHING, AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMODATE HIS WORK.
10. REFER TO THE MECHANICAL DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

SHEET NOTES:

1. 3" CHS/CHR, 2" HWS/HWR UP TO AHU-4-4 AND AHU-4-5.
2. 4" CHS/CHR, 3" HWS/HWR UP TO AHU-4-1.
3. 1 1/4" CHS / CHR, 1" HWS / HWR DN TO LEVEL 1.
4. ADD DP SENSOR AT AHU-4-1.
5. 3/4" CHS / CHR DN IN WALL TO LEVEL SERVING ICE MAKER. REFER TO SHEET M-211 FOR CONTINUATION.
6. 1" CHS / CHR, 1" HWS / HWR DN TO LEVEL 1.

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918-935-5036

PROJECT: CHEROKEE HARD ROCK CASINO 4

PROJECT: CASINO 4

KEY PLAN

No.	Description	Date
2	ADDENDUM #2	05/04/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE: MECHANICAL PIPING SECOND FLOOR AREA 1

CONSTRUCTION SET

PROJECT NO: L17325
DRAWN BY: MSA
CHKD BY: PE
ISSUE DATE: 5/4/ 2018

M-221

Scale 1/8" = 1'-0"

ENTIRE SHEET CHANGES

6/14/2018 11:41:12 AM

GENERAL NOTES:

1. ACCESS DOORS ARE REQUIRED FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILINGS. COORDINATE EXACT LOCATION OF ALL ACCESS DOORS WITH ARCHITECT PRIOR TO INSTALLATION.
2. VERIFY EXACT LOCATION OF ALL THERMOSTATS WITH ARCHITECT PRIOR TO INSTALLATION. MOUNT ALL THERMOSTATS @48" A.F.F. IN ACCORDANCE WITH ADA STANDARDS. PROVIDE LOCKING COVERS FOR T-STATS.
3. VERIFY AND COORDINATE FRAME AND BORDER TYPE REQUIREMENTS FOR AIR DEVICES WITH ARCHITECTURAL CEILING PLANS PRIOR TO ORDERING.
4. DUCT SIZES SHOW ARE THE CLEAR INSIDE DIMENSIONS.
5. THE MECHANICAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT AND ROOF PENETRATIONS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
6. THE MECHANICAL CONTRACTOR SHALL COORDINATE LOCATION AND ROUTING OF HVAC EQUIPMENT AND DUCTWORK WITH OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL EXHAUST OUTLETS SHALL BE LOCATED MIN. OF 10'-0" FROM ANY OUTSIDE AIR INTAKES
8. THE CUTTING, NOTCHING, AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMODATE HIS WORK.
10. REFER TO THE MECHANICAL DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

◇SHEET NOTES:

1. 4" CHS/CHR, 3" HWS/HWR UP TO AHU-4-2 AND AHU-4-3.
2. 3" CHS/CHR, 2 1/2" HWS/HWR UP TO AHU-4-6 AND AHU-4-7.
3. 2 1/2" CHS / CHR, 1 1/2" HWS / HWR DOWN TO LEVEL 1.
4. PROVIDE NEW 10" CHS / CHR CONNECTION TO EXISTING 10" CHS / CHR PIPING AS SHOWN. PROVIDE WITH LINE SIZED ISOLATION VALVE AT CONNECTION.
5. PROVIDE NEW 6" HWS / HWR CONNECTION TO EXISTING 6" HWS / HWR PIPING AS SHOWN. PROVIDE WITH LINE SIZED ISOLATION VALVE AT CONNECTION.
6. 1 1/2" CHS / CHR, 1 1/4" HWS / HWR DN TO LEVEL 1.
7. PROVIDE EXPANSION JOINT(S) AS REQUIRED.
8. 3/4" CHS / CHR DN IN WALL TO ICE MAKER (ITEM #P42/43). REFER TO FOOD SERVICE PLANS FOR EXACT LOCATION.

1 **LEVEL 2 - MECHANICAL PIPING PLAN AREA 2**
M-222 1/8" = 1'-0"

NORTH

ENTIRE SHEET CHANGES

MATCHLINE: 1/M221

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PROJECT
CHEROKEE HARD ROCK CASINO 4

PROJECT
CASINO 4

KEY PLAN

No.	Description	Date
2	ADDENDUM #2	05/04/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE
MECHANICAL PIPING SECOND FLOOR AREA 2

CONSTRUCTION SET

PROJECT NO: L17325
DRAWN BY: MSA
CHK'D BY: PE
ISSUE DATE: 5/4/ 2018

M-222
Scale 1/8" = 1'-0"

6/14/2018 11:41:55 AM

PLUMBING SYMBOL LIST

NOTE: THIS IS A MASTER SCHEDULE. NOT ALL SYMBOLS CONTAINED HEREIN MAY APPEAR ON THE DRAWINGS.

	ITEM TO BE REMOVED
	POINT OF CONNECTION/DISCONNECTION
4	SHEET NOTE
2	REVISION NUMBER
TAG UNIT	EQUIPMENT MARK
	ACCESS PANEL
	CLEAN OUT
	WALL CLEAN OUT
	FLOOR CLEAN OUT
	GRADE CLEAN OUT
	FLOOR DRAIN
	FLOOR SINK
	FLOOR SINK W/ GRATE
	ROOF DRAIN
	OVERFLOW ROOF DRAIN
	VENT THRU ROOF
FS	FLOW SWITCH
	GAS REGULATOR
G	GAS METER
M	WATER METER
	WATER HAMMER ARRESTOR
	SHUT-OFF VALVE IN IRRIGATION BOX
	BACKFLOW PREVENTION STATION
	HOSE BIBB
A	COMPRESSED AIR LINES
CD	CONDENSATE DRAIN PIPING
PC	PUMPED CONDENSATE DRAIN PIPING
D	DRAIN PIPING
	COLD WATER PIPING
ICW	INDUSTRIAL COLD WATER PIPING
ISCW	INDUSTRIAL SOFTENED COLD WATER PIPING
SCW	SOFTENED COLD WATER PIPING
F	FIRE PROTECTION PIPING
HPG	HIGH PRESSURE GAS PIPING
G	LOW PRESSURE GAS PIPING
MPG	MEDIUM PRESSURE GAS PIPING
GV	GAS VENT PIPING
	HOT WATER PIPING
140°	140° HOT WATER PIPING
	HOT WATER RETURN PIPING
TW	TEMPERED WATER PIPING
ORD	OVERFLOW ROOF DRAIN PIPING
RD	ROOF DRAIN PIPING
AV	ACID VENT PIPING
AW	ABOVE GROUND ACID WASTE PIPING
AW	UNDERGROUND ACID WASTE PIPING
	VENT PIPING
	ABOVE GROUND WASTE PIPING
	UNDERGROUND WASTE PIPING
GW	ABOVE GROUND GREASE WASTE PIPING
GW	UNDERGROUND GREASE WASTE PIPING
GW	ABOVE GROUND GW PIPING W/HEAT TRACE
GW	UNDERGROUND GW PIPING W/HEAT TRACE
	CIRCUIT SETTER
	2-WAY ELECTRONIC CONTROL VALVE
	3-WAY ELECTRONIC CONTROL VALVE
	2-WAY PNEUMATIC CONTROL VALVE
	3-WAY PNEUMATIC CONTROL VALVE
	SOLENOID VALVE
	BUTTERFLY VALVE
	PLUG VALVE
	GAS COCK
	BALL VALVE
	CHECK VALVE
	GATE VALVE
	HOSE END DRAIN VALVE
	PRESSURE REDUCING VALVE
	RELIEF VALVE
	TEMPERATURE PRESSURE RELIEF VALVE
	THERMOMETER
	PRESSURE GAUGE WITH GAUGE COCK
	MANUAL AIR VENT
	PRESSURE TEMPERATURE PORT
	Y-STRAINER WITH BLOWDOWN
	PIPE GUIDE
	UNION
	PIPE ANCHOR
	FLEXIBLE CONNECTOR
	PIPE CAP/STUB-OUT
	DIRECTION OF FLOW
	PIPE DOWN
	PIPE UP
	PIPE TEE UP
	PIPE TEE DOWN

PLUMBING ABBREVIATIONS

NOTE: THIS IS A MASTER SCHEDULE. NOT ALL ABBREVIATIONS CONTAINED HEREIN MAY APPEAR ON THE DRAWINGS.

AABC	AMERICAN AIR BALANCE COUNCIL
ACD	AUTOMATIC CONTROL DAMPER
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS
ASPE	AMERICAN SOCIETY OF PLUMBING ENGINEERS
BFD	BACKFLOW PREVENTION DEVICE
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNIT PER HOUR
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CHAR	CHARACTERISTICS
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CO	CLEANOUT
CR	CONDENSER WATER RETURN
CS	CONDENSER WATER SUPPLY
CW	COLD WATER
D	DRAIN
DB	DRY BULB TEMPERATURE
DDC	DIRECT DIGITAL CONTROL
DIA	DIAMETER
DN	DOWN
DX	DIRECT EXPANSION
(E)	EXISTING TO REMAIN
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EER	ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
ELEC	ELECTRICAL
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
°F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FIRE DAMPER
FPM	FEET PER MINUTE
FSD	FIRE / SMOKE DAMPER
G	GAS
GA	GAGE OR GAUGE
GAL	GALLONS
GCO	GRADE CLEANOUT
GI	GREASE INTERCEPTOR
GPF	GALLONS PER FLUSH
GPM	GALLONS PER MINUTE
GR	GLYCOL RETURN
GS	GLYCOL SUPPLY
GW	GREASE WASTE
HD	HEAD
HP	HORSEPOWER
HPG	HIGH PRESSURE GAS
HR	HOUR
HSPF	HEATING SEASONAL PERFORMANCE FACTOR
HW	HOT WATER
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
IBC	INTERNATIONAL BUILDING CODE
IE	INVERT ELEVATION
IMC	INTERNATIONAL MECHANICAL CODE
IPC	INTERNATIONAL PLUMBING CODE
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	ONE THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPS
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MPG	MEDIUM PRESSURE GAS
MVD	MANUAL VOLUME DAMPER
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEBB	NATIONAL ENVIRONMENTAL BALANCING BUREAU
NEC	NATIONAL ELECTRIC CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE
OBD	OPPOSED BLADE DAMPER
OED	OPEN END DUCT
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSID	POUNDS PER SQUARE INCH DIFFERENTIAL
PSIG	POUNDS PER SQUARE INCH GAUGE
(R)	EXISTING TO BE RELOCATED
RA	RETURN AIR
RH	RELATIVE HUMIDITY
RL/S	REFRIGERANT LIQUID/SUCTION
RPM	REVOLUTIONS PER MINUTE
RPPA	REDUCED PRESSURE PRINCIPAL ASSEMBLY
RVD	REMOTE VOLUME DAMPER
SA	SUPPLY AIR
SD	SMOKE DAMPER
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SOI	SAND OIL INTERCEPTOR
"SP	STATIC PRESSURE (INCHES OF W.C.)
SPECS	SPECIFICATIONS
SQ	SQUARE
SQFT	SQUARE FEET
SS	STAINLESS STEEL
T	TEMPERATURE
TAB	TEST AND BALANCE REPORT
TSP	TOTAL STATIC PRESSURE
TW	TEMPERED WATER
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
UMC	UNIFORM MECHANICAL CODE
UON	UNLESS OTHERWISE NOTED
UPC	UNIFORM PLUMBING CODE
V	VENT
V/PH/HZ	VOLTAGE/PHASE/HERTZ
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THROUGH ROOF
WB	WET BULB TEMPERATURE
WCO	WALL CLEANOUT
WG	WATER GUAGE
WMS	WIRE MESH SCREEN
(X)	EXISTING TO BE REMOVED

PLUMBING - DRAWING INDEX

SHEET NUMBER	SHEET NAME	4/16/2018 - BID SET - NOT FOR CONSTRUCTION	5/4/2018 - ADDENDUM #2	06/14/18 - BULLETIN #2	MM.DD.YYYY	MM.DD.YYYY
P-000	PLUMBING ABBREVIATIONS AND SYMBOLS LIST	X	X	X		
P-001	PLUMBING SPECIFICATIONS	X	X			
P-002	PLUMBING SCHEDULES	X	X			
P-003	PLUMBING DIAGRAMS	X	X			
P-004	PLUMBING GAS ISOMETRIC DIAGRAM	X	X			
P-100	PLUMBING SITE PLAN	X	X			
P-110	PLUMBING FIRST FLOOR PLAN OVERALL - WASTE AND VENT	X	X			
P-111	PLUMBING FIRST FLOOR AREA 1 - WASTE AND VENT	X	X	X		
P-112	PLUMBING FIRST FLOOR AREA 2 - WASTE AND VENT	X	X			
P-120	PLUMBING SECOND FLOOR PLAN OVERALL - WASTE AND VENT	X	X			
P-121	PLUMBING SECOND FLOOR AREA 1 - WASTE AND VENT	X	X	X		
P-122	PLUMBING SECOND FLOOR AREA 2 - WASTE AND VENT	X	X			
P-160	PLUMBING OVERALL ROOF PLAN	X	X			
P-161	PLUMBING ROOF AREA 1	X	X	X		
P-162	PLUMBING ROOF AREA 2	X	X			
P-210	PLUMBING FIRST FLOOR PLAN OVERALL - DOMESTIC WATER	X	X			
P-211	PLUMBING FIRST FLOOR AREA 1 - DOMESTIC WATER	X	X			
P-212	PLUMBING FIRST FLOOR AREA 2 - DOMESTIC WATER	X	X			
P-220	PLUMBING SECOND FLOOR PLAN OVERALL - DOMESTIC WATER	X	X			
P-221	PLUMBING SECOND FLOOR AREA 1 - DOMESTIC WATER	X	X			
P-222	PLUMBING SECOND FLOOR AREA 2 - DOMESTIC WATER	X	X			
P-410	PLUMBING WASTE AND VENT ENLARGED PLANS	X	X			
P-411	PLUMBING WATER AND GAS ENLARGED PLANS	X	X			
PFS-101	PLUMBING ENLARGED WASTE & VENT PLAN - FOOD SERVICE	X	X			
PFS-102	PLUMBING ENLARGED WASTE & VENT PLAN - FOOD SERVICE	X	X			
PFS-103	PLUMBING ENLARGED WASTE & VENT PLAN - FOOD SERVICE	X	X			
PFS-104	PLUMBING ENLARGED WTR & GAS PLAN - FOOD SERVICE	X	X			
PFS-105	PLUMBING ENLARGED WTR & GAS PLAN - FOOD SERVICE	X	X			
PFS-106	PLUMBING ENLARGED WTR & GAS PLAN - FOOD SERVICE	X	X			

Grand total: 29

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PROJECT: CHEROKEE HARD ROCK CASINO 4

PROJECT
CASINO 4

KEY PLAN

No.	Description	Date
2	ADDENDUM #2	05/04/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE
PLUMBING ABBREVIATIONS AND SYMBOLS LIST

CONSTRUCTION SET

PROJECT NO: L17325
DRAWN BY: MSA
CHK'D BY: PE
ISSUE DATE: 5/4/ 2018

P-000

Scale 12" = 1'-0"

6/14/2018 1:19:57 PM

GENERAL NOTES:

1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
9. PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

SHEET NOTES:

1. REFER TO PLUMBING SITE PLAN & CIVIL UTILITY PLANS FOR CONTINUATION.
2. REFER TO SHEET P-112 FOR CONTINUATION.
3. 4" RD & ORD UP TO RD-1 & ORD-1 ON PORTE COCHERE.
4. PROVIDE DSN-1 FOR PRIMARY RD AT 10" ABOVE GRADE AND DSN-1 FOR SECONDARY ORD AT 1'-6" ABOVE GRADE STACKED IN VERTICAL.

DSN-1
6"
3"
8" RD & ORD UP TO RD-1 & ORD-1 ON ROOF.
4"
4" RD & ORD DN
ORD
RD
8" RD & ORD UP TO RD-1 & ORD-1 ON ROOF.
4" RD & ORD DN
4" RD-1/ORD-1 (500 SQ FT)

CORRIDOR 144
GREEN ROOM 147
CORRIDOR 146
STORAGE 149
SERVICE CORRIDOR 152
SERVICE CORRIDOR 153
FLYWHEEL ROOM 150
IDF 151
WOMENS 110
MENS 107
VEST 109
JAN 108
VEST 106
MULTI-PURPOSE GAMING 105
CONCESSION 104
PRE-FUNCTION AREA 101
ADMISSION/COAT ROOM 102
ENTRY 100
DN

1 P-410
2 PFS-102
1 PFS-102

Level 1 - Plumbing DW&V Plan Area 1
1/8" = 1'-0"

NORTH

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PROJECT: CHEROKEE HARD ROCK CASINO 4

PROJECT: CASINO 4

KEY PLAN

No.	Description	Date
2	ADDENDUM #2	05/04/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE: PLUMBING FIRST FLOOR AREA 1 - WASTE AND VENT

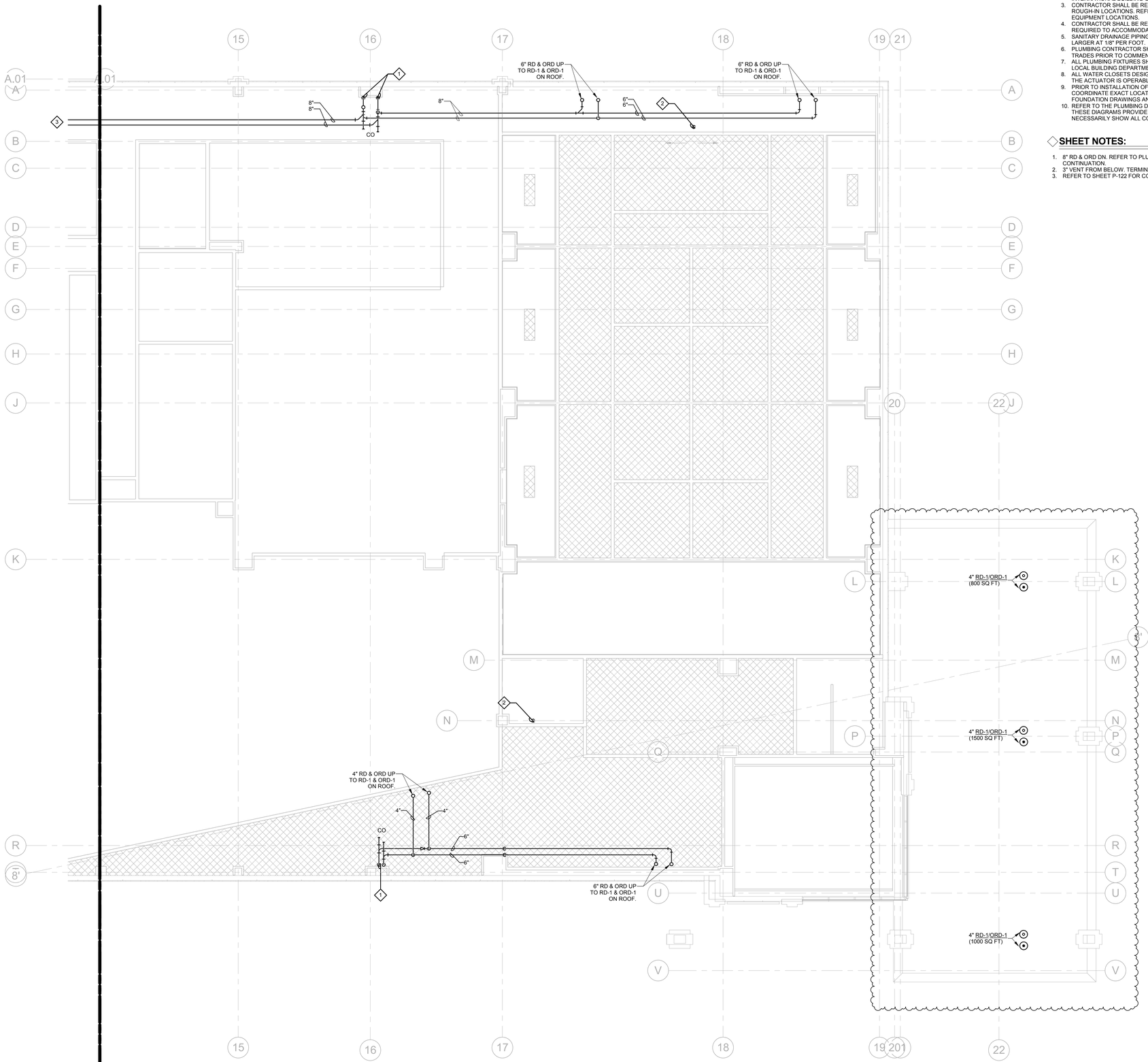
CONSTRUCTION SET

PROJECT NO: L17325
DRAWN BY: MSA
CHK'D BY: PE
ISSUE DATE: 5/4/ 2018

P-111

Scale 1/8" = 1'-0"

6/14/2018 1:44:49 PM



GENERAL NOTES:

1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
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6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
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10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

SHEET NOTES:

1. 8" RD & ORD DN. REFER TO PLUMBING FIRST FLOOR PLANS AND SITE PLAN FOR CONTINUATION.
2. 3" VENT FROM BELOW. TERMINATE 3" VTR ON ROOF.
3. REFER TO SHEET P-122 FOR CONTINUATION.

1 P-121 **Level 2 - Plumbing DW&V Plan Area 1**
1/8" = 1'-0"

NORTH

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PROJECT: CHEROKEE HARD ROCK CASINO 4

PROJECT: CASINO 4

KEY PLAN

No.	Description	Date
2	ADDENDUM #2	05/04/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE: PLUMBING SECOND FLOOR AREA 1 - WASTE AND VENT

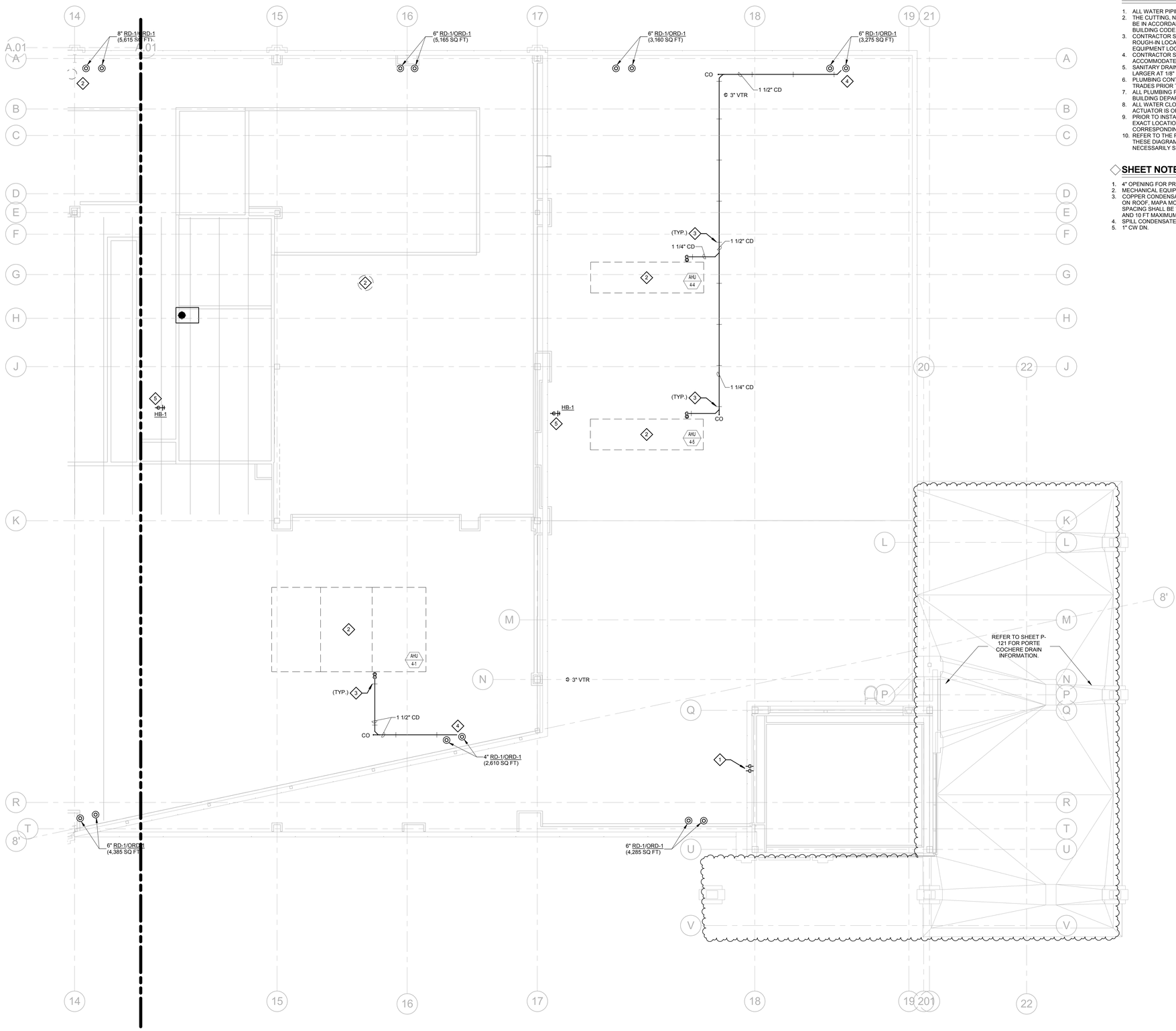
CONSTRUCTION SET

PROJECT NO: L17325
DRAWN BY: MSA
CHK'D BY: PE
ISSUE DATE: 5/4/ 2018

P-121

Scale 1/8" = 1'-0"

6/14/2018 1:38:22 PM



Roof - Plumbing Roof Plan area 1

1/8" = 1'-0"

NORTH

GENERAL NOTES:

1. ALL WATER PIPING SHALL BE INSTALLED ON THE INTERIOR SIDE OF THE BUILDING.
2. THE CUTTING, NOTCHING AND BORING OF HOLES IN FLOOR JOIST AND WALL STUDS SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF THE INTERNATIONAL BUILDING CODE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL PLUMBING ROUGH-IN LOCATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURES AND EQUIPMENT LOCATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING AS REQUIRED TO ACCOMMODATE HIS WORK.
5. SANITARY DRAINAGE PIPING SHALL BE SLOPED: UNDER 3" AT 1/4" PER FOOT, 3" AND LARGER AT 1/8" PER FOOT.
6. PLUMBING CONTRACTOR SHALL COORDINATE ROUTING OF PIPING WITH ALL OTHER TRADES PRIOR TO COMMENCING WORK.
7. ALL PLUMBING FIXTURES SHALL BE WATER CONSERVATION TYPE AS MANDATED BY LOCAL BUILDING DEPARTMENT.
8. ALL WATER CLOSETS DESIGNATED AS ACCESSIBLE SHALL BE INSTALLED SUCH THAT THE ACTUATOR IS OPERABLE FROM THE WIDE SIDE OF THE WATER CLOSET.
9. PRIOR TO INSTALLATION OF SEWER AND WATER PIPING BELOW GRADE COORDINATE EXACT LOCATIONS AND DEPTHS OF BURIAL WITH CIVIL AND FOUNDATION DRAWINGS AND CORRESPONDING ENGINEERS.
10. REFER TO THE PLUMBING DIAGRAMS THAT APPLY TO THE WORK ON THIS DRAWING. THESE DIAGRAMS PROVIDE GUIDANCE AS TO INSTALLATION INTENT AND DO NOT NECESSARILY SHOW ALL COMPONENTS REQUIRED.

SHEET NOTES:

1. 4" OPENING FOR PRIMARY DRAIN. 4" OPENING 2" HIGHER FROM SECONDARY DRAIN.
2. MECHANICAL EQUIPMENT. SHOWN FOR REFERENCE.
3. COPPER CONDENSATE DRAIN PIPING SHALL BE PROVIDED WITH PIPE SUPPORT STAND ON ROOF. MAPA MODEL MS-1-X-A10, OR APPROVED EQUIVALENT. PIPE SUPPORT SPACING SHALL BE 7 FT MAXIMUM FOR 1 1/4" PIPE SIZE, 8 FT MAXIMUM FOR 1 1/2" AND 2", AND 10 FT MAXIMUM FOR 3" PIPE SIZE.
4. SPILL CONDENSATE DRAIN TO ROOF DRAIN WITH 90 DEGREE ELBOWS.
5. 1" CW DN.

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PROJECT: CHEROKEE HARD ROCK CASINO 4

PROJECT: CASINO 4

KEY PLAN

No.	Description	Date
2	ADDENDUM #2	05/04/2018
5	BULLETIN #2	06/14/2018

SHEET TITLE: PLUMBING ROOF AREA 1

CONSTRUCTION SET

PROJECT NO: L17325
DRAWN BY: MSA
CHK'D BY: PE
ISSUE DATE: 5/4/ 2018

P-161

Scale 1/8" = 1'-0"

6/14/2018 11:42:56 AM