

SPECIAL STRUCTURAL INSPECTIONS

1. IN ACCORDANCE WITH IBC SECTION 1704, AS NOTED BELOW, TESTING AND INSPECTION SHALL BE AN INDEPENDENT TESTING AGENCY...

2. THE DESIGNATED ENGINEER OF RECORD FOR SPECIAL INSPECTIONS SHALL BE RESPONSIBLE FOR DEFINING THE ACTIVITIES OF THE INSPECTORS...

3. SPECIAL INSPECTION IS TO BE PROVIDED IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE LOCAL DEPARTMENT OF BUILDING SAFETY...

4. CONCRETE REPAIR TESTING FOR FLOOR FINISHES AND LEVELNESS PER SPECIAL INSPECTIONS... ALL CONCRETE EXPOSED SUBSTRUCTURES, FOUNDATIONS, AND FOUNDATIONS SHALL REQUIRE TESTING FOR FLOOR FINISHES AND LEVELNESS PER SPECIAL INSPECTIONS...

5. STEEL CONSTRUCTION SPECIAL INSPECTIONS SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE SPECIAL INSPECTIONS OF AISC 300... SPECIAL INSPECTION FOR BEARING MEMBERS TO BE ASSEMBLED OR FABRICATED ON THE PREMISES OF A FABRICATOR...

6. WELDING: WELDING AND NONWELDING SHALL BE IN COMPLIANCE WITH AISC 311... THE BASIS FOR HOLDING CERTAIN QUALIFICATIONS SHALL BE AS PER 1709.5 SPECIAL INSPECTION IN ACCORDANCE WITH TABLE 1.4 THROUGH TABLE 1.5.3.

7. HIGH STRENGTH BOLTING: INSTALLATION OF HIGH STRENGTH BOLTS SHALL BE PERIODICALLY INSPECTED IN ACCORDANCE WITH AISC SPECIFIC PROVISIONS... SPECIAL INSPECTION IN ACCORDANCE WITH AISC TABLE 1.5.1 THROUGH TABLE 1.5.3.

8. INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION FOR TO COMPOSITE PLACEMENT SHALL BE PER AISC TABLE 1.5.1.

9. STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL SHALL BE PER IBC SECTION 1705.2.2 AND REQUIREMENTS OF SDI QAC3 AND 1705.2.3 FOR OPEN WEB STEEL JOISTS AND JOIST BRACES.

11. STRUCTURAL MASONRY: MASONRY CONSTRUCTION SHALL BE INSPECTED AND VERIFIED IN ACCORDANCE WITH THE 4800-GG DIVISION 5 AND THE 9200-GG DIVISION 6 AS FOLLOWS:

4. ENGINEERED MASONRY IN RISK CATEGORY I, II OR III STRUCTURES: THE MINIMUM SPECIAL INSPECTION PROGRAM FOR MASONRY SHALL COVER THE FOLLOWING: QUALITY ASSURANCE, TABLE 4.

5. ENGINEERED MASONRY IN RISK CATEGORY IV STRUCTURES: THE MINIMUM SPECIAL INSPECTION PROGRAM FOR MASONRY SHALL COVER THE FOLLOWING: QUALITY ASSURANCE, TABLE 5.

12. GROUNDING, SEPARATION AND FILLING: PER SECTION 1705.6, SEE CIVIL DRAWINGS AND SPECIFICATION DIVISION 2.

13. SPRAY-APPLIED INSULATION: PER SECTION 1705.14, SEE ARCHITECTURAL DRAWINGS FOR APPLY METHOD AND REQUIREMENTS.

14. FREE PENETRATING JOINTS AND JOINTS: PER SECTION 1705.17.

15. WINDSHIELD EXTERIOR STUCCO WALLS AND EXTERIOR VENEER: PER SECTION 1705.12.5 WITH EXCEPTIONS.

16. EXPANSION BOLT, BOLT/ANCHOR AND ADHESIVE ANCHOR INSTALLATION: TO VERIFY INSTALLATION IN ACCORDANCE WITH CODE REQUIREMENTS PREVIOUSLY APPROVED EQUAL.

17. REPAIRED CONCRETE BEAR CONNECTIONS: INSPECTED AND TESTED PER AMERICAN WELDING SOCIETY CODE AND (D-1).

18. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR THE INSTALLATION OF ALL STORM SHELTER DOOR, WINDOW AND PROTECTIVE OPENING DEVICES, INCLUDING THE ANCHORAGE TO STRUCTURE.

19. THE INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO BE CERTAIN IT CONFORMS TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.

20. THE INSPECTOR SHALL FURNISH ALL SPECIAL INSPECTION REPORTS ON THE WORK TO THE BUILDING OFFICIAL AND TO THE ENGINEER. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND IF UNCORRECTED, TO THE ENGINEER AND THE BUILDING OFFICIAL.

21. THE TESTING/INSPECTION FIRMS ENGINEER SHALL COMPLETE, SIGN AND SEAL FINAL REPORT CERTIFYING THAT TO THE BEST OF HIS KNOWLEDGE, THE WORK IS IN CONFORMANCE WITH THE CONTRACT DOCUMENTS.

22. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE CONSTRUCTION SCHEDULE WITH THE ENGINEER'S SPECIAL INSPECTION REQUIREMENTS IN A TIMELY MANNER AND SHALL NOT PROCEED WITH CONSTRUCTION OF COMPONENTS THAT MAY INTERFERE WITH THE INSPECTOR'S ABILITY TO PERFORM CODE REQUIRED INSPECTIONS. ANY COST INCURRED ASSOCIATED WITH REMOVAL OF WORK TO PERFORM INSPECTIONS WILL BE BORNE BY THE CONTRACTOR.

23. STEEL DETAILING: THE SPECIAL INSPECTOR SHALL PERFORM AN INSPECTION OF THE STEEL FRAME TO VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE APPROVED CONSTRUCTION DOCUMENTS. SUCH AS BRACING, STIFFENING MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONNECTION.

TABLE 1.4: REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION. Columns: Verification and Inspection, Continuity, Period, Reference Standard, BC Reference.

TABLE 1.5: REQUIRED VERIFICATION AND INSPECTION OF STEEL. Columns: Verification and Inspection, Continuity, Period, Reference Standard, BC Reference.

TABLE 1.6: MINIMUM SPECIAL INSPECTION TESTS. Columns: Inspection Task, Frequency, Period, Test Ref, Test Ref.

TABLE 1.7: MINIMUM SPECIAL INSPECTION TESTS. Columns: Inspection Task, Frequency, Period, Test Ref, Test Ref.

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TABLE 1.15: MINIMUM SPECIAL INSPECTION TESTS. Columns: Inspection Task, Frequency, Period, Test Ref, Test Ref.

TABLE 1.16: MINIMUM SPECIAL INSPECTION TESTS. Columns: Inspection Task, Frequency, Period, Test Ref, Test Ref.

TABLE 1.17: MINIMUM SPECIAL INSPECTION TESTS. Columns: Inspection Task, Frequency, Period, Test Ref, Test Ref.

TABLE 1.18: MINIMUM SPECIAL INSPECTION TESTS. Columns: Inspection Task, Frequency, Period, Test Ref, Test Ref.

TABLE 1.19: MINIMUM SPECIAL INSPECTION TESTS. Columns: Inspection Task, Frequency, Period, Test Ref, Test Ref.

TABLE 1.20: MINIMUM SPECIAL INSPECTION TESTS. Columns: Inspection Task, Frequency, Period, Test Ref, Test Ref.

TABLE 1.21: MINIMUM SPECIAL INSPECTION TESTS. Columns: Inspection Task, Frequency, Period, Test Ref, Test Ref.

TABLE 1.22: MINIMUM SPECIAL INSPECTION TESTS. Columns: Inspection Task, Frequency, Period, Test Ref, Test Ref.

ABBREVIATIONS: ABBREVIATIONS ARE AS SHOWN IN THE CONTRACT DOCUMENTS WITH THE FOLLOWING EXCEPTIONS. Includes: MOMENT CONNECTION, BEAM SPLICE, COLLECTOR BEAM AXIAL CONNECTION, COLUMN CENTERLINE, CMU, COMPOSITE BEAM, CONCRETE, EARTH (UNDISTURBED), FLOOR OR ROOF SLOPE, FLOOR STEP ELEVATION, GRAVEL, STRUCTURED SLAB OR METAL DECK SPAN DIRECTION, PRECAST CONCRETE, GROUT, BLOCK, TOP OF STEEL ELEVATION FROM NOTED TDG, MELTED WIRE REINFORCEMENT, KEYNOTE MARK, COLUMN MARK, FOOTING MARK, CONCRETE COLUMN MARK, STEEL BRACED FRAME BAY, MATCHLINE, REVISION MARK, CROSS REFERENCE, DETAIL OR WALL SECTION, FRAME OR SHEAR WALL ELEVATION, FLOOR OPENING, ARCHITECTURAL EXTERIOR/CLOTHING LINE.

ABBREVIATIONS: ABBREVIATIONS ARE AS SHOWN IN THE CONTRACT DOCUMENTS WITH THE FOLLOWING EXCEPTIONS. Includes: SHEAR (R) / AXIAL (L) MOMENT (I), SHEAR (R) / AXIAL (L) MOMENT (I), SHEAR (R) / AXIAL (L) MOMENT (I), SHEAR (R) / AXIAL (L) MOMENT (I).

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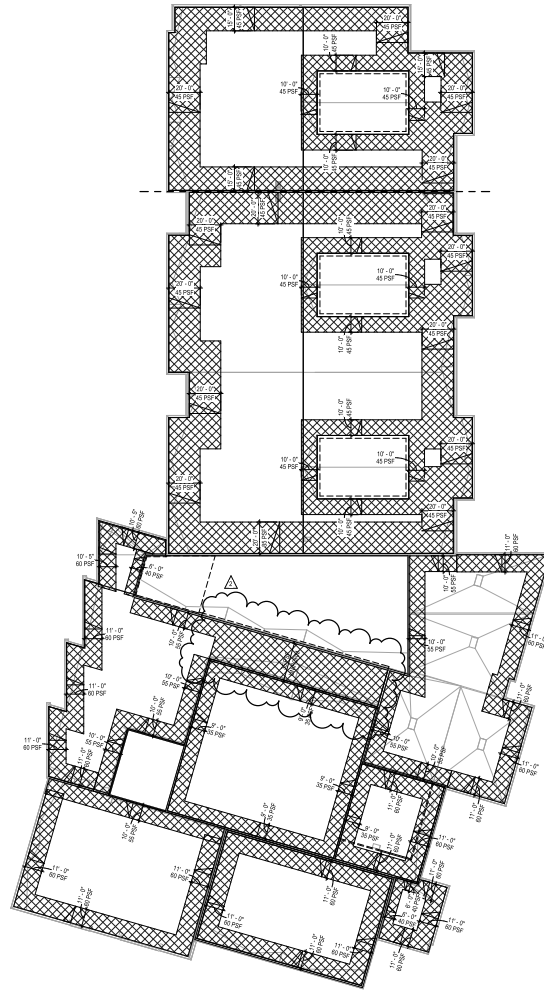
ABBREVIATIONS: ABBREVIATIONS ARE AS SHOWN IN THE CONTRACT DOCUMENTS WITH THE FOLLOWING EXCEPTIONS. Includes: SHEAR (R) / AXIAL (L) MOMENT (I), SHEAR (R) / AXIAL (L) MOMENT (I), SHEAR (R) / AXIAL (L) MOMENT (I), SHEAR (R) / AXIAL (L) MOMENT (I).

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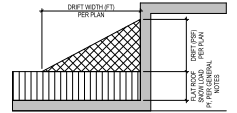
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DLR Group logo, LEES SUMMIT MIDDLE SCHOOL #4, LEES SUMMIT R7 SCHOOL DISTRICT, ISSUE FOR PERMIT 10/09/20, REVISIONS, SO.2

SNOW DRIFT PLAN
 SCALE: 1/32" = 1'-0"



- SNOW DRIFT NOTES:**
1. JOIST SUPPLIER SHALL DISTRIBUTE LOADS TO JOIST BASED ON TYPICAL SPACING OF JOISTS.
 2. ALL SPECIAL JOIST CALCULATIONS MUST BE SIGNED AND SEALED BY THE ENGINEER RESPONSIBLE FOR THE WORK AND SUBMITTED WITH HSRP DRAWINGS FOR REVIEW. SUBMIT A REQUEST FOR INFORMATION (RFI) FOR INFORMATION NOT SPECIFICALLY NOTED ON THE DRAWINGS.
 3. JOIST SUPPLIER SHALL DESIGN JOISTS FOR ALL LOADS INDICATED IN THE GENERAL NOTES S1.1. SHALL ROOF SNOW DRIFT PLAN(S) ON THE PLAN SHEETS AND ON THE DETAILS / SECTION SHEETS. CONTRACTOR TO COORDINATE ALL HEIGHTS AND LOCATIONS OF EQUIPMENT WITH THE JOIST SUPPLIER PRIOR TO SUBMITTING JOIST SHOP DRAWINGS.
 4. SNOW DRIFT LOADS ARE IN ADDITION TO FLAT ROOF SNOW LOADS ON SHEET S1.1.



LEE'S SUMMIT MIDDLE SCHOOL #4
 LEE'S SUMMIT R-7 SCHOOL DISTRICT
 1001 S BAKER ROAD
 LEE'S SUMMIT, MISSOURI 64063

PACKAGE 1 - BUILDING & SITE
 - ISSUE FOR PERMIT

NO.	REVISIONS	DATE
1	ADD	10/08/20
2	MODIFIED	10/19/20

13-201102-00
 SNOW DRIFT
 PLAN





STRUCTURAL NOTES

- GENERAL STORM SHELTER NOTES**
- THE PORTION OF STRUCTURE SHOWN ON THIS SHEET IS BASED ON STRUCTURAL REQUIREMENTS LISTED IN ICC 500/314 "CONCRETE STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS". SHELTER HAS NOT BEEN CONTRACTED WITH AN AREA SUSCEPTIBLE TO COLLAPSE.
 - ALL COMPONENTS THAT MAKE UP THE STORM SHELTER AREA, INCLUDING DEFERRED SUBMITTALS, SHALL BE DESIGNED IN STRICT ACCORDANCE WITH ICC 500 STANDARDS. CALCULATIONS SHALL BE PROVIDED AT EACH CONNECTION FOR VERIFICATION OF LOAD PATH.
 - STORM SHELTER WALL AND SLAB ASSEMBLIES HAVE BEEN SELECTED BASED ON ICC 500 AND FEMA 361 REQUIREMENTS. NO ADDITIONAL TESTING OR ANALYSES HAS BEEN PERFORMED TO ESTIMATE THE DYNAMIC IMPACT OF OBJECTS FOUND IN THE ACTUAL ENVIRONMENT AGAINST THE STRUCTURE.
 - REFER TO ARCHITECTURAL, CIVIL, MEP DRAWINGS FOR STORM SHELTERS, DOORS, WINDOWS AND ATTACHMENT OF THESE COMPONENTS TO THE BUILDING STRUCTURE.
 - DIAHRAGM SHEARS HAVE BEEN DETERMINED BASED ON A RIGID DIAHRAGM ASSUMPTION AND ARE SHOWN AS STRENGTH ULTIMATE LEVEL WIND FORCES.
 - LOWER LEVEL SLAB ON GRADE IS USED AS A STRUCTURAL DIAHRAGM DISTRIBUTEING FORCES TO THE FOUNDATION. CONTRACTOR SHALL SUBMIT A POOR PLAN FOR REVIEW SHOWING PLANNED LOCATIONS FOR CONSTRUCTION JOINTS.

SHELTER TYPE:
 CONCRETE/TORNADO

WIND LOADE:
 IN ACCORDANCE WITH ASCE 7-10, CHAPTER 26 AND 27 DIRECTIONAL PROCEDURE
 BASIC WIND SPEED: V = 120 MPH
 WIND EXPOSURE: PARTIALLY ENCLOSED, EXPOSURE CATEGORY = "C"
 Kz = 1.0
 Kd = 1.0
 Kf = 1.0
 Gc = 1.0
 Gs = 1.0

LIVE LOAD:
 ROOF: 100 PSF
 COLLAPSE OF UPPER STRUCTURES WAS CONSIDERED IN THE DESIGN OF THE STORM SHELTERS.

LOAD COMBINATIONS:

1. ALL WIND LOADS SHOWN ON THIS SHEET ARE STRENGTH ULTIMATE LEVEL LOADS AND SHALL BE APPLIED WITH THE FOLLOWING LOAD COMBINATIONS IN ADDITION TO THE STANDARD LOAD COMBINATIONS OF ASCE 7-10 CHAPTER 2. COMBINATIONS INDICATED AS NA ARE SEISMIC LOAD CONDITIONS THAT WILL NOT GOVERN IN THE DESIGN.

LOAD	LOAD
1) 1.2D	1) 1.2D
2) 1.2D + 1.6L + 0.5L + W	2) 1.2D + L
3) 1.2D + 1.6W + 0.5L + L + 0.5W	3) 1.2D + 0.5L + W
4) 1.2D + 1.6L + 1.0S + 0.5W	4) 1.2D + 0.75L + 1.75W + 0.5L
5) NA	5) 1.2D + 0.5W
6) 0.9D + 1.0W	6) 1.2D + 1.2L + 1.75W + 0.5L + 0.5W
7) NA	7) 1.2D + 0.5W
8) NA	8) NA

ALL LOAD CONDITION DESIGNATIONS ARE PER ASCE 7-10 EXCEPT THE FOLLOWING:
 W = EXTREME WIND EVENT WIND LOAD

TORNADO MISSILE IMPACT CRITERIA:

- MANUFACTURERS SHALL PROVIDE DATA INDICATING THAT ALL STRUCTURAL PRODUCTS MEET THE IMPACT CRITERIA TEST REQUIRED BY ICC 500 INCLUDING THE IMPACT FROM THE END OF A 10 LB 24 IN AT THE FOLLOWING VELOCITY:
 - VERTICAL SURFACES = 100 MPH
 - HORIZONTAL SURFACES = 67 MPH
- ALL COMPONENTS OF THE STORM SHELTER ENVELOPE SHALL BE TESTED IN ACCORDANCE WITH ICC 500 SECTION 204 (PRESSURE) AND SECTION 205 (IMPACT).

QUALITY ASSURANCE, SPECIAL INSPECTION AND STRUCTURAL OBSERVATIONS FOR STORM SHELTER ICC 500/314:

THE FOLLOWING SPECIAL INSPECTION REQUIREMENTS SHALL BE PERFORMED ON ALL STORM SHELTER COMPONENTS IN ADDITION TO SPECIAL INSPECTION REQUIREMENTS AS STATED IN 2015 BC ON SHEET B0.2.

- QUALITY ASSURANCE FOR WIND REQUIREMENTS PLAN SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 110 FOR ALL COMPONENTS MAKING UP THE STRUCTURAL SYSTEM OF THE STORM SHELTERS AS FOLLOWS:
 - THE MAIN WIND-FORCE RESISTING SYSTEM THAT IS SUBJECT TO QUALITY ASSURANCE ARE THE:
 - CAST-IN-PLACE CONCRETE ROOF DIAHRAGM INCLUDING REINFORCEMENT, CHAIRS, COLLECTORS, AND CONNECTIONS TO BEAR WALLS.
 - PRECAST CONCRETE ROOF STRUCTURE.
 - PRECAST CONCRETE SHEAR WALLS INCLUDING CONNECTION TO DIAHRAGMS, WALL PANEL, TO PANEL CONNECTIONS AND PANEL TO FOOTING CONNECTIONS.
 - CONCRETE FOUNDATIONS.
 - FABRICATION AND INSTALLATION OF COMPONENTS AND ASSEMBLIES AT SHELTER ENVELOPE REQUIRED TO MEET MISSILE IMPACT TESTING OF ICC 500 INCLUDING DOORS, WINDOWS, AND OPENING PROTECTION DEVICES.
 - THE SPECIAL INSPECTIONS REQUIRED ARE INDICATED UNDER SPECIAL INSPECTION ON SHEET B0.2 AND THE ADDITIONAL REQUIREMENTS OF SECTION 1106 OF THE BC. MATERIALS TESTING REQUIRED IS INDICATED UNDER THE SPECIFICATION FOR EACH MATERIAL.
 - STRUCTURAL OBSERVATIONS SHALL BE PERFORMED BY A REGISTERED DESIGN PROFESSIONAL EMPLOYED BY THE OWNER TO CONDUCT VISUAL OBSERVATIONS OF THE CONSTRUCTION OF THE STRUCTURAL SYSTEM FOR GENERAL CONFORMANCE TO THE APPROVED CONTRACT DOCUMENTS AT SIGNIFICANT CONSTRUCTION STAGES AND AT COMPLETION OF THE CONSTRUCTION OF THE STRUCTURAL SYSTEM.
 - DISTRIBUTION OF OBSERVATION, TESTING AND SPECIAL INSPECTION REPORTS SHALL BE WITHIN TWENTY-FOUR (24) HOURS AFTER EACH SPECIAL INSPECTION. SUBMIT TWO (2) COPIES OF INSPECTION REPORTS TO THE CONTRACTOR, ARCHITECT AND BUILDING OFFICIAL.
- CONTRACTOR RESPONSIBILITY: EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A WIND-FORCE RESISTING SYSTEM, OR A WIND-RESISTING COMPONENT LISTED IN THE QUALITY ASSURANCE PLAN, SHALL SUBMIT A WRITTEN CONTRACTOR STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND TO THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENTS. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL INCLUDE THE FOLLOWING:
 - ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN.
 - ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
 - PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTORS ORGANIZATION AND THEIR POSITION IN THE ORGANIZATION.
 - IDENTIFICATION AND QUALIFICATIONS OF THE PERSONS EXERCISING SUCH CONTROL AND THEIR POSITION IN THE ORGANIZATION.

COMPONENT AND CLADDING WIND LOADS:
 ALL LOADS SHALL BE CONSIDERED AS POSITIVE OR NEGATIVE.

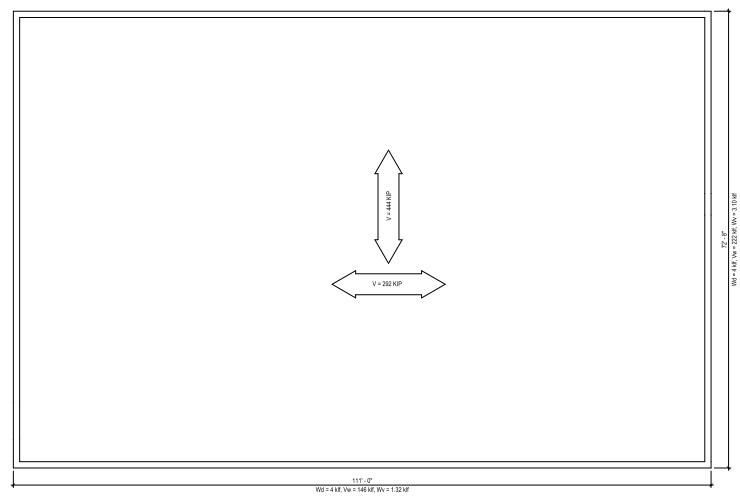
- WALLS:
 - W = 200 PSF (ZONE 4, TYP)
 - W = 500 PSF (ZONE 3, WITHIN 10' OF CORNERS)
- PARAPETS:
 - W = 500 PSF (CASE A, ZONE 2)
 - W = 100 PSF (CASE B, ZONE 3)
 - W = 310 PSF (CASE B, INTERIOR)
 - W = 200 PSF (CASE C, CORNER)
- ROOFS:
 - W = 200 PSF (UP, FT, ZONE 1)
 - W = 200 PSF (UP, LFT, ZONE 1)
 - W = 400 PSF (UP, FT, ZONE 2)
 - W = 400 PSF (UP, LFT, ZONE 2)
 - W = 140 PSF (POSITIVE, ZONE 4 & 3)
 - W = 240 PSF (POSITIVE, ZONE 4 & 3)

MAIN WIND-FORCE RESISTING SYSTEM LOADS (INVERTS):

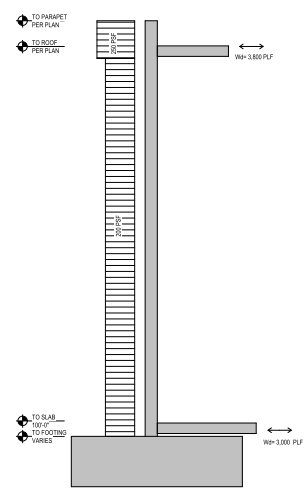
- W = 200 PSF (WINDWARD)
- W = 180 PSF (LEEWARD)
- W = 180 PSF (SIDE WALL)
- USE 100 PSF AGAINST WALL IN EACH ORTHOGONAL DIRECTION
- W = 210 PSF (ROOF UP/LIFT PRESSURE)
- W = 200 PSF (WINDWARD NET PARAPET PRESSURE)
- W = 170 PSF (LEEWARD NET PARAPET PRESSURE)

WIND LOADS:

- VERTICAL DIAHRAGM SHEAR DUE TO EXTREME WIND EVENT IN DIRECTION INDICATED.
- UNIFORMLY DISTRIBUTED LOAD APPLIED TO ROOF DIAHRAGM (PERPENDICULAR TO WALL).
- TOTAL SKEW LOAD RESISTED BY THE ENTIRE LENGTH OF SHEAR WALL FROM DIAHRAGM FORCE DISTRIBUTION.
- DIAHRAGM SHEAR WALL FORCE OVER THE LENGTH OF THE WALL (PARALLEL TO WALL).

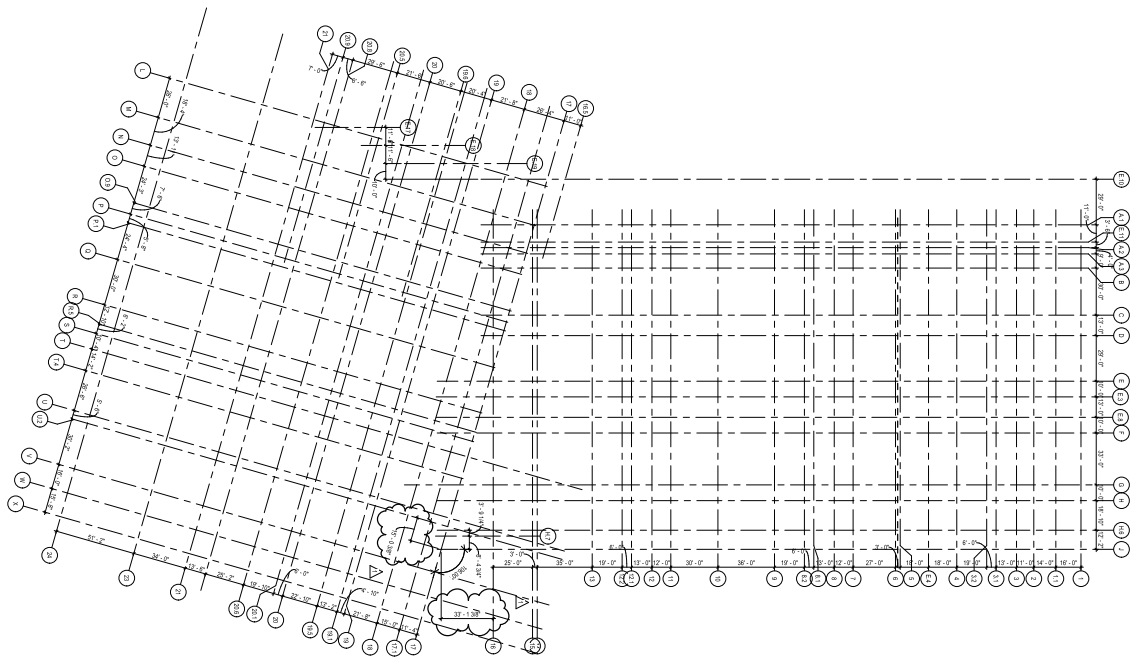


SHELTER ROOF PLAN (MWFRS)
 SCALE: 1/8" = 1'-0"



SHELTER WINDWARD WALL SECTION (MWFRS)
 SCALE: 1/8" = 1'-0"

GRID GEOMETRY



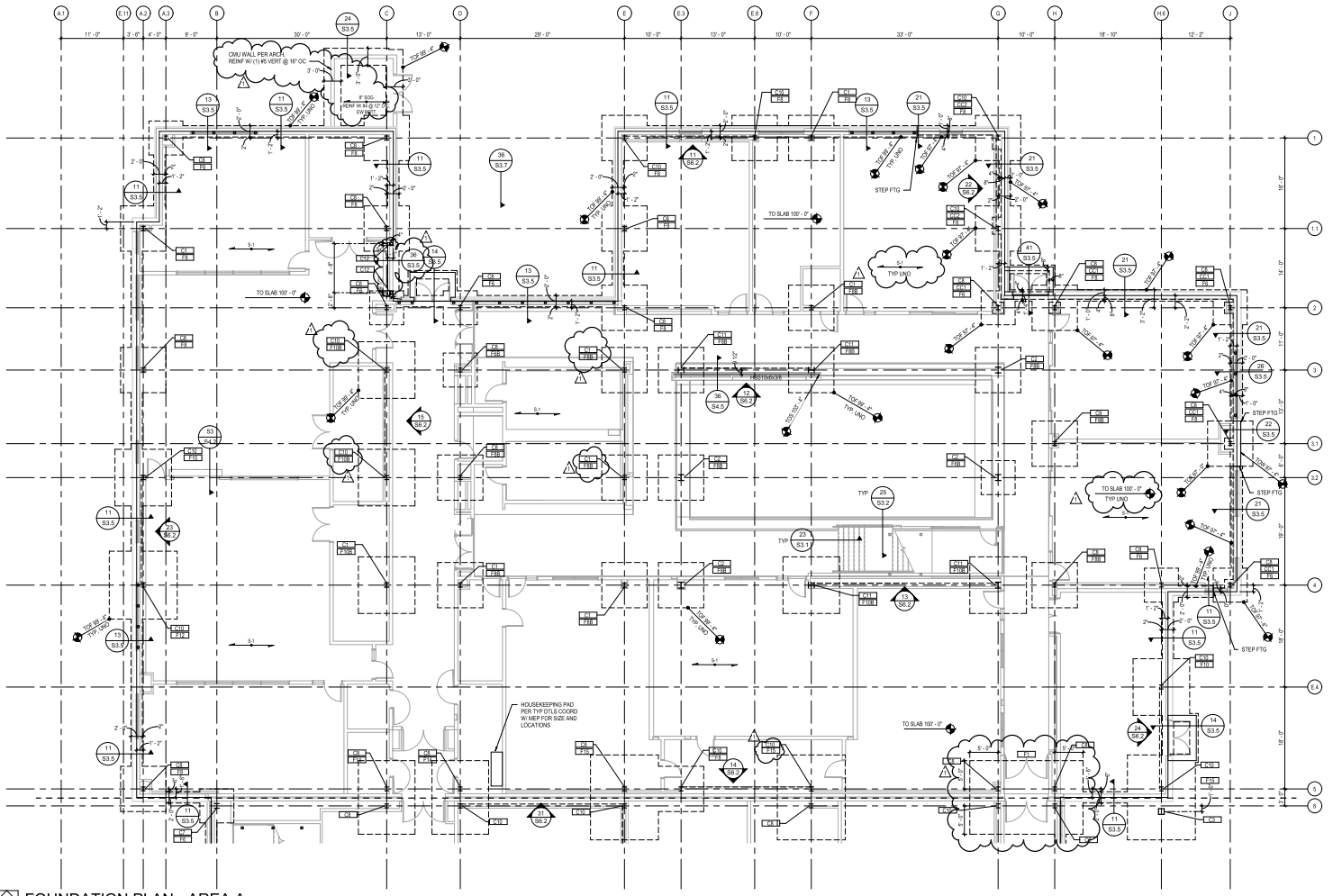


LEE'S SUMMIT MIDDLE SCHOOL #4
 LEE'S SUMMIT R7 SCHOOL DISTRICT

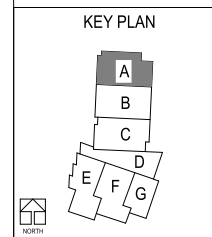
PACKAGE 2 -
 STRUCTURAL & SITE UTILITIES
 ISSUE FOR PERMIT
 8/20/20
 REVISIONS
 1 4/8/21 1008/8

15-20102-00
 FOUNDATION
 PLAN - AREA A

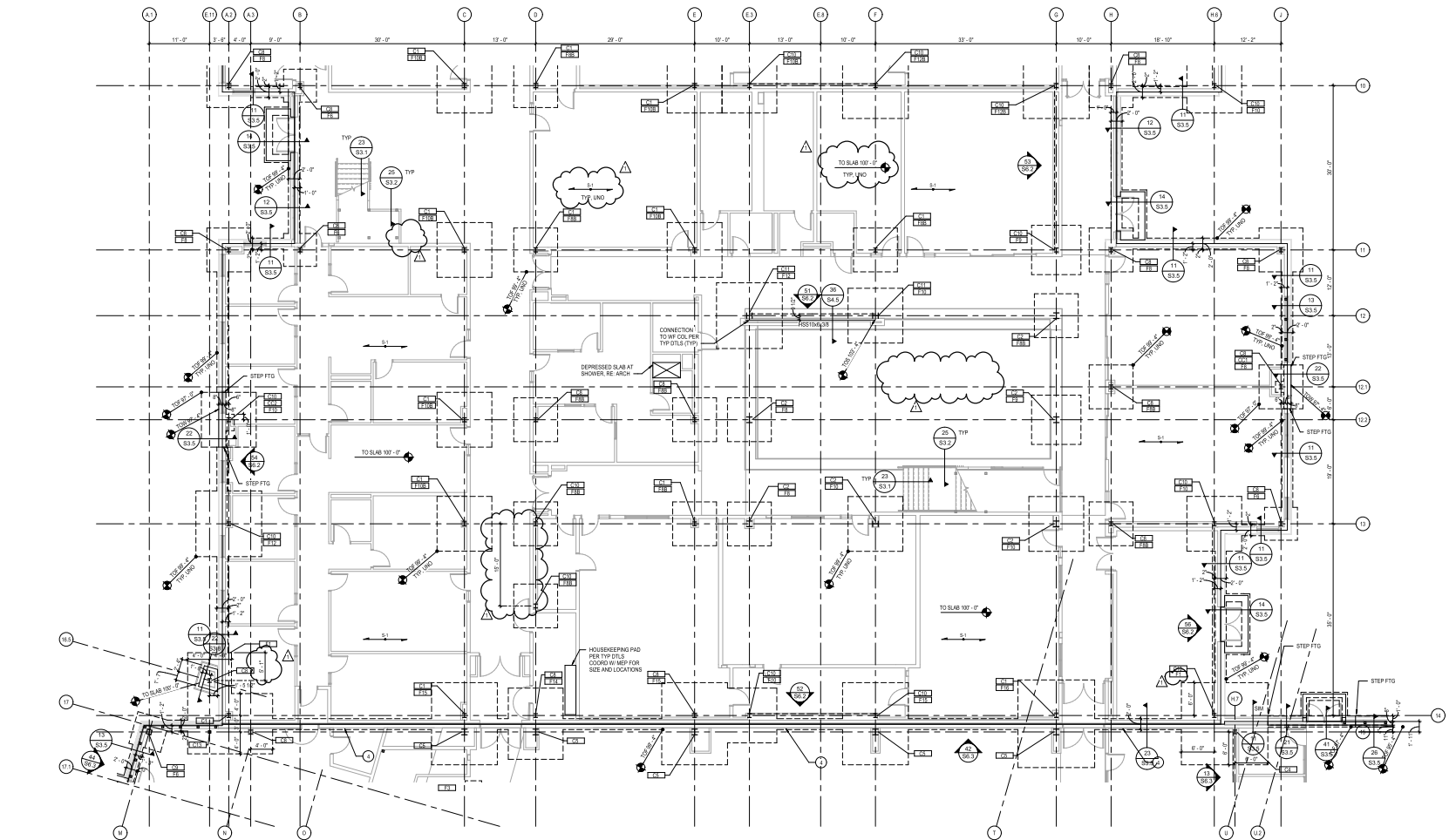
S1.1A



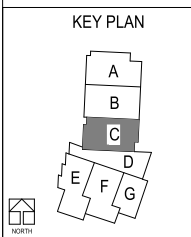
FOUNDATION PLAN - AREA A
 SCALE: 1/8" = 1'-0"
 NORTH



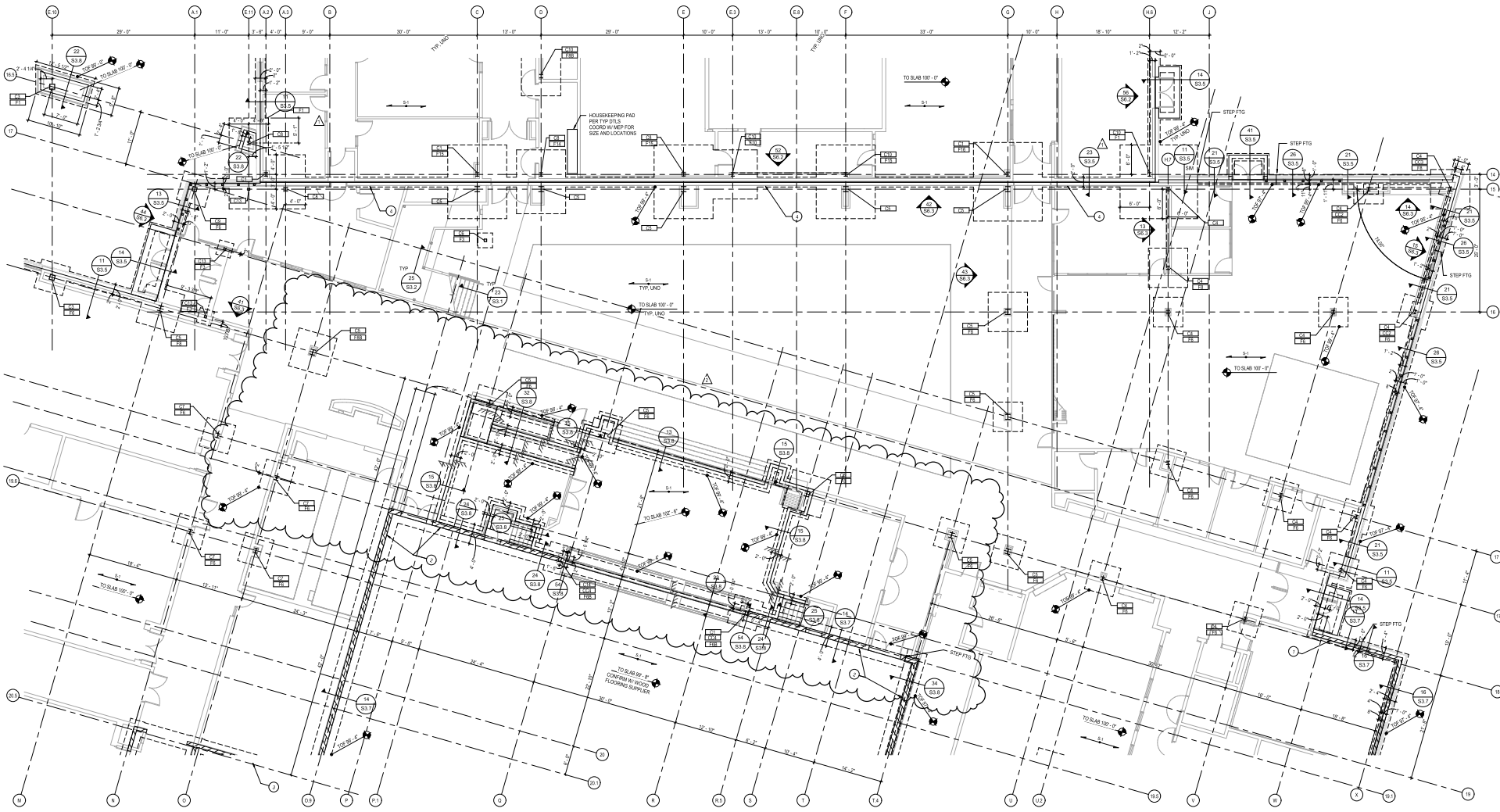
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FOUNDATION PLAN - AREA C
 SCALE: 1/8" = 1'-0"
 NORTH



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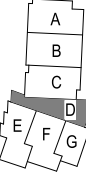


FOUNDATION PLAN - AREA D

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

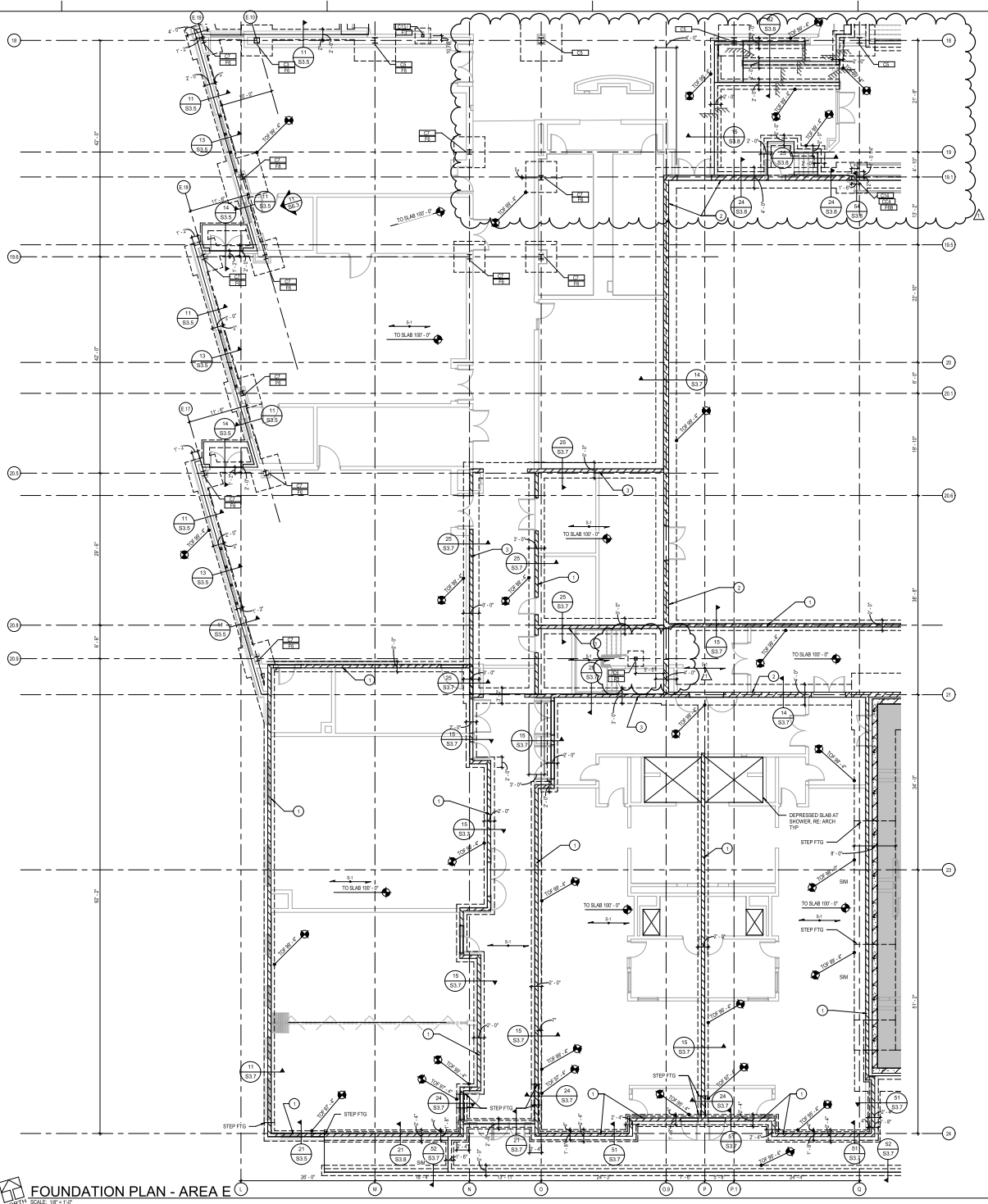


KEY PLAN



- 1. 8" ON-LI LOAD-BEARING WALL REINFORCE PER GENERAL NOTES
- 2. 8" ON-LI LOAD-BEARING WALL REINFORCE PER GENERAL NOTES
- 3. 8" ON-LI LOAD-BEARING WALL REINFORCE WITH (1) 1/4" VERTICAL @ 16" OC
- 4. 8" ON-LI LOAD-BEARING WALL REINFORCE WITH (2) 1/4" VERTICAL @ 8" OC

BAA 300013-201002-00 Lees Summit Middle School #4 15-201002-00 Lees Summit Middle School #4 S1.1D 20201014
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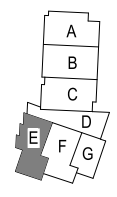
- 1 8" CMU LOAD-BEARING WALL, REINFORCE PER GENERAL NOTES
- 2 12" CMU LOAD-BEARING WALL, REINFORCE PER GENERAL NOTES
- 3 8" CMU LOAD-BEARING WALL, REINFORCE WITH (1) #6 VERTICAL @ 8' O.C.
- 4 8" CMU LOAD-BEARING WALL, REINFORCE WITH (2) #6 VERTICAL @ 8' O.C.



LEE'S SUMMIT MIDDLE SCHOOL #4
 LEE'S SUMMIT R7 SCHOOL DISTRICT
USE SEE SHEET FOR LOCATION
 LEE'S SUMMIT, MO 64080

PACKAGE 3 - BUILDING & SITE
 - ISSUE FOR PERMIT
 10/09/20
 REVISIONS
 1 ANNOTATION 10/19/20

KEY PLAN



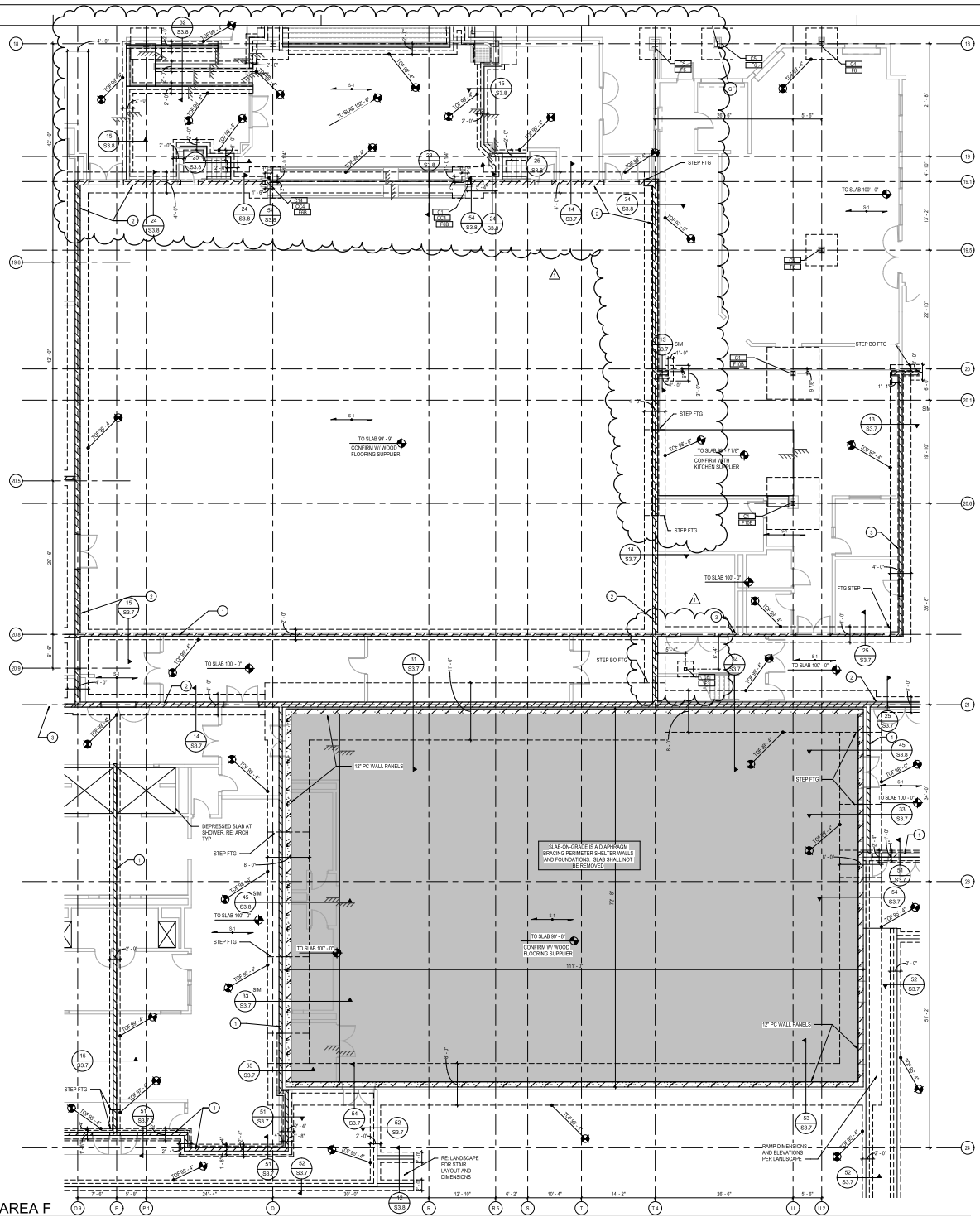
FOUNDATION PLAN - AREA E
 SCALE: 1/8" = 1'-0"

15-201002-00
 FOUNDATION
 PLAN - AREA E

S1.1E

BAA 202010-1010000 Lee's Summit Middle School #4 15-201002-00 Lee's Summit Middle School #4_S1_2020.rvt
 11/17/2020 11:27:44 AM

BA 200103-2101000-00 Lee's Summit Middle School #13 201002-00 Lee's Summit Middle School # 57 2020/01
 DATE PLOTTED: 11/14/20



FOUNDATION PLAN - AREA F
 SCALE: 1/8" = 1'-0"

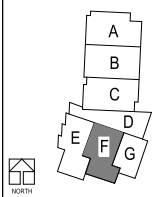
- 1 8" CMU LOAD-BEARING WALL, REINFORCE PER GENERAL NOTES
- 2 12" CMU LOAD-BEARING WALL, REINFORCE PER GENERAL NOTES
- 3 8" CMU LOAD-BEARING WALL, REINFORCE WITH 145 VERTICAL @ 8" OC
- 4 8" CMU LOAD-BEARING WALL, REINFORCE WITH 2145 VERTICAL @ 8" OC



LEE'S SUMMIT MIDDLE SCHOOL #4
 LEE'S SUMMIT R-7 SCHOOL DISTRICT

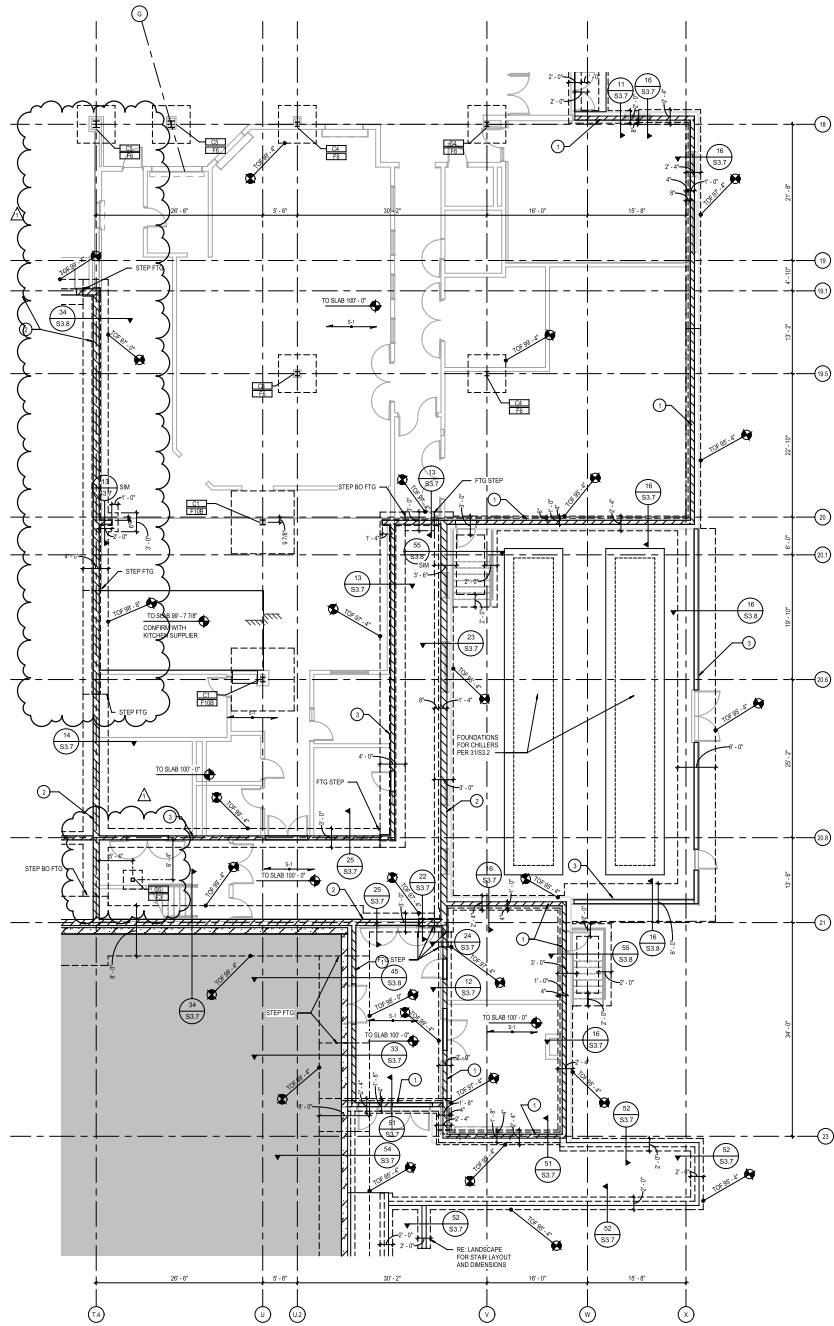
PACKAGE 3 - BUILDING & SITE
 ISSUE FOR PERMIT
 10/09/20
 REVISIONS
 1 ADDENDUM 02 10/10/20

KEY PLAN



13-201002-00
 FOUNDATION PLAN - AREA F

S1.1F



FOUNDATION PLAN - AREA G
 SCALE: 1/8"=1'-0"

- 1 8" OUL LOAD-BEARING WALL REINFORCE PER GENERAL NOTES.
- 2 12" OUL LOAD-BEARING WALL REINFORCE PER GENERAL NOTES.
- 3 8" OUL LOAD-BEARING WALL REINFORCE WITH (1) #5 VERTICAL @ 1'-0".
- 4 8" OUL LOAD-BEARING WALL REINFORCE WITH (2) #5 VERTICAL @ 1'-0".



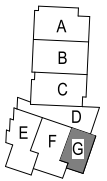
LEE'S SUMMIT MIDDLE SCHOOL #4
 LEE'S SUMMIT R7 SCHOOL DISTRICT

PACKAGE 3 - BUILDING & SITE
 ISSUE FOR PERMIT
 10/09/20
 REVISIONS
 1 A050804/02 10/19/20

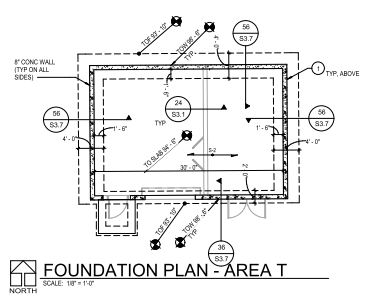
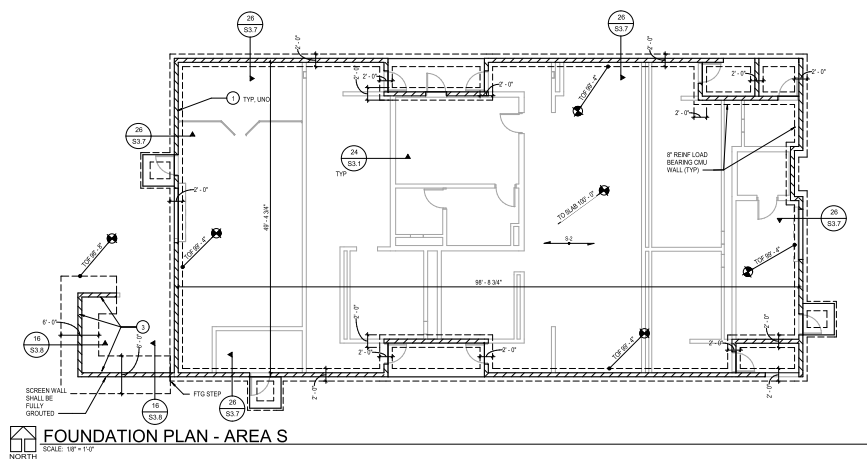
13-201002-00
 FOUNDATION PLAN - AREA G

S1.1G

KEY PLAN



- 1 8" CMU LOAD-BEARING WALL, REINFORCE PER GENERAL NOTES
- 2 12" CMU LOAD-BEARING WALL, REINFORCE PER GENERAL NOTES
- 3 8" CMU LOAD-BEARING WALL, REINFORCE WITH (1) #6 VERTICAL @ 9' OC
- 4 8" CMU LOAD-BEARING WALL, REINFORCE WITH (2) #6 VERTICAL @ 9' OC



LEE'S SUMMIT MIDDLE SCHOOL #4
LEE'S SUMMIT R7 SCHOOL DISTRICT
10015 BAKER ROAD
LEE'S SUMMIT, TEXAS 75042

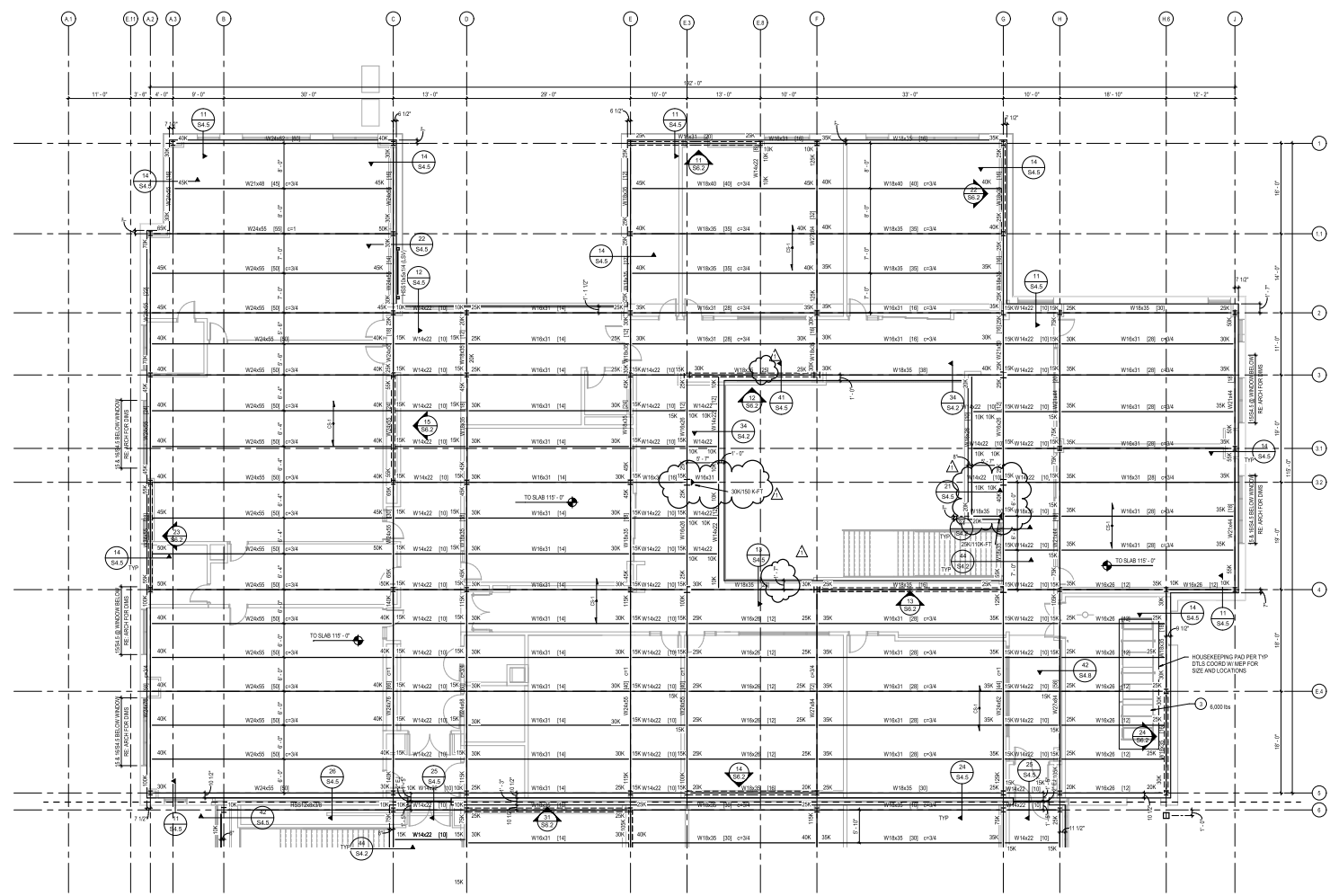
PACKAGE 1 - BUILDING & SITE
ISSUE FOR PERMIT
10/09/20
REVISIONS

15-20102-00
FOUNDATION
PLAN AREAS S &
T

S1.1S

BAA 2020113-20102-00 Lee's Summit Middle School #4 15-20102-00 Lee's Summit Middle School #4_S1_2020.dwg
 10/09/20 10:22:27 AM

BAA 200013-2010000 Lees Summit Middle School #13 20100000 Lees Summit Middle School # 13 20100000
 1/11/2010 2:42:20 PM



FLOOR FRAMING PLAN - AREA A
 SCALE: 1/8" = 1'-0"
 NORTH

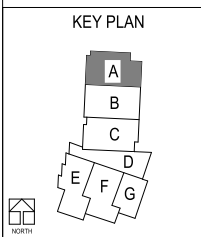
1. BOTTOM FLANGE BRACE PER TYPICAL DETAIL PER 9054.2 AND 9105.
2. ROOF HATCH PER ARCHITECTURAL DRAWINGS PROVIDE 225A.1
3. MECHANICAL LIFT OF MAXIMUM WEIGHT INDICATED. CONFORM WITH MECHANICAL SUPPLIER.
4. DIM EQUIPMENT ALLOWANCES OF HEIGHT INDICATED. CONFORM WEIGHT AND DETAILS WITH ACTUAL EQUIPMENT SELECTED. CONSULT FOR ROOF STRUCTURE IS BY THE DIM EQUIPMENT SUPPLIER.



LEES SUMMIT MIDDLE SCHOOL #4
LEES SUMMIT R7 SCHOOL DISTRICT
 1001 S BAKER ROAD
 LEES SUMMIT, MO 64083

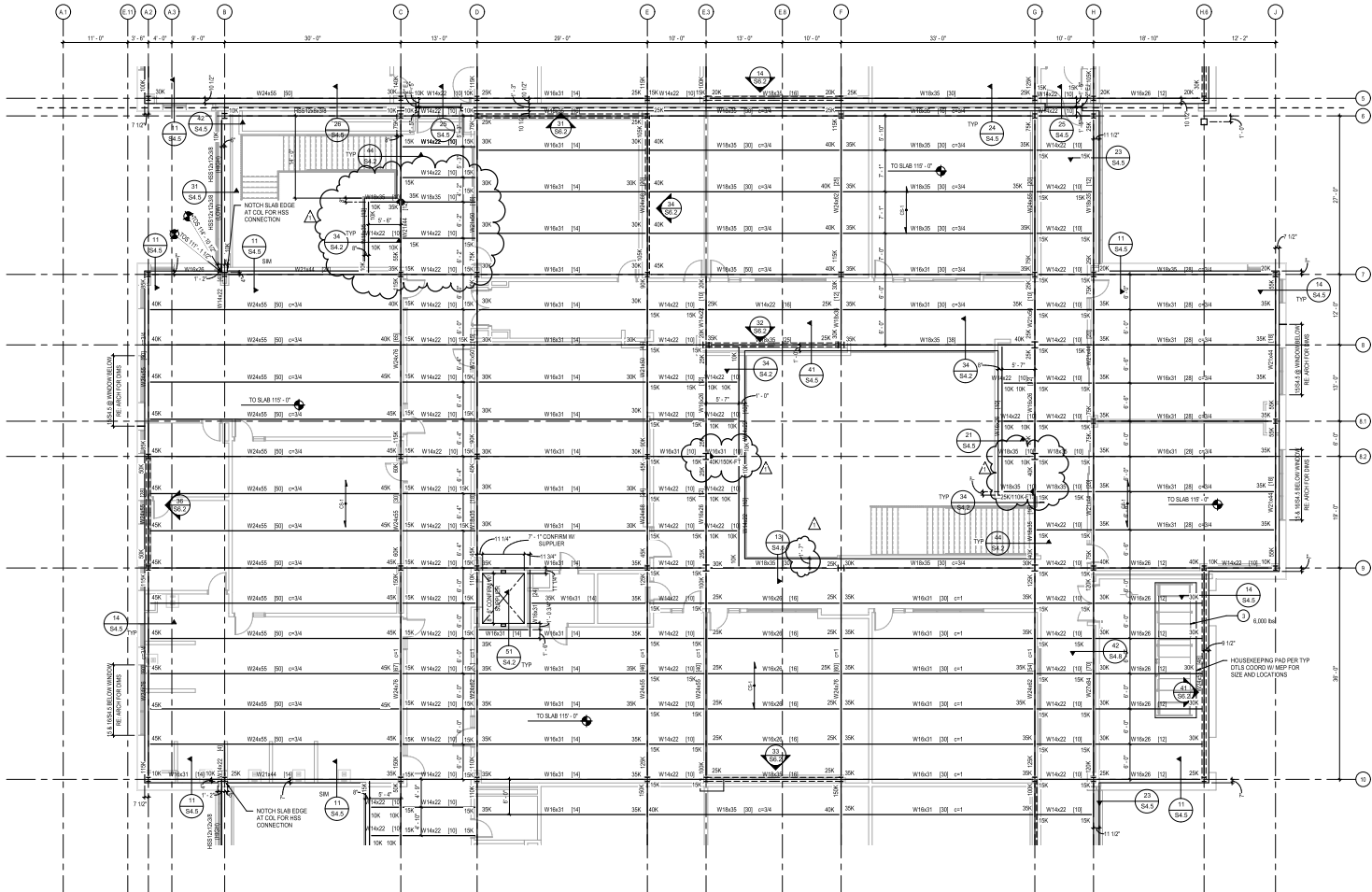
PACKAGE 2 -
 STRUCTURAL & SITE UTILITIES
 ISSUE FOR PERMIT
 8/26/20
 REVISIONS
 1 AB-01 1/26/20

15-201002-00
 FLOOR FRAMING
 PLAN - AREA A



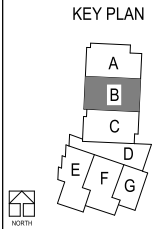
S2.1A

BA 300013-20100-00 Lees Summit Middle School 413-20100-00 Lees Summit Middle School 4_31_2024.rvt
 11/20/2024 4:22:19 PM



FLOOR FRAMING PLAN - AREA B
 SCALE: 1/8" = 1'-0"
 NORTH

1. BOTTOM FLANGE BRACE PER TYPICAL DETAIL PER BEAM JAMB S103.
2. ROOF HATCH PER ARCHITECTURAL DRAWINGS. PROVIDE COVER.
3. MECHANICAL UNIT OF MAXIMUM WEIGHT INDICATED. CONFIRM WITH MECHANICAL SUPPLIER.
4. GYM EQUIPMENT ALLOWANCE OF WEIGHT INDICATED. CONFIRM WEIGHT AND DETAILS WITH ACTUAL EQUIPMENT SELECTED. CONNECTIONS TO ROOF STRUCTURE IS BY THE GYM EQUIPMENT SUPPLIER.



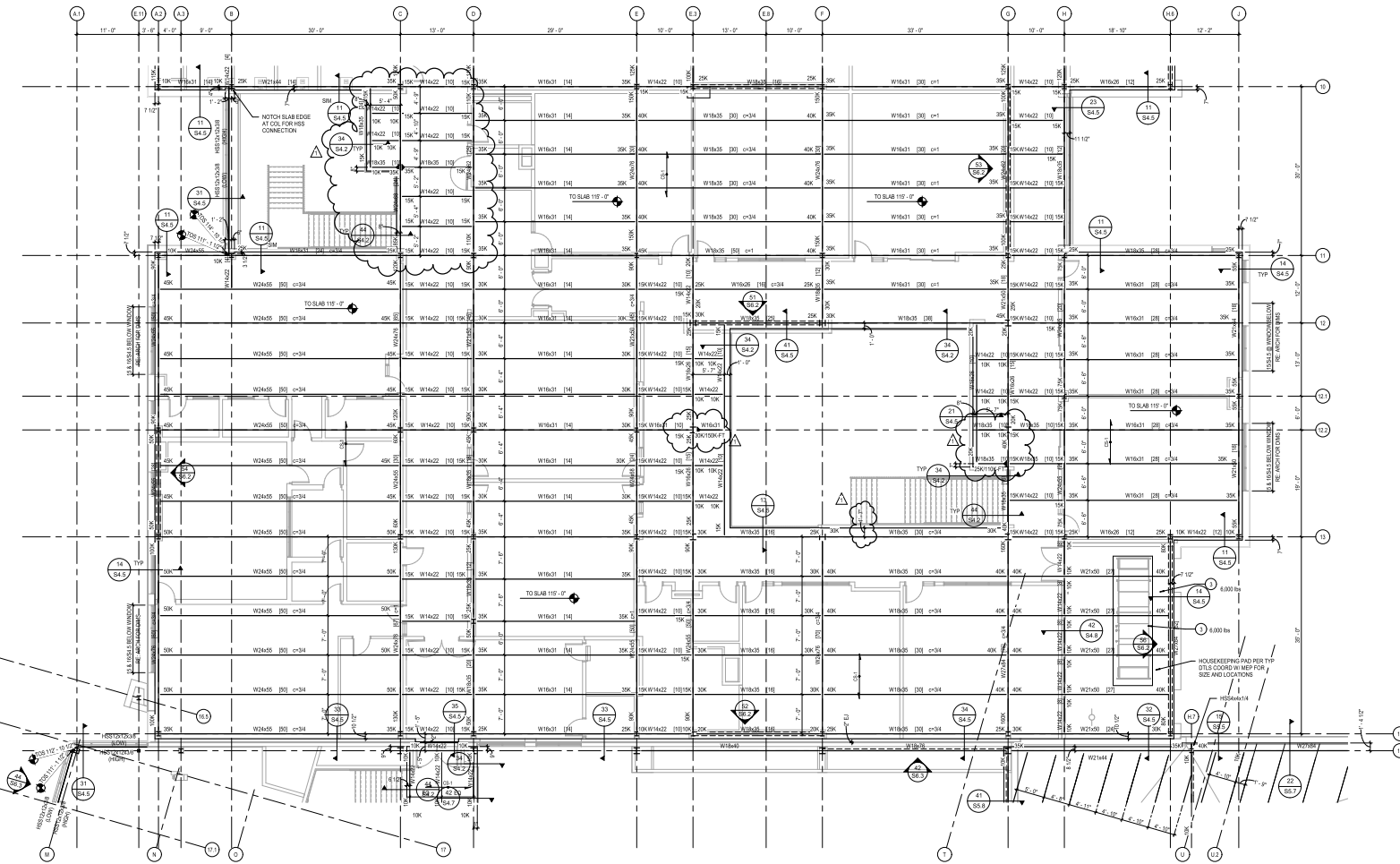
LEE'S SUMMIT MIDDLE SCHOOL #4
 LEE'S SUMMIT R7 SCHOOL DISTRICT

PACKAGE 2 - STRUCTURAL & SITE UTILITIES
 ISSUE FOR PERMIT
 REVISIONS
 1 AB-01 10/03/24

15-201002-00
 FLOOR FRAMING
 PLAN - AREA B

S2.1B

DLR Group
 2500 Drexel
 Kansas City, MO 64108
 816.451.1000
 www.dlr.com



FLOOR FRAMING PLAN - AREA C
SCALE: 1/8" = 1'-0"

1. BOTTOM FLANGE BRACE PER TYPICAL DETAIL PER 905-J AND 518-1
2. ROOF HATCHER ARCHITECTURAL DRAWINGS PROVIDE ZISS-1
3. MECHANICAL UNIT OF MAXIMUM WEIGHT INDICATED, CONFIRM WITH MECHANICAL SUPPLIER
4. EQUIPMENT ALLOWANCE OF WEIGHT INDICATED, CONFIRM WEIGHT AND DETAILS WITH ACTUAL EQUIPMENT SELECTED. CONNECTIONS TO ROOF STRUCTURE IS BY THE GYM EQUIPMENT SUPPLIER.

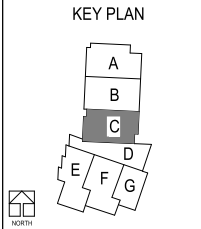


LEE'S SUMMIT MIDDLE SCHOOL #4
LEE'S SUMMIT R7 SCHOOL DISTRICT

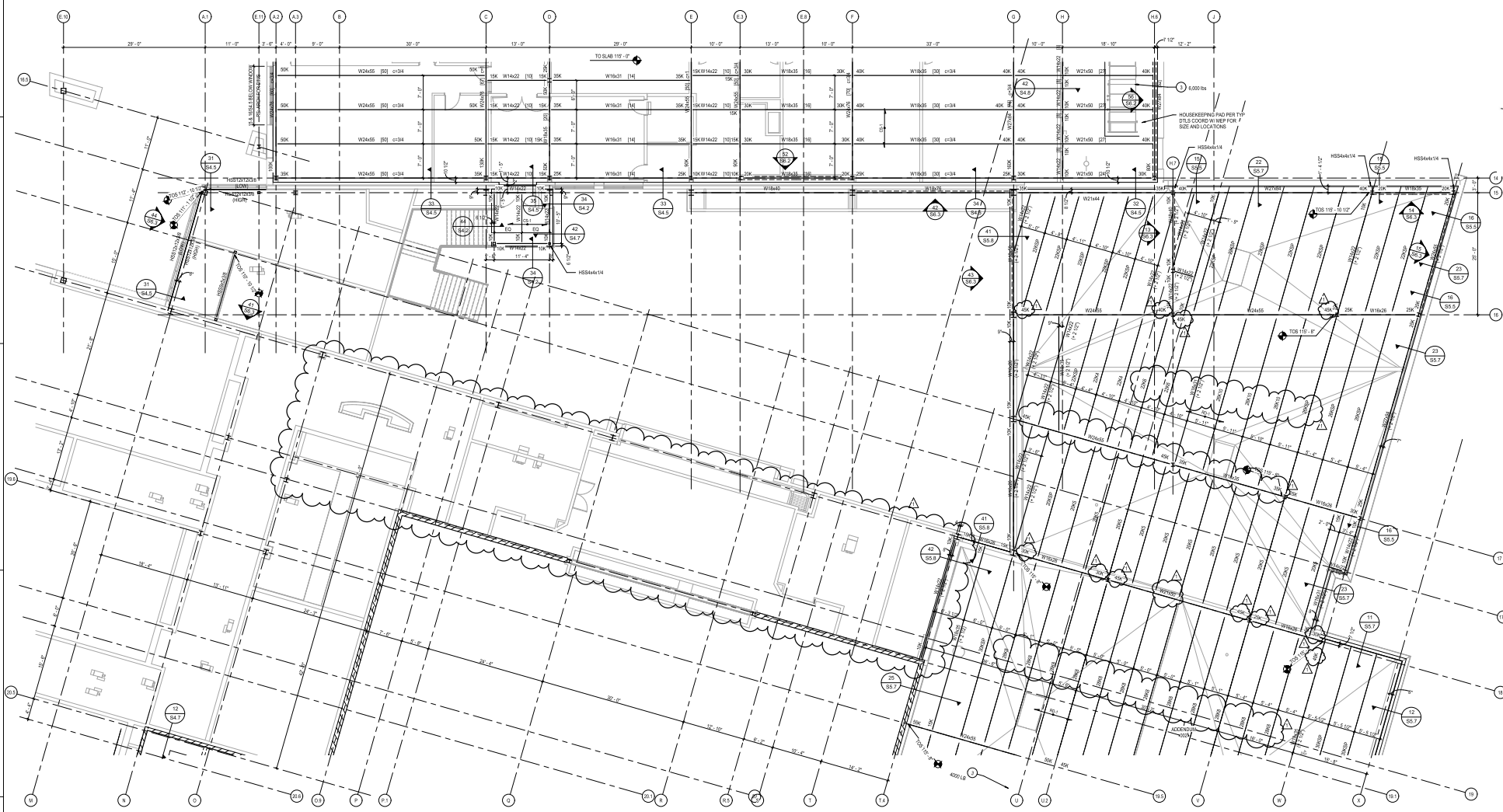
PACKAGE 2 -
STRUCTURAL & UTILITIES
ISSUE FOR PERMIT
REVISIONS
1 AB-01 1/26/20

15-201002-00
FLOOR FRAMING
PLAN - AREA C

S2.1C



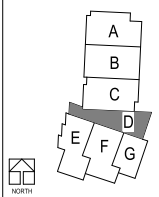
BAA 2020113-201002-00 Lees Summit Middle School #4 15-201002-00 Lees Summit Middle School #4 ST_2020113
 1/26/20 2:22:27 PM



FLOOR FRAMING PLAN - AREA D
 SCALE: 1/8" = 1'-0"

1. BOTTOM FLANGE BRACE PER TYPICAL DETAIL PER 2005-L AND 2005-11
2. ROOF HATCH PER ARCHITECTURAL DRAWINGS, PROVIDE DEETS.
3. MECHANICAL UNIT OF MAXIMUM WEIGHT INDICATED, CONFIRM WITH MECHANICAL SUPPLIER.
4. OWN EQUIPMENT ALLOWANCE OF WEIGHT INDICATED, CONFIRM WEIGHT AND DETAILS WITH ACTUAL EQUIPMENT SELECTED, CONNECTIONS TO ROOF STRUCTURE IS BY THE OWN EQUIPMENT SUPPLIER.

KEY PLAN

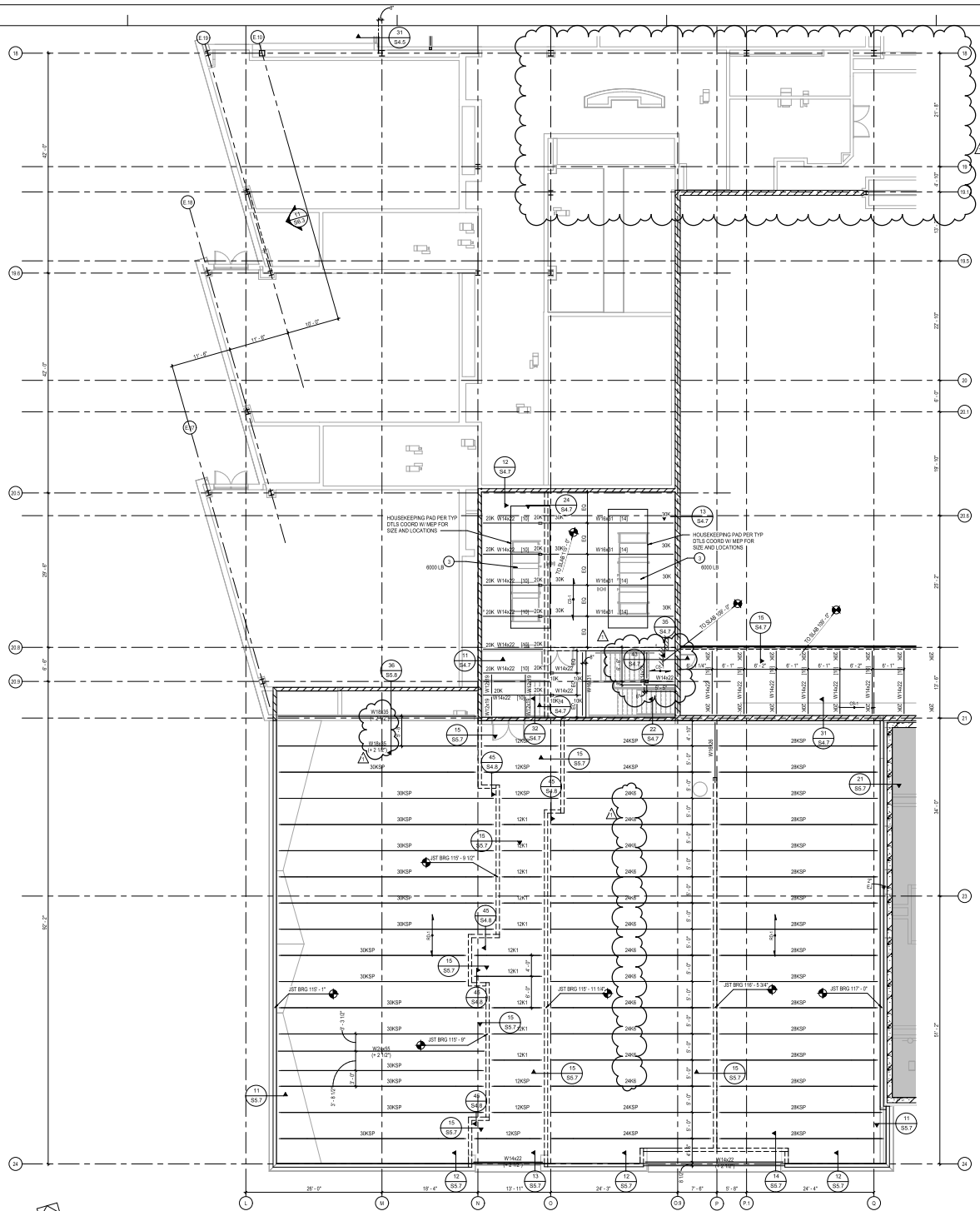


LEE'S SUMMIT MIDDLE SCHOOL #4
 LEE'S SUMMIT R7 SCHOOL DISTRICT

PACKAGE 3 - BUILDING SITE
 ISSUE FOR PERMIT
 10/09/09
 REVISIONS
 1. APPROVED 12/15/10

12-201010-00
 LOW ROOF
 FRAMING PLAN -
 AREA D
S2.1D

BA 100113-101000 Lee's Summit Middle School #4 13-2010-00 Lee's Summit Middle School #4_S1_2010.rvt
10/14/2010 11:13:54 AM



FLOOR FRAMING PLAN - AREA E
SCALE: 1/8" = 1'-0"

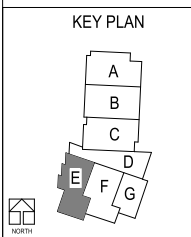
- 1 BOTTOM FLANGE BRACE PER TYPICAL DETAIL PER 50542 AND 51551
- 2 ROOF HATCH PER ARCHITECTURAL DRAWINGS. PROVIDE LIGES.
- 3 MECHANICAL UNIT OF AMOUNT WEIGHT INDICATED. CONFORM WITH MECHANICAL SUPPLIER.
- 4 MECHANICAL EQUIPMENT ALLOWANCE OF WEIGHT INDICATED. CONFORM WITH MECHANICAL SUPPLIER. EQUIPMENT WEIGHT ALLOWANCE SHALL WITH ACTUAL EQUIPMENT SELECTED. CONNECT TO ROOF STRUCTURE BY THE OWM EQUIPMENT SUPPLIER.

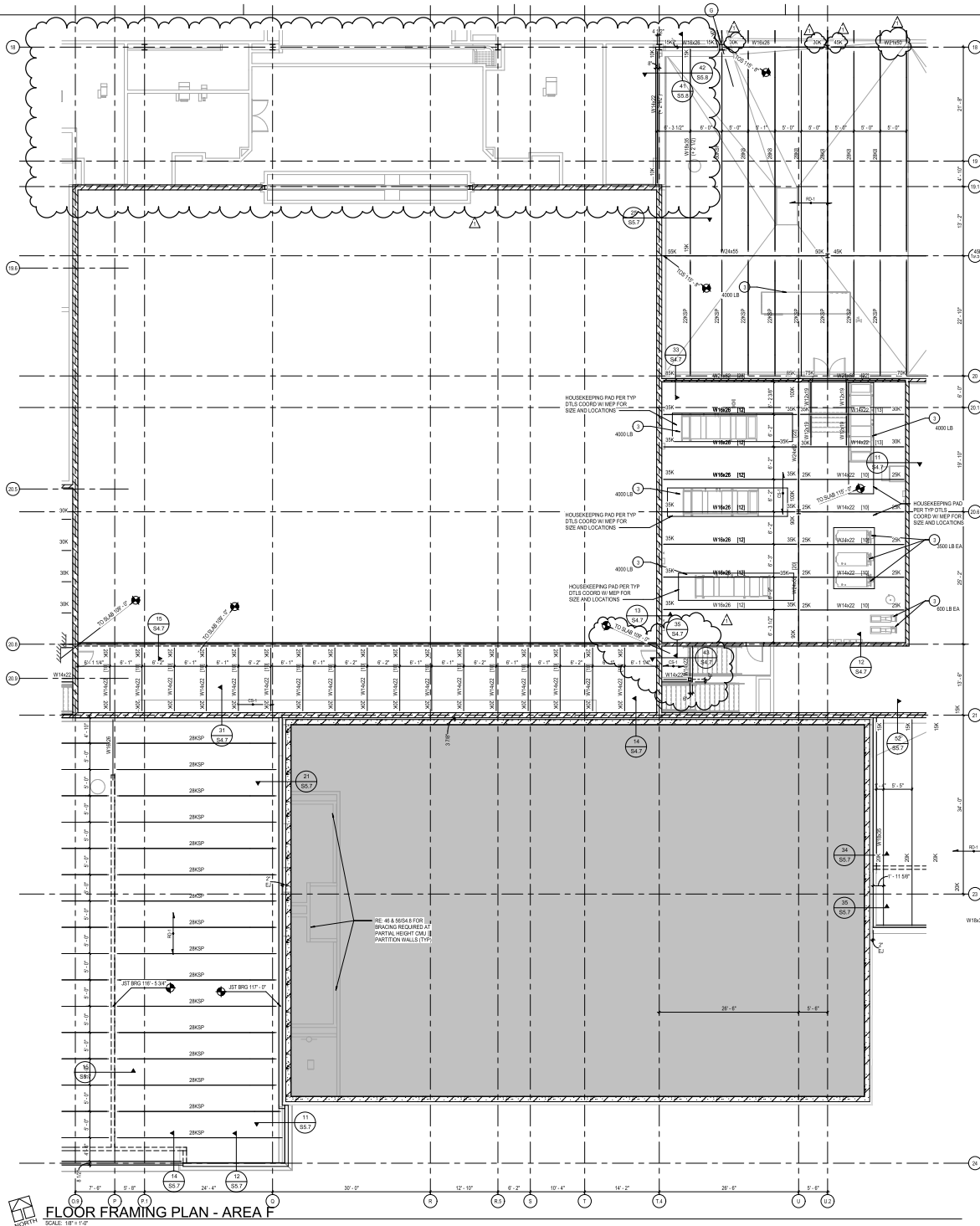


LEE'S SUMMIT MIDDLE SCHOOL #4
LEE'S SUMMIT R7 SCHOOL DISTRICT
10019920
10/14/2010

PACKAGE 3 - BUILDING & SITE
ISSUE FOR PERMIT
10/14/2010
REVISIONS
1 ANNOTATION 10/14/2010

13-201002-00
FLOOR AND LOW ROOF FRAMING PLAN - AREA E
S2.1E





FLOOR FRAMING PLAN - AREA F
SCALE: 1/8" = 1'-0"

- 1 BOTTOM FLANGE BRACE PER TYPICAL DETAIL PER BEAM AND STORY
- 2 ROOF HATCH PER ARCHITECTURAL DRAWINGS. PROVIDE 200#
- 3 MECHANICAL UNIT OF MAXIMUM WEIGHT INDICATED. CONFIRM WITH MECHANICAL SUPPLIER.
- 4 GYM EQUIPMENT ALLOWANCE OF WEIGHT INDICATED. CONFIRM WEIGHT AND DETAILS WITH ACTUAL EQUIPMENT SELECTED. CONNECTIONS TO ROOF STRUCTURE IS BY THE GYM EQUIPMENT SUPPLIER.



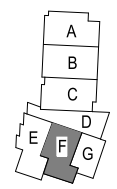
LEE'S SUMMIT MIDDLE SCHOOL #4
LEE'S SUMMIT R7 SCHOOL DISTRICT
1000 S. BAKER ROAD
LEE'S SUMMIT, MO 64086

PACKAGE 3 - BUILDING & SITE
ISSUE FOR PERMIT
10/09/20
REVISIONS
1 ANNOTATION 10/19/20

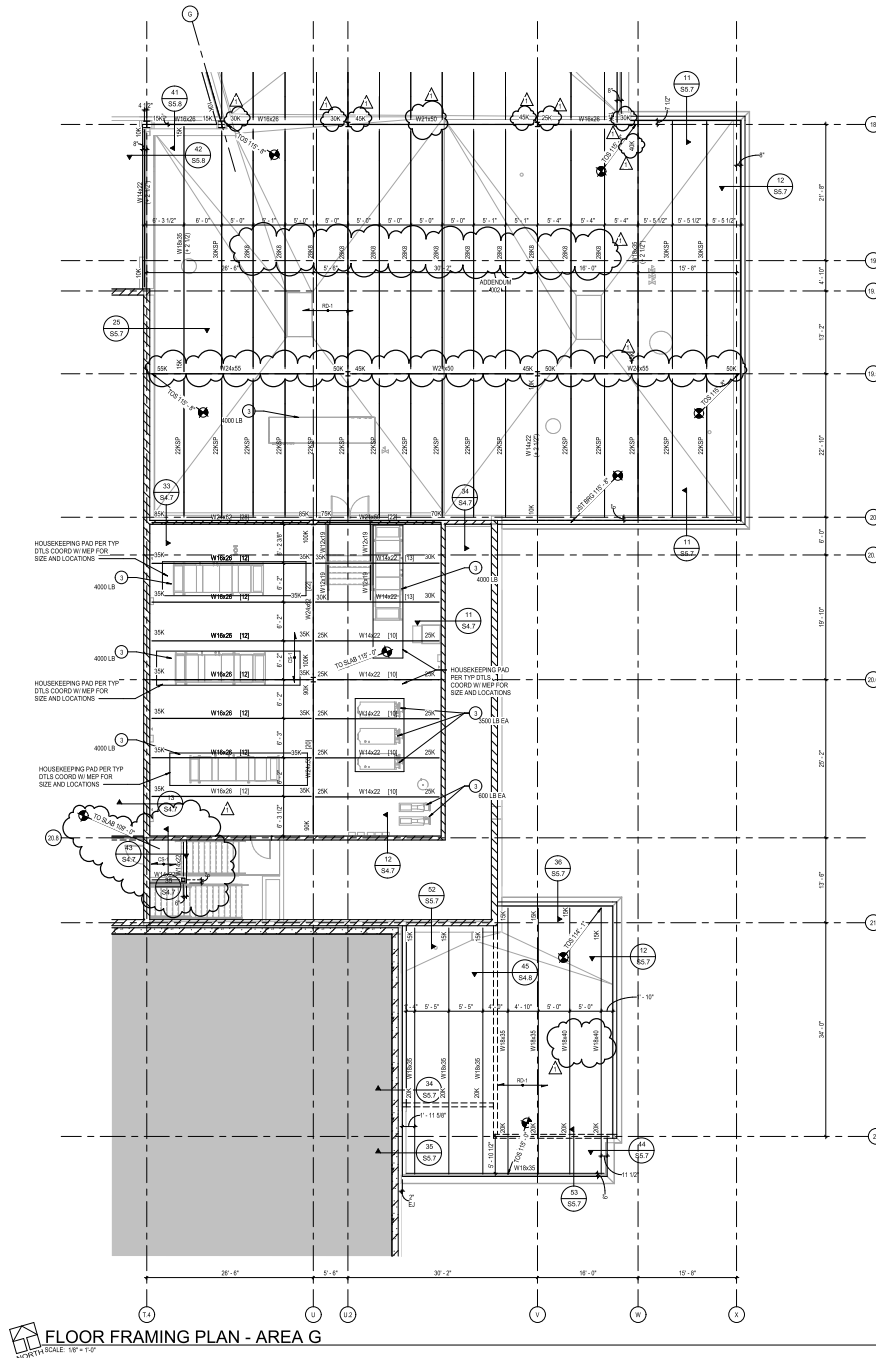
15-20102-00
FLOOR AND LOW ROOF FRAMING PLAN - AREA F

S2.1F

KEY PLAN



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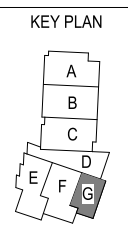
FLOOR FRAMING PLAN - AREA G
 NORTH SCALE 1/8" = 1'-0"

1. BOTTOM FLANGE BRACE PER TYPICAL DETAIL PER SECS 2 AND 315S 1
2. ROOF PITCH PER ARCHITECTURAL DRAWINGS. PROVIDE JOIST
3. MECHANICAL LIMIT OF MAXIMUM WEIGHT INDICATED. CONFIRM WITH MECHANICAL SUPPLIER.
4. JOIST/EQUIPMENT ALLOWANCE OR WEIGHT INDICATED. CONFIRM WEIGHT AND DETAILS WITH ACTUAL EQUIPMENT SELECTED. CONNECTIONS TO ROOF STRUCTURE IS BY THE GYM EQUIPMENT SUPPLIER.

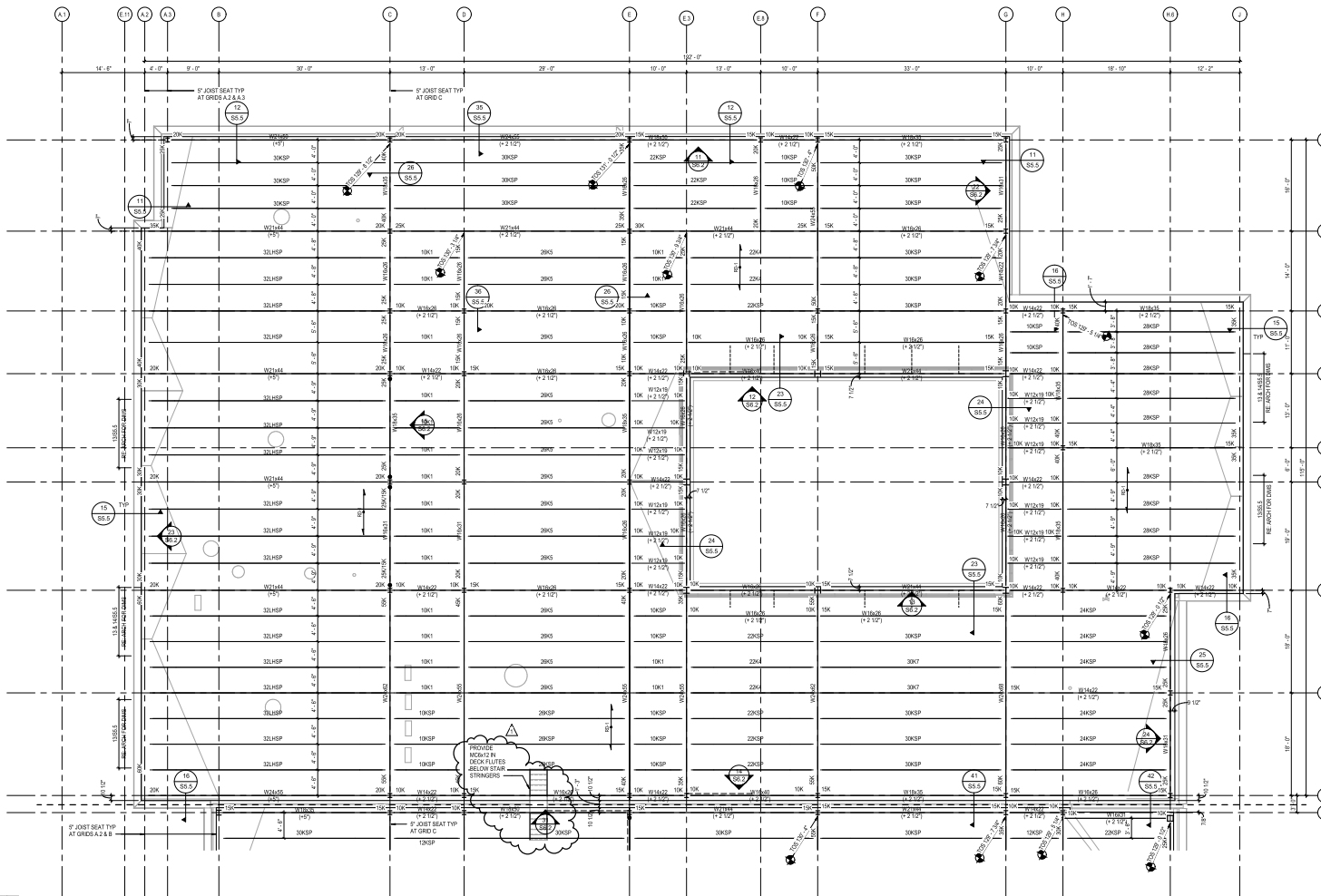
DLR Group
 8100 County
 Lee's Summit, MO 64086
 816.488.1000
 www.dlr.com

LEE'S SUMMIT MIDDLE SCHOOL #4
 LEE'S SUMMIT R7 SCHOOL DISTRICT
 1510100-00
 FLOOR AND LOW ROOF FRAMING PLAN - AREA G
 S2.1G

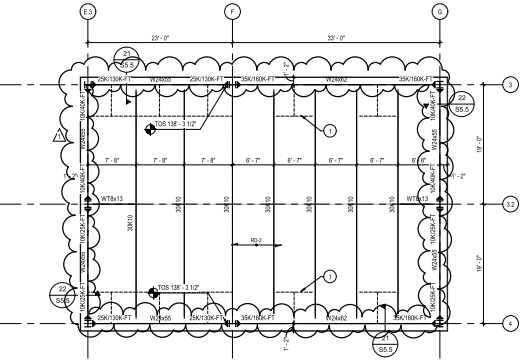
PACKAGE 3 - BUILDING SITE
 - ISSUE FOR PERMIT
 10/09/20
 REVISIONS
 1. APPROVAL 02/13/20



15-201002-00
 FLOOR AND LOW ROOF FRAMING PLAN - AREA G
 S2.1G



ROOF FRAMING PLAN - AREA A
SCALE: 1/8" = 1'-0"



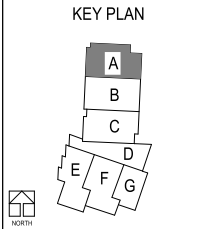
CLERESTOREY ROOF FRAMING PLAN - AREA A
SCALE: 1/8" = 1'-0"

1. BOTTOM FLANGE BRACE PER TYPICAL DETAIL PER RS&Z AND S16.1
2. ROOF HATCH PER ARCHITECTURAL DRAWINGS. PROVIDE 20S.1
3. MECHANICAL UNIT OF MOMENT WEIGHT INDICATED. COORDINATE WITH MECHANICAL SUPPLIER.
4. CIVIL EQUIPMENT ALLOWANCE OF WEIGHT INDICATED. COORDINATE WEIGHT AND DETAILS WITH ACTUAL EQUIPMENT SELECTED. CONNECTIONS TO ROOF STRUCTURE BY THE CIVIL EQUIPMENT SUPPLIER.



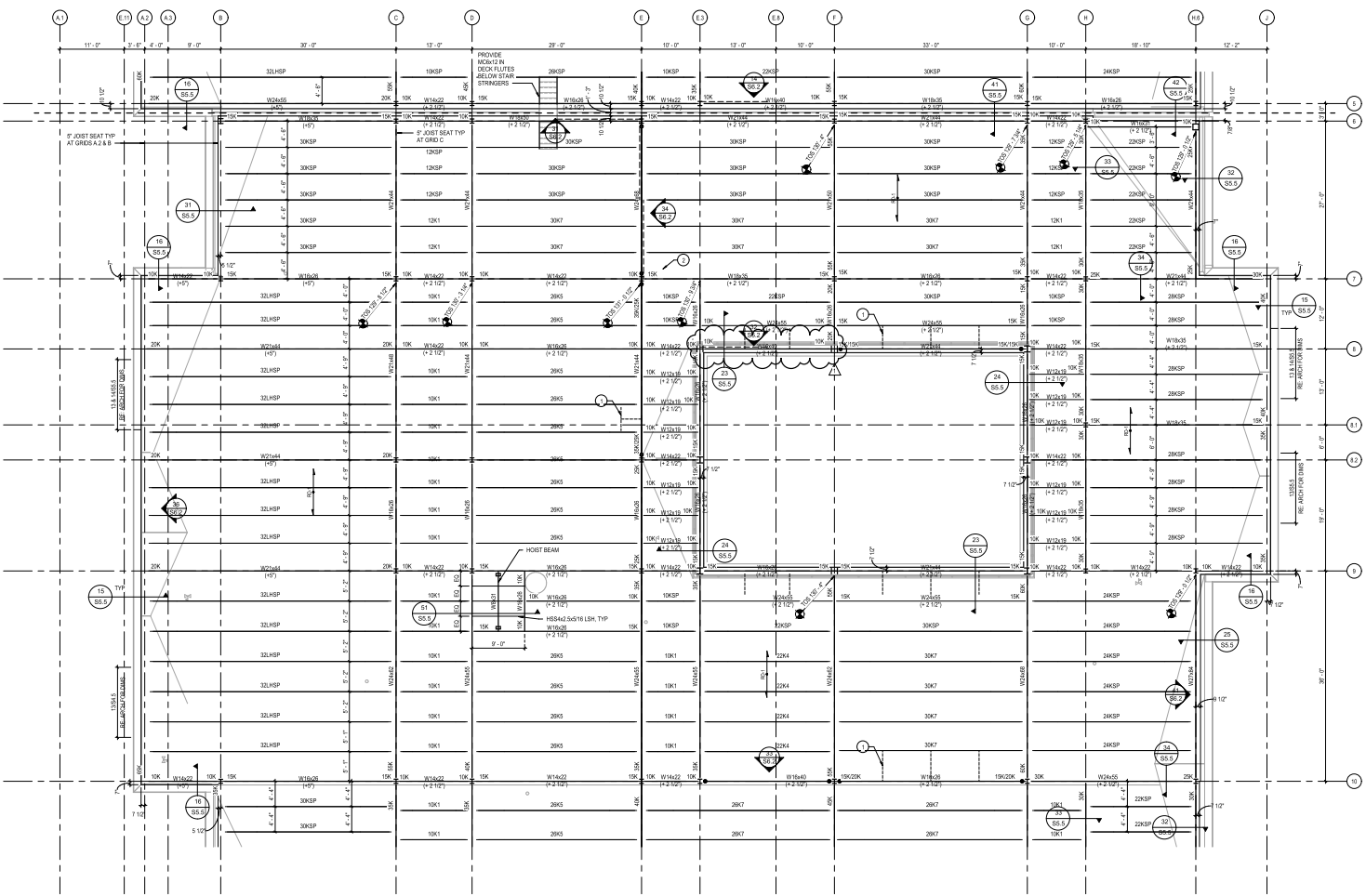
LEE'S SUMMIT MIDDLE SCHOOL #4
LEE'S SUMMIT R7 SCHOOL DISTRICT
ISSUE DATE: 10/20/20
10/20/20

PACKAGE 2 - STRUCTURAL & SITE UTILITIES
ISSUE FOR PERMIT
REVISIONS
1 AB-01 10/20/20

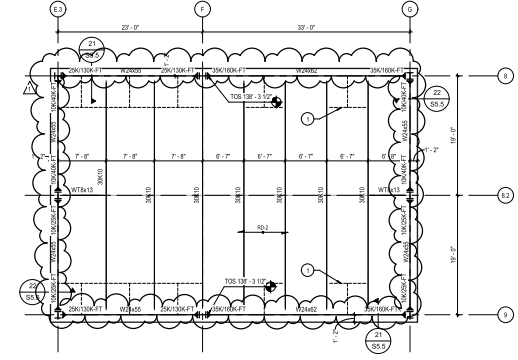


15-20102-00
ROOF FRAMING PLAN - AREA A
S2.2A

BAA 202011-20102-00, Lees Summit Middle School #4 15-20102-00, Lees Summit Middle School #4, S2.2020A1
 10/20/20 2:24 PM



ROOF FRAMING PLAN - AREA B
SCALE: 1/8" = 1'-0"



CLERESTORY ROOF FRAMING PLAN - AREA B
SCALE: 1/8" = 1'-0"

- 1 BOTTOM FLANGE BRACE PER TYPICAL PER 5684.2 AND 5165.1
- 2 ROOF FINISHER ARCHITECTURAL DRAWINGS PROVIDE 2355.1
- 3 MECHANICAL UNIT OF MAXIMUM WEIGHT INDICATED. CONFIRM WITH MECHANICAL SUPPLIER.
- 4 GYM EQUIPMENT ALLOWANCE OF WEIGHT INDICATED. CONFIRM WEIGHT AND STRAIGHT WITH ACTUAL EQUIPMENT SELECTED. CONNECTION TO ROOF STRUCTURE BY THE GYM EQUIPMENT SUPPLIER.



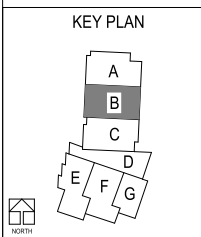
LEE'S SUMMIT MIDDLE SCHOOL #4
LEE'S SUMMIT R7 SCHOOL DISTRICT

PACKAGE 2 - STRUCTURAL & SITE UTILITIES
ISSUE FOR PERMIT

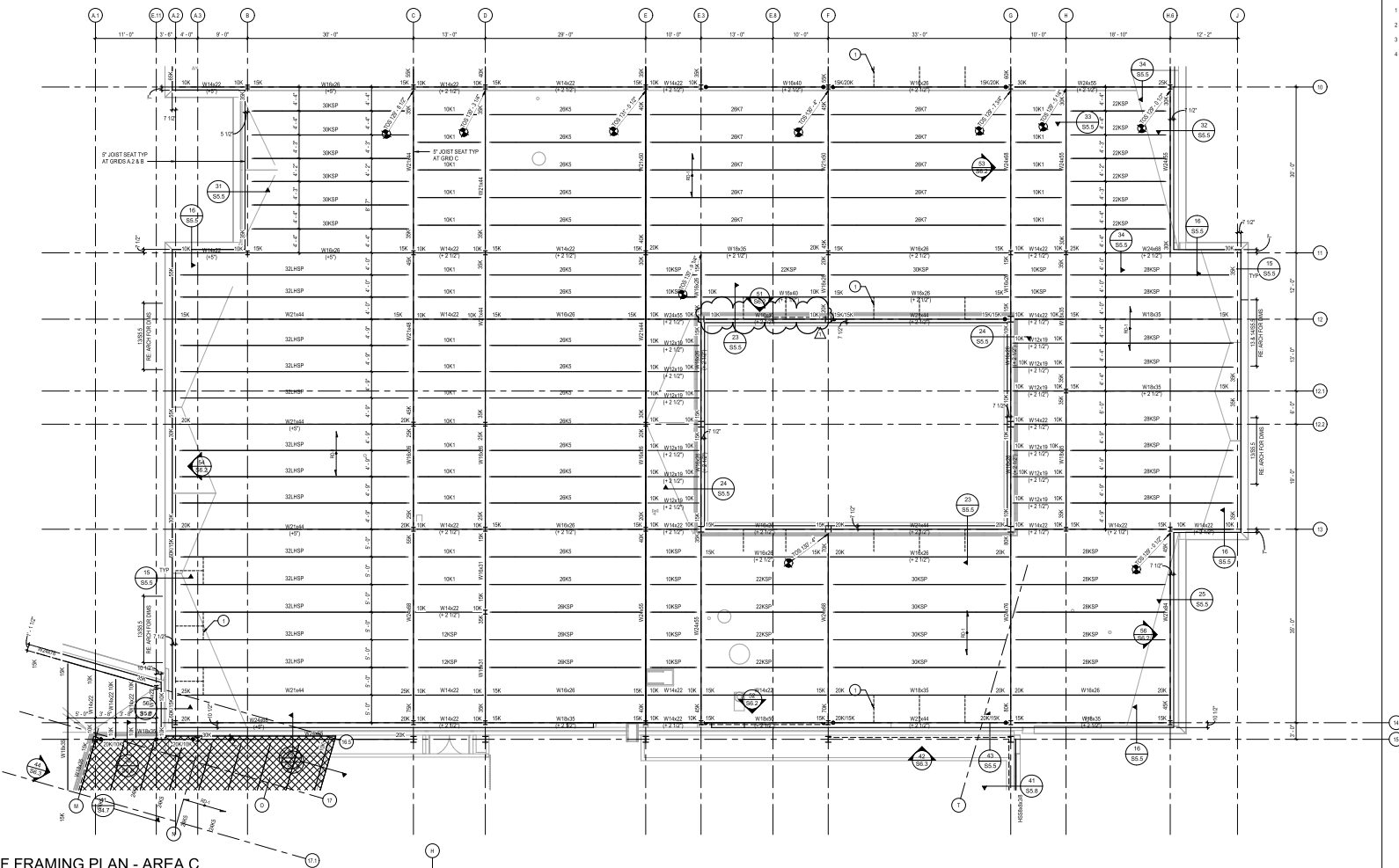
REVISIONS
1 AB-01 1/26/20

15-201010-00
ROOF FRAMING PLAN - AREA B

S2.2B



BAA 2020113-201010-00 Lee's Summit Middle School #4 15-201010-00 Lee's Summit Middle School #4 S2.202014
 UNIVERSITY MICROFILMS



- 1 BOTTOM FLANGE BRACE PER TYPICAL DETAIL PER SPEC AND S2.1
- 2 ROOF HATCH PER ARCHITECTURAL DRAWINGS. PROVIDE S2.1
- 3 MECHANICAL UNIT OF MAXIMUM WEIGHT INDICATED. COORDINATE WITH MECHANICAL SUPPLIER.
- 4 GYM EQUIPMENT ALLOWANCE OF WEIGHT INDICATED. COORDINATE WITH MECHANICAL SUPPLIER.



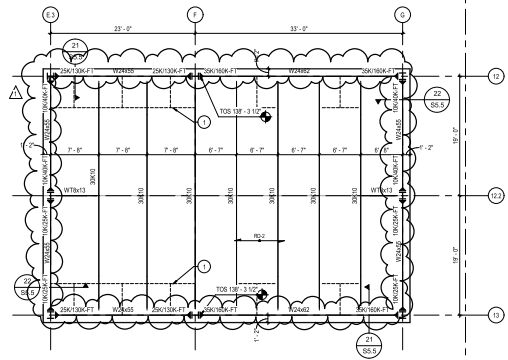
LEE'S SUMMIT MIDDLE SCHOOL #4
LEE'S SUMMIT R7 SCHOOL DISTRICT
15-00102-00

PACKAGE 2 - STRUCTURAL & SITE UTILITIES
ISSUE FOR PERMIT
REVISED
1 15-01 15/03/20

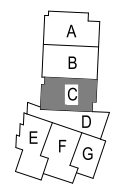
ROOF FRAMING PLAN - AREA C

S2.2C

ROOF FRAMING PLAN - AREA C
SCALE: 1/8" = 1'-0"



KEY PLAN

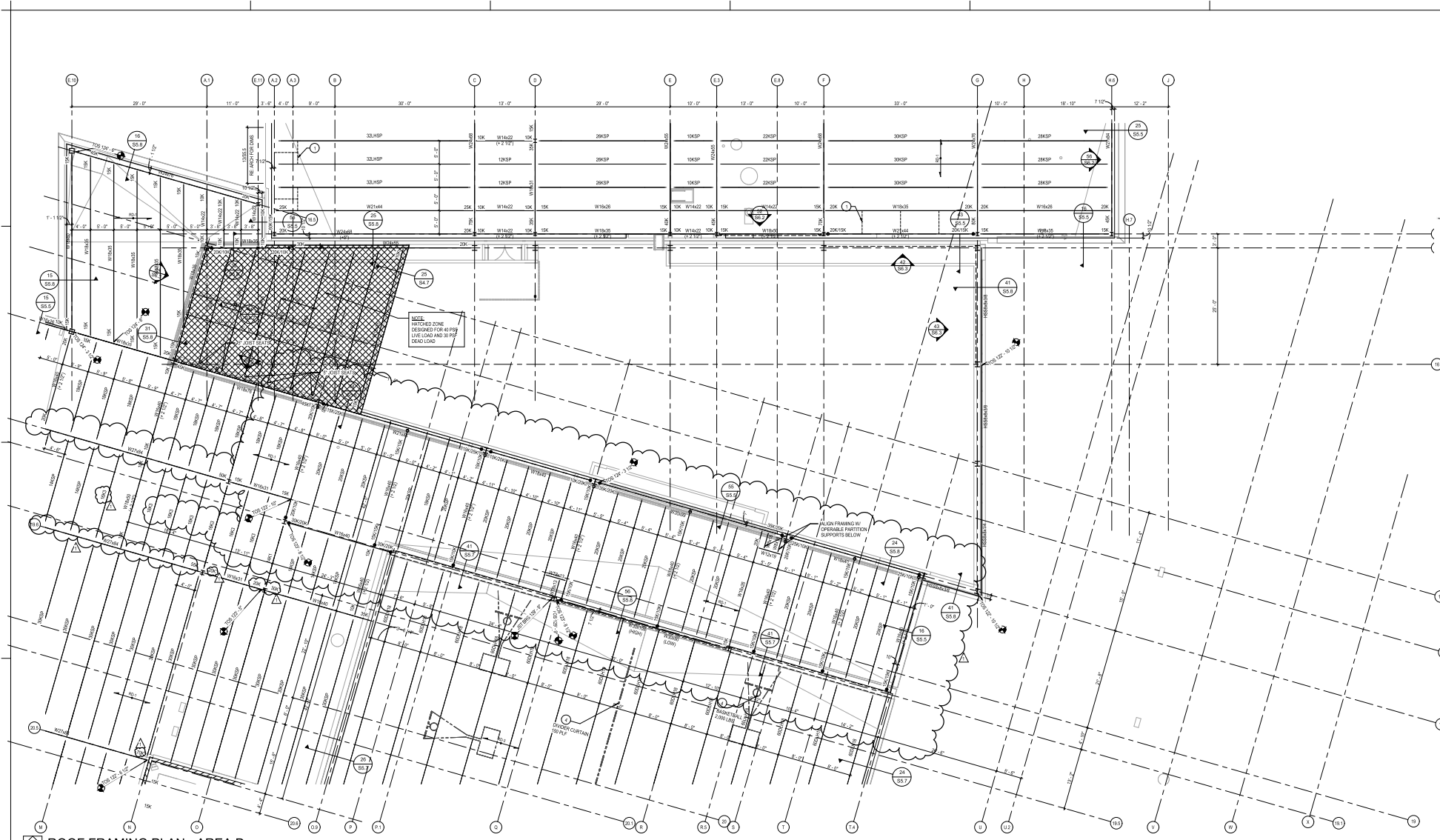


CLERESTORY ROOF FRAMING PLAN - AREA C
SCALE: 1/8" = 1'-0"

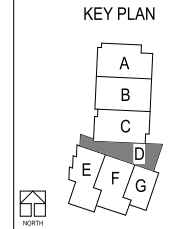
15-00102-00 LEE'S SUMMIT MIDDLE SCHOOL #4 15-00102-00 LEE'S SUMMIT MIDDLE SCHOOL #4 S2.2C 2015/03/20
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BA 202013-201000 Lee's Summit Middle School #13 201000-00, Lee's Summit Middle School # 13, 2020/01/13
UNAPPROVED 11/13/19 AM

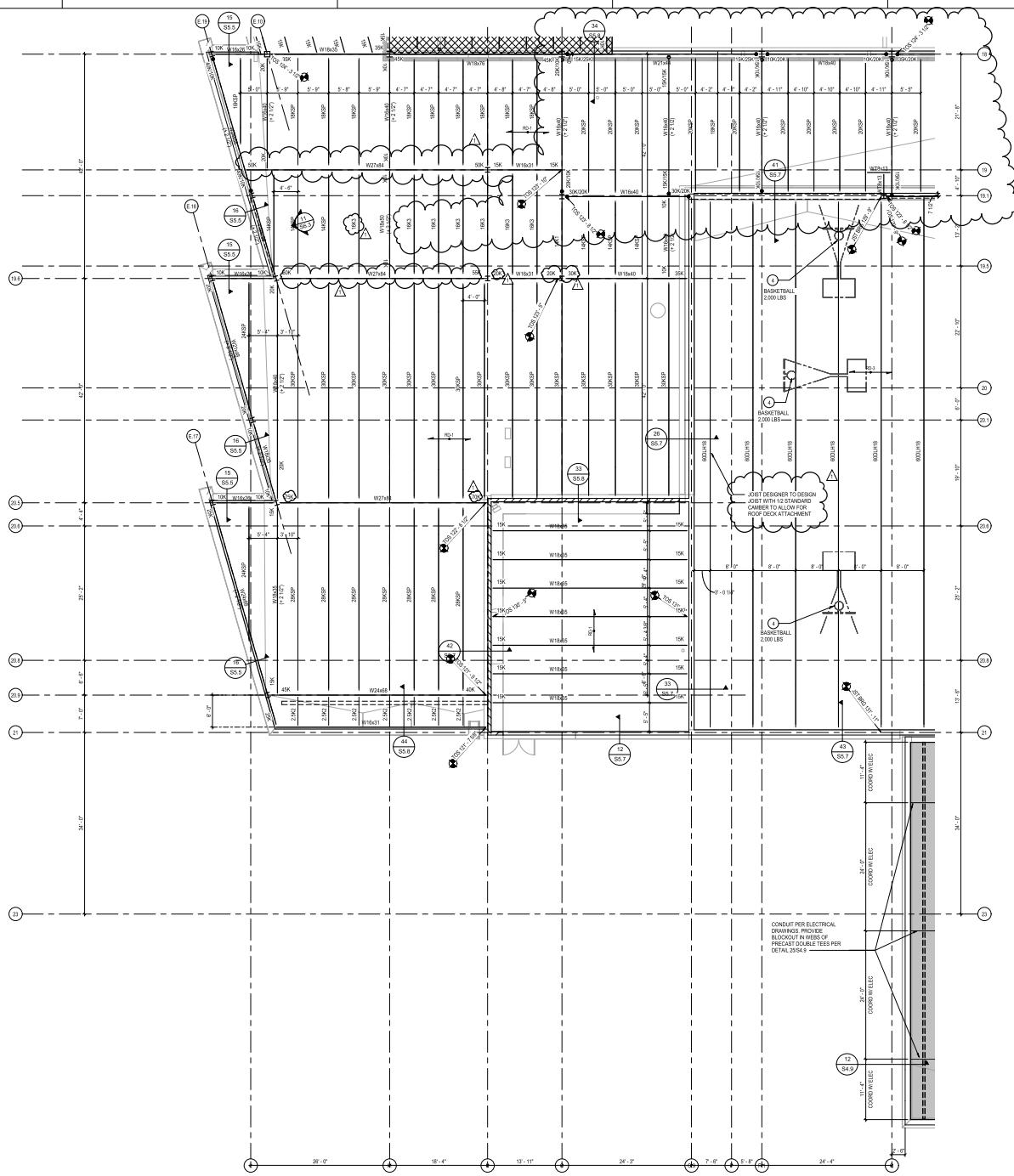
ROOF FRAMING PLAN - AREA D
SCALE: 1/8" = 1'-0"



1. BOTTOM FLANGE BRACE PER TYPICAL DETAIL PER 5054.2 AND 5155.1
2. ROOF HATCH PER ARCHITECTURAL DRAWINGS. PROVIDE 2385.1
3. MECHANICAL LINE OF MARKING WEIGHT INDICATED. CONFORM WITH MECHANICAL SUPPLIER.
4. GYM EQUIPMENT ALLOWANCE OF HEIGHT INDICATED. CONFORM WEIGHT AND DETAILS WITH ACTUAL EQUIPMENT SELECTED. CONNECTORS TO ROOF STRUCTURE BY THE GYM EQUIPMENT SUPPLIER.



BA 200913-201000 - Lees Summit Middle School #43-201000-00 - Lees Summit Middle School # 43 - 201000-00
 1/14/2020 11:13:27 AM

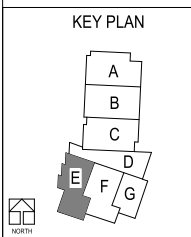


ROOF FRAMING PLAN - AREA E
 SCALE: 1/8" = 1'-0"

- 1 BOTTOM FLANGE BRACE PER TYPICAL DETAIL PER SPEC. AND 105.1
- 2 ROOF HATCH PER ARCHITECTURAL DRAWINGS. PROVIDE SIZES
- 3 MECHANICAL UNIT OF MAXIMUM WEIGHT INDICATED. CONFIRM WITH MECHANICAL SUPPLIER
- 4 GIVE EQUIPMENT ALLOWANCE OF WEIGHT INDICATED. CONFIRM HEIGHT AND DETAILS WITH ACTUAL EQUIPMENT SELECTED. CONNECT TO ROOF STRUCTURE PER THE GYM EQUIPMENT SUPPLIER.

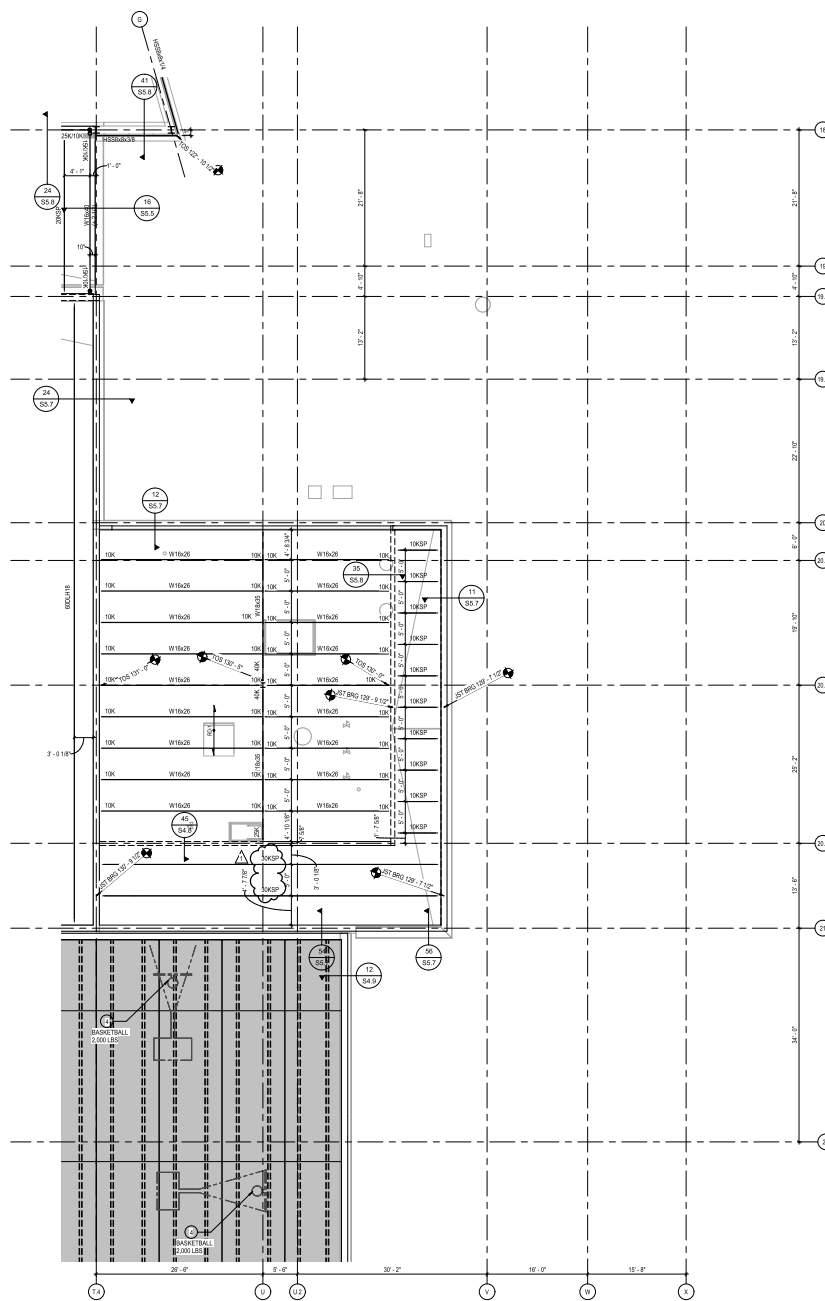


LEE'S SUMMIT MIDDLE SCHOOL #4
 LEE'S SUMMIT R7 SCHOOL DISTRICT
 15-201000-00
 PACKAGE 3 - BUILDING & SITE
 ISSUE FOR PERMIT
 10/09/20
 REVISIONS
 1 A052004/02 10/19/20



15-201000-00
 ROOF FRAMING
 PLAN - AREA E
 S2.2E

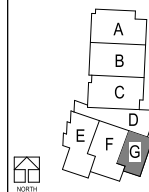
BA 30043-20100-00, Lees Summit Middle School #13 20100-00, Lees Summit Middle School #5, 5/7/2020/41
 1/14/2020 11:48:47 AM



ROOF FRAMING PLAN - AREA G
 SCALE: 1/8" = 1'-0"

- 1 BOTTOM FLANGE BRACE PER TYPICAL DETAIL PER S22.2 AND S155.1
- 2 ROOF HATCH PER ARCHITECTURAL DRAWINGS, PROVIDE JOIST
- 3 MECHANICAL UNIT OF MAXIMUM HEIGHT INDICATED, CONFIRM WITH MECHANICAL SUPPLIER
- 4 ONE EQUIPMENT ALLOWANCE OR HEIGHT INDICATED, CONFIRM HEIGHT AND DETAILS WITH ACTUAL EQUIPMENT SELECTED. CONNECTION TO ROOF STRUCTURE IS BY THE O/M EQUIPMENT SUPPLIER.

KEY PLAN



LEE'S SUMMIT MIDDLE SCHOOL #4

LEE'S SUMMIT R7 SCHOOL DISTRICT

10/15/2019 10:48:47 AM
 LEES SUMMIT, MO 64081

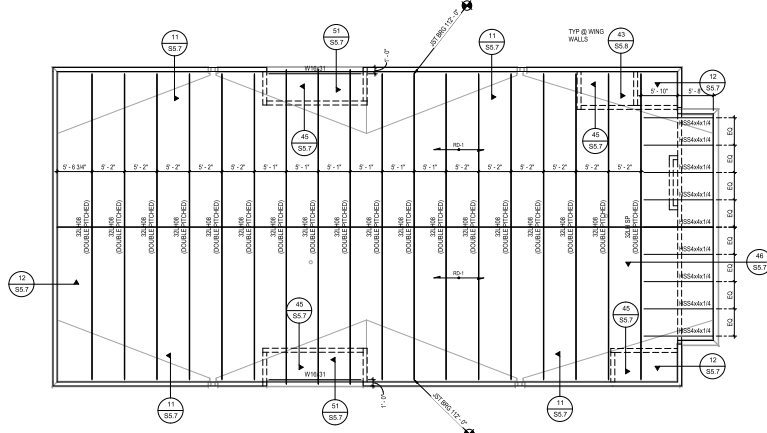
PACKAGE 3 - BUILDING & SITE
 - ISSUE FOR PERMIT
 10/15/2019
 REVISIONS
 1 ADDENDUM 02 10/15/20

15-201102-00
ROOF FRAMING PLAN - AREA G

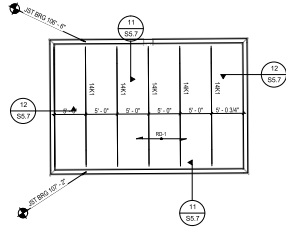
S2.2G



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 Fax: 314.481.1101
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ROOF FRAMING PLAN - AREA S
 SCALE: 1/8" = 1'-0"
 NORTH



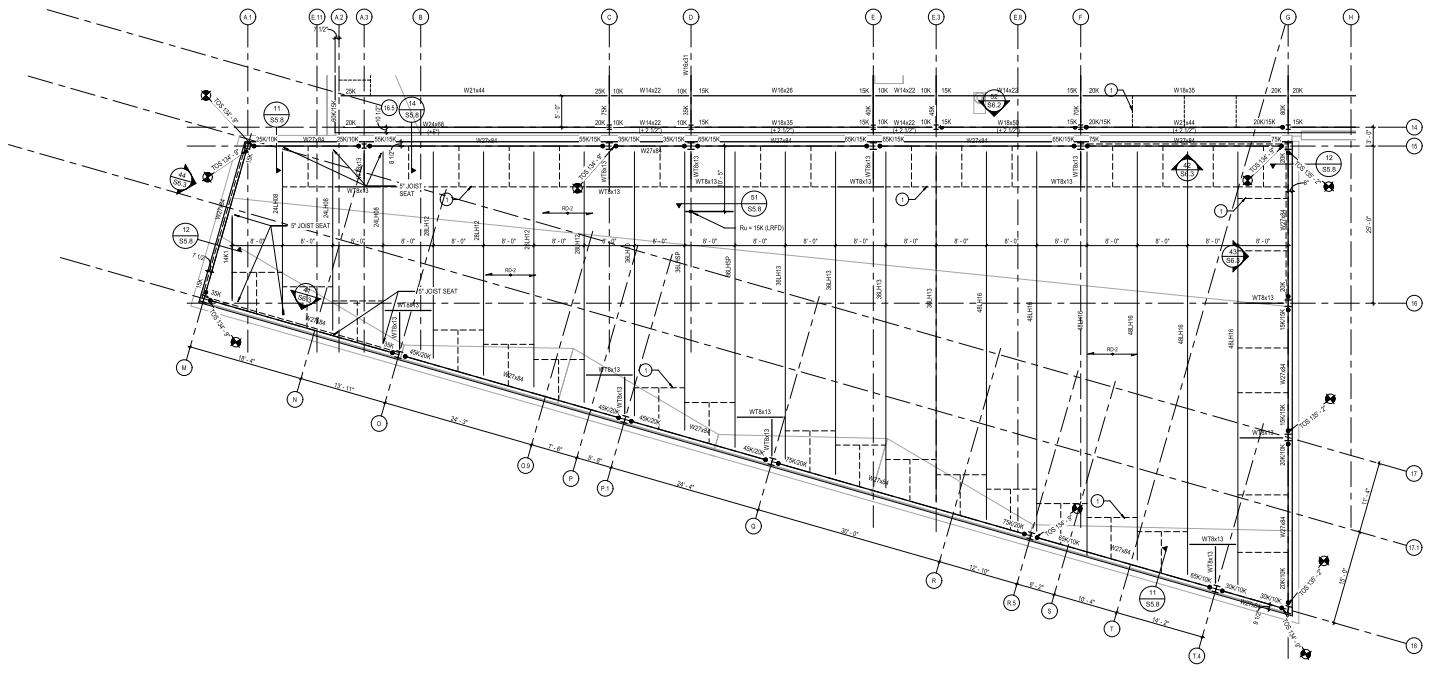
ROOF FRAMING PLAN - AREA T
 SCALE: 1/8" = 1'-0"
 NORTH

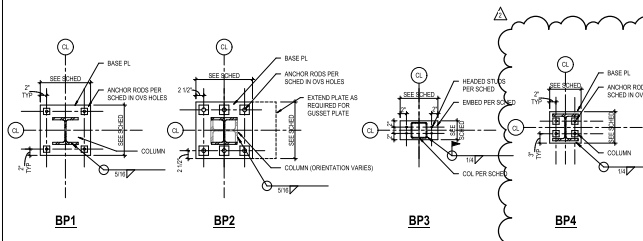
1. BOTTOM FLANGE BRACE PER TYPICAL DETAIL PER 3053A (REF 13-1051)
2. ROOF HATCH PER ARCHITECTURAL DRAWINGS. PROVIDE 2355.1
3. MECHANICAL LIMIT OF MAXIMUM WEIGHT INDICATED. CLIPPING WITH MECHANICAL SUPPLIER.
4. GYM EQUIPMENT ALLOWANCE OF WEIGHT INDICATED. CLIPPING HEIGHT AND SIZE SHALL BEY ACTUAL EQUIPMENT SELECTED. CONNECTIONS TO ROOF STRUCTURE IS BY THE GYM EQUIPMENT SUPPLIER.



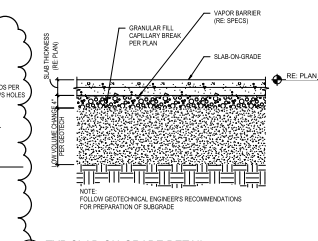


ROOF FRAMING PLAN - AREA D
 SCALE: 1/8" = 1'-0"
 NORTH

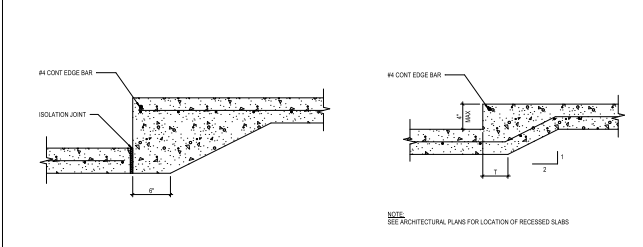




31 COLUMN BASE PLATE DETAILS
SCALE: 3/4" = 1'-0"

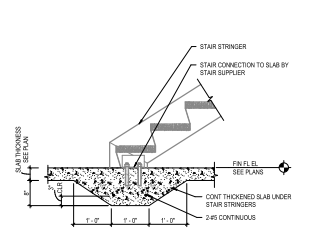


32 TYP SLAB-ON-GRADE DETAIL
SCALE: 3/4" = 1'-0"

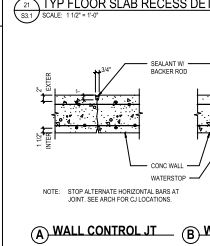


33 TYP FLOOR SLAB RECESS DETAIL
SCALE: 1 1/2" = 1'-0"

34 TYP FLOOR SLAB RECESS DETAIL
SCALE: 1 1/2" = 1'-0"

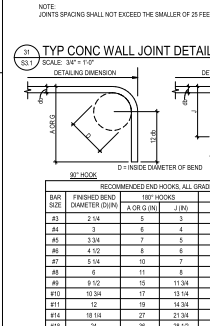


35 TYP STRINGER FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"

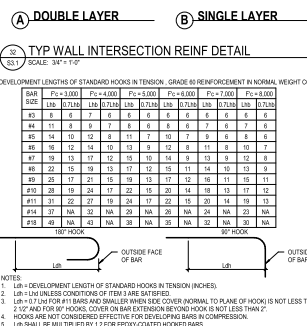


36 WALL CONTROL JT
SCALE: 3/4" = 1'-0"

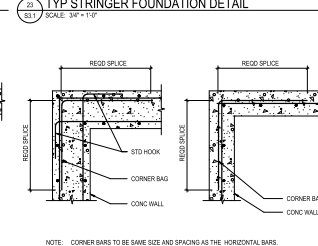
37 WALL CONST JT
SCALE: 3/4" = 1'-0"



38 TYP CONC WALL JOINT DETAIL
SCALE: 3/4" = 1'-0"



39 TYP WALL INTERSECTION REINF DETAIL
SCALE: 3/4" = 1'-0"



40 TYP WALL REINF DETAIL
SCALE: 3/4" = 1'-0"

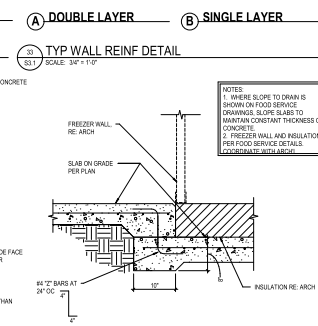
31 CONCRETE REINFORCING LAP SPICE SCHEDULE
SCALE: 3/4" = 1'-0"

AND TENSION LAP SPICE LENGTH (IN) FOR F1 = 4800 PSI

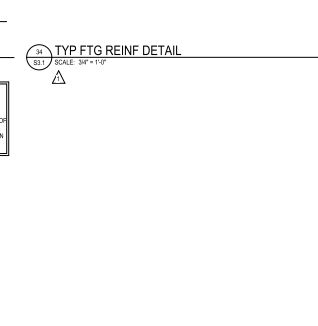
BAR SIZE	LAP LENGTH (IN)	OTHER BARS
#3	18	
#4	24	
#5	30	
#6	36	
#7	42	
#8	48	
#9	54	
#10	60	
#11	66	
#12	72	

32 DEVELOP LENGTHS OF STD HOOKS
SCALE: 3/4" = 1'-0"

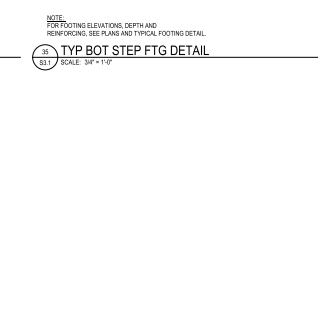
BAR SIZE	FC = 3000	FC = 4000	FC = 5000	FC = 6000	FC = 7000	FC = 8000
#3	18	18	18	18	18	18
#4	24	24	24	24	24	24
#5	30	30	30	30	30	30
#6	36	36	36	36	36	36
#7	42	42	42	42	42	42
#8	48	48	48	48	48	48
#9	54	54	54	54	54	54
#10	60	60	60	60	60	60
#11	66	66	66	66	66	66
#12	72	72	72	72	72	72



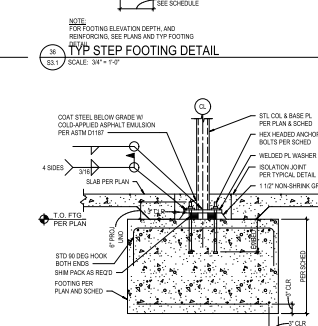
41 TYP FTG REINF DETAIL
SCALE: 3/4" = 1'-0"



42 TYP BOT STEP FTG DETAIL
SCALE: 3/4" = 1'-0"



43 TYP STEP FOOTING DETAIL
SCALE: 3/4" = 1'-0"



44 TYP COLUMN BASE DETAIL
SCALE: 3/4" = 1'-0"

33 SLAB ON GRADE SCHEDULE

MARK	SIZE	BASE PLATE	BASE PLATE DIMENSIONS	ANCHOR BOLTS	NOTES
D1	W8x10	TYPE 1	PL 1/2"x4"x4"	Ø 3/4"x12" 4 EMBED	
D2	W12x12	TYPE 1	PL 1/2"x4"x4"	Ø 3/4"x12" 4 EMBED	
D3	HSS12x12x3/8	TYPE 1	PL 1/2"x4"x4"	Ø 3/4"x12" 4 EMBED	
D4	W10x15	TYPE 1	PL 1/2"x4"x4"	Ø 3/4"x12" 4 EMBED	
D5	W8x10	TYPE 1	PL 1/2"x4"x4"	Ø 3/4"x12" 4 EMBED	
D6	HSS12x12x3/8	TYPE 1	PL 1/2"x4"x4"	Ø 3/4"x12" 4 EMBED	
D7	W10x15	TYPE 1	PL 1/2"x4"x4"	Ø 3/4"x12" 4 EMBED	
D8	W8x10	TYPE 1	PL 1/2"x4"x4"	Ø 3/4"x12" 4 EMBED	
D9	HSS12x12x3/8	TYPE 2	PL 1/2"x4"x4"	Ø 3/4"x12" 4 EMBED	
D10	W10x15	TYPE 2	PL 1/2"x4"x4"	Ø 3/4"x12" 4 EMBED	
D11	W8x10	TYPE 2	PL 1/2"x4"x4"	Ø 3/4"x12" 4 EMBED	

34 SPREAD FOOTING SCHEDULE

MARK	SIZE	REINFORCEMENT	NOTES
F1	18" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	
F2	24" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	
F3	30" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	
F4	36" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	
F5	42" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	
F6	48" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	
F7	54" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	
F8	60" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	
F9	66" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	
F10	72" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	
F11	78" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	
F12	84" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	
F13	90" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	
F14	96" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	
F15	102" PER PLAN 2'0" THICK	Ø 3/4" 12" 4 EWB	



35 TYP STEEL COLUMN SCHEDULE
SCALE: 3/4" = 1'-0"

36 CONCRETE REINFORCING LAP SPICE SCHEDULE
SCALE: 3/4" = 1'-0"

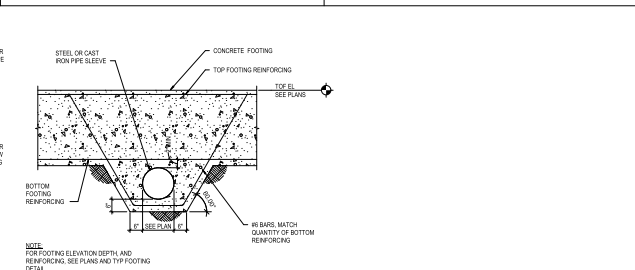
37 DEVELOP LENGTHS OF STD HOOKS
SCALE: 3/4" = 1'-0"

38 TYP FTG REINF DETAIL
SCALE: 3/4" = 1'-0"

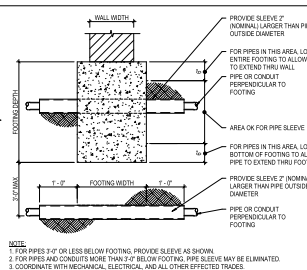
39 TYP BOT STEP FTG DETAIL
SCALE: 3/4" = 1'-0"

40 TYP STEP FOOTING DETAIL
SCALE: 3/4" = 1'-0"

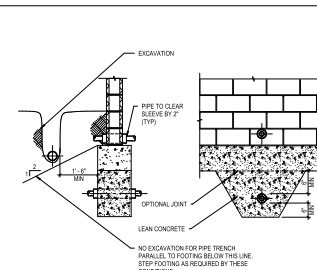
41 TYP COLUMN BASE DETAIL
SCALE: 3/4" = 1'-0"



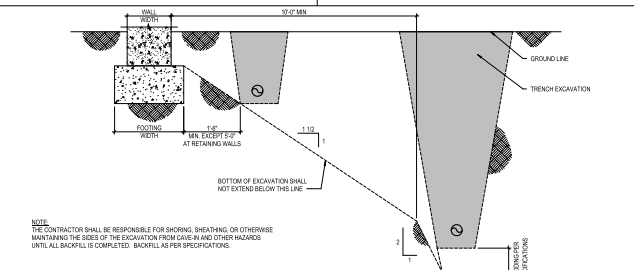
TYP PIPE SLEEVE DETAIL
 S3.2 SCALE: 3/4" = 1'-0"



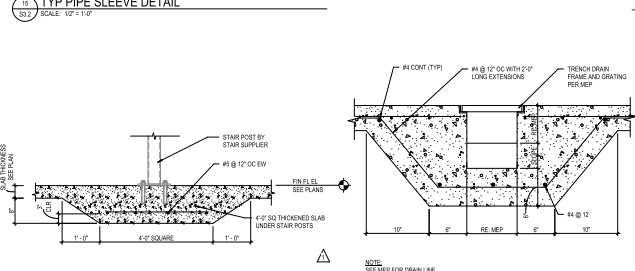
TYP INSTALLATION OF PIPES
 S3.1 SCALE: 3/4" = 1'-0"



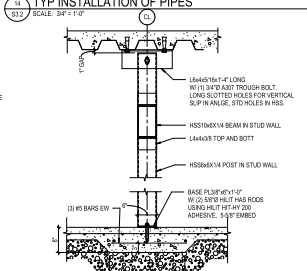
TYP FTG PENETRATION DETAIL
 S3.3 SCALE: 1/2" = 1'-0"



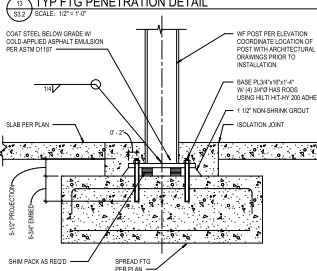
TYP INSTALLATION OF PIPES
 S3.1 SCALE: 3/4" = 1'-0"



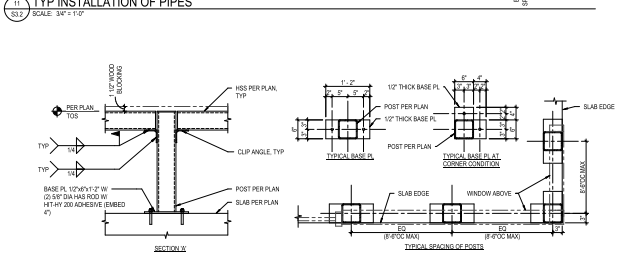
TYP TRENCH DRAIN & UTILITY TRENCH DETAIL
 S3.2 SCALE: 1 1/2" = 1'-0"



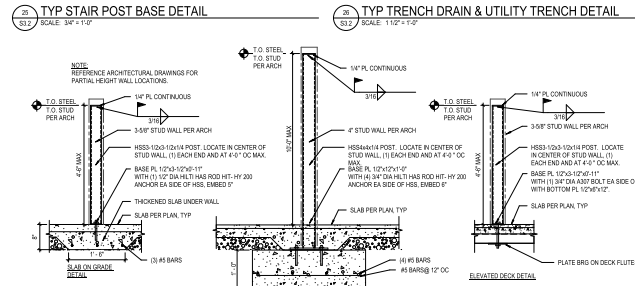
TYP STOREFRONT AT MAIN COMMONS DETAIL
 S3.2 SCALE: 3/4" = 1'-0"



TYPICAL WF POST CONNECTION DETAIL
 S3.1 SCALE: 1" = 1'-0"



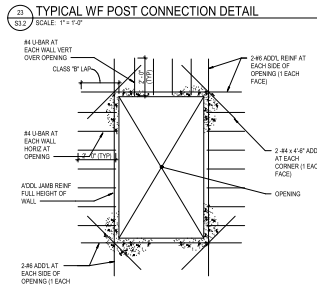
TYP WINDOW OR LOUVER FRAMING SUPPORTS
 S3.2 SCALE: 3/4" = 1'-0"



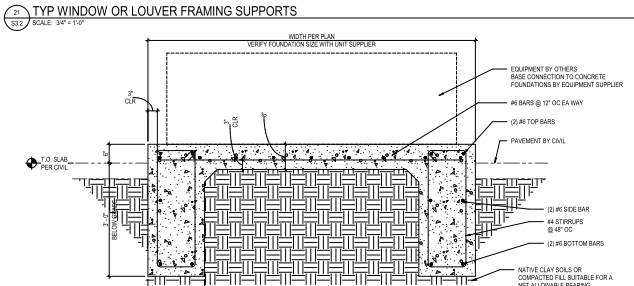
TYP PARTIAL HEIGHT WALL SUPPORT DETAIL
 S3.2 SCALE: 3/4" = 1'-0"



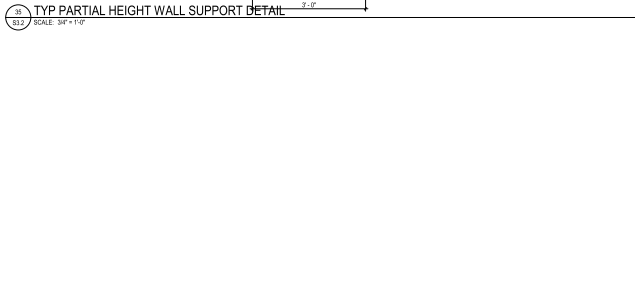
TYP REINFORCED WALL OPENING DETAIL
 S3.1 SCALE: 3/4" = 1'-0"



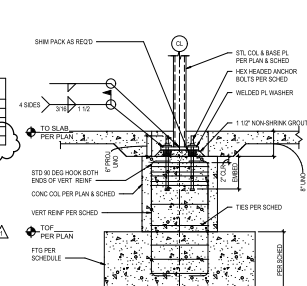
TYP MECHANICAL EQUIPMENT FOUNDATION
 S3.2 SCALE: 3/4" = 1'-0"



TYP WINDOW OR LOUVER FRAMING SUPPORTS
 S3.2 SCALE: 3/4" = 1'-0"



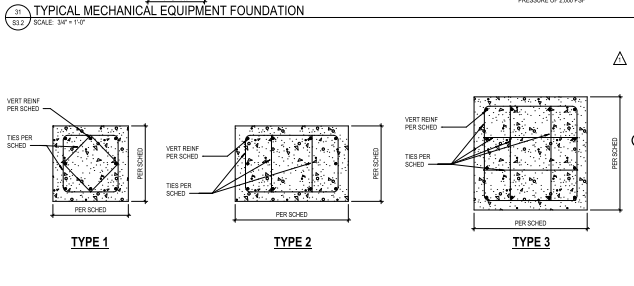
TYP ELEVATOR PIT DETAIL
 S3.2 SCALE: 1/2" = 1'-0"



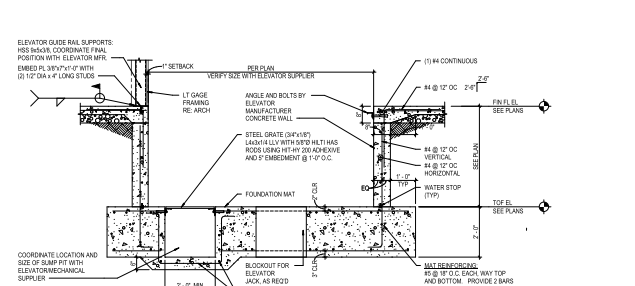
TYP COLUMN BASE ON CONC COLUMN DETAIL
 S3.2 SCALE: 3/4" = 1'-0"

MARK	SIZE	VERTICAL REINFORCEMENT	YES	NO
101	20x24	6#5 VERT	ALL TIES REINFORCED	YES
102	20x24	6#5 VERT	ALL TIES REINFORCED	YES
103	20x24	6#5 VERT	ALL TIES REINFORCED	YES
104	20x24	6#5 VERT	ALL TIES REINFORCED	YES

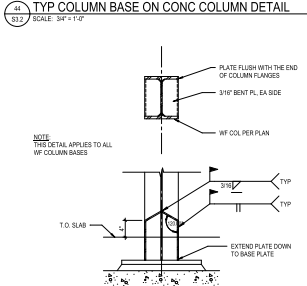
TYP CONCRETE COLUMN SCHEDULE & REINF DETAILS
 S3.2 SCALE: 3/4" = 1'-0"



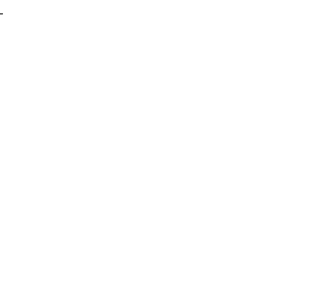
TYP WINDOW OR LOUVER FRAMING SUPPORTS
 S3.2 SCALE: 3/4" = 1'-0"



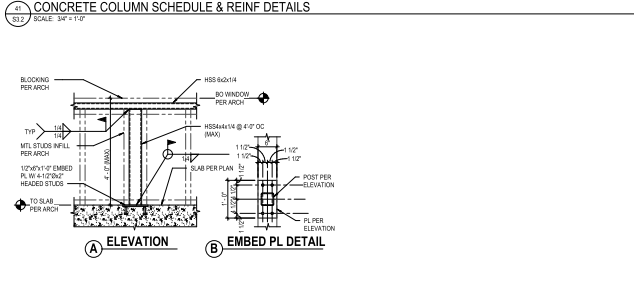
TYP WF BASE CLOSURE PLATE DETAIL
 S3.1 SCALE: 1" = 1'-0"



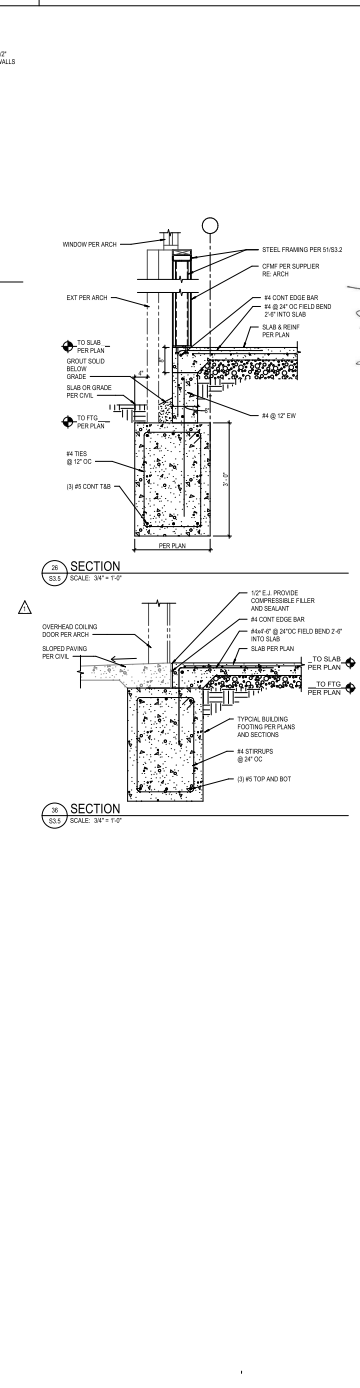
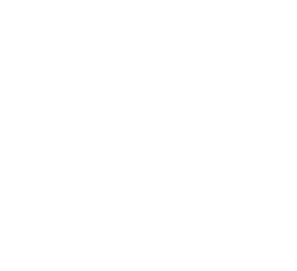
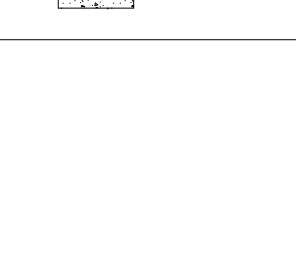
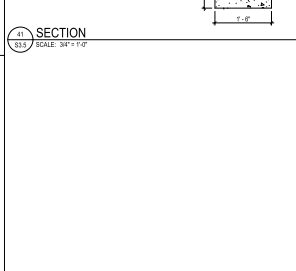
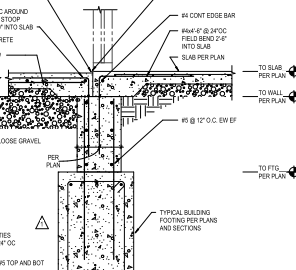
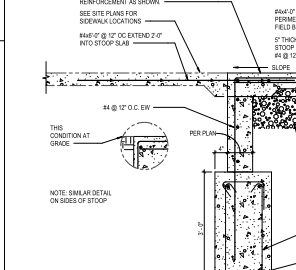
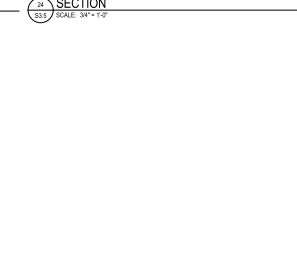
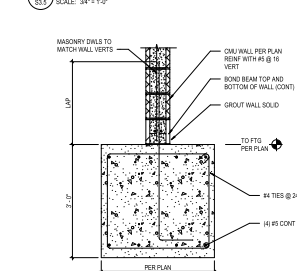
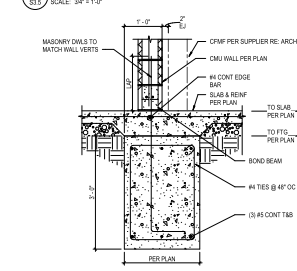
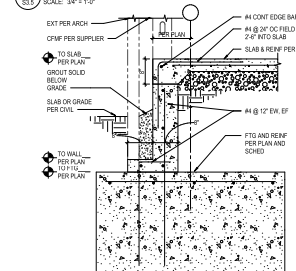
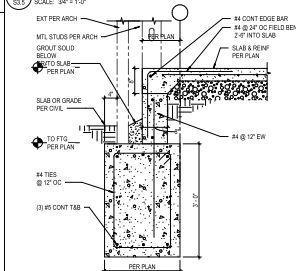
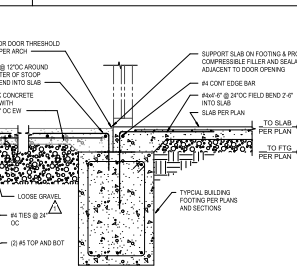
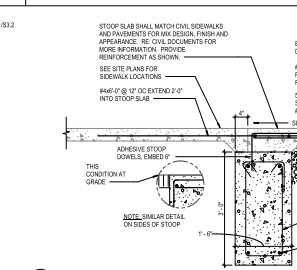
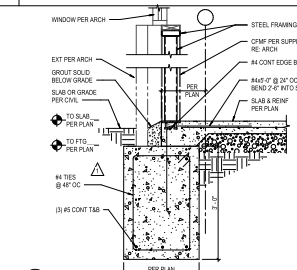
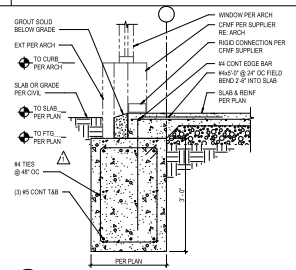
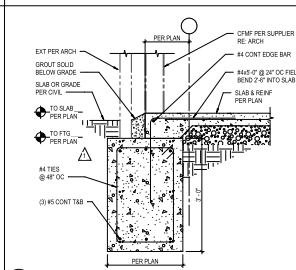
TYP WINDOW OR LOUVER FRAMING SUPPORTS
 S3.2 SCALE: 3/4" = 1'-0"



TYP WINDOW OR LOUVER FRAMING SUPPORTS
 S3.2 SCALE: 3/4" = 1'-0"



TYP WINDOW OR LOUVER FRAMING SUPPORTS
 S3.2 SCALE: 3/4" = 1'-0"



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LEE'S SUMMIT MIDDLE SCHOOL #4
 LEE'S SUMMIT R-7 SCHOOL DISTRICT
 1515 S. BAKER ROAD
 LEES SUMMIT, MO 64083

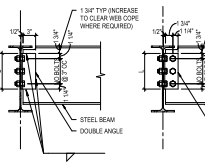
PACKAGE 3 - BUILDING & SITE
 ISSUE FOR PERMIT
 10/09/09
 REVISIONS
 1 AS-D 10/09/09

15-201010-00
 FOUNDATION SECTIONS

S3.5

CONNECTION SCHEDULE		
BM SIZE	MIN NO OF BOLTS	L-PLATE LENGTH
WB, W10	2	5 1/2"
W12, W14	3	8 1/2"
W16, W18	4	11 1/2"
W21	5	14 1/2"
W24	6	17 1/2"
W27	7	20 1/2"
W30, W33	8	23 1/2"
W36	9	26 1/2"

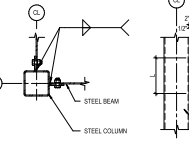
NOTES:
 1. USE SIMILAR CONNECTION AT WIDE FLANGE COLUMN FLANGE OR WEB.
 2. STEEL SUPPLIER TO DESIGN CONNECTIONS FOR LRFD REACTIONS PER PLAN W/ MIN NUMBER OF BOLTS PER THIS SCHEDULE.
 3. IF NO REACTIONS ARE PROVIDED, DESIGN CONNECTIONS TO RESIST 1/2 THE MAXIMUM TOTAL UNIFORM LRFD LOAD BASED ON SPAN LISTED IN TABLE 3.6 OF THE AISC STEEL CONNECTION MANUAL.



21. TYP STEEL BEAM CONNECTION DETAIL
 SCALE: 1" = 1'-0"

CONNECTION SCHEDULE		
ESCH BM SIZE	MIN NO OF BOLTS	L-ANGLE LENGTH
WB, W10	2	5 1/2"
W12, W14	3	8 1/2"
W16, W18	4	11 1/2"
W21	5	14 1/2"
W24	6	17 1/2"
W27	7	20 1/2"
W30, W33	8	23 1/2"
W36	9	26 1/2"

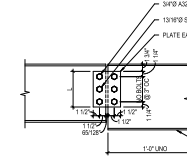
NOTES:
 1. USE SIMILAR CONNECTION AT WIDE FLANGE COLUMN FLANGE OR WEB.
 2. STEEL SUPPLIER TO DESIGN CONNECTIONS FOR LRFD REACTIONS PER PLAN W/ MIN NUMBER OF BOLTS PER THIS SCHEDULE.
 3. IF NO REACTIONS ARE PROVIDED, DESIGN CONNECTIONS TO RESIST 1/2 THE MAXIMUM TOTAL UNIFORM LRFD LOAD BASED ON SPAN LISTED IN TABLE 3.6 OF THE AISC STEEL CONNECTION MANUAL.



22. TYP STEEL BEAM CONNECTION DETAIL
 SCALE: 1" = 1'-0"

CONNECTION SCHEDULE		
BM SIZE	MIN NO OF BOLTS	L-PLATE LENGTH
WB, W10	2	5 1/2"
W12, W14	3	8 1/2"
W16, W18	4	11 1/2"
W21	5	14 1/2"
W24	6	17 1/2"
W27	7	20 1/2"
W30, W33	8	23 1/2"
W36	9	26 1/2"

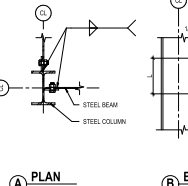
NOTES:
 1. STEEL SUPPLIER TO DESIGN CONNECTIONS FOR LRFD REACTIONS PER PLAN W/ MIN NUMBER OF BOLTS PER THIS SCHEDULE.
 2. IF NO REACTIONS ARE PROVIDED, DESIGN CONNECTIONS TO RESIST 1/2 THE MAXIMUM TOTAL UNIFORM LRFD LOAD BASED ON SPAN LISTED IN TABLE 3.6 OF THE AISC STEEL CONNECTION MANUAL.



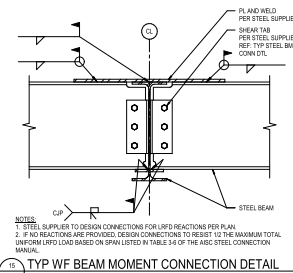
23. TYP STEEL BEAM CONNECTION DETAIL
 SCALE: 1" = 1'-0"

CONNECTION SCHEDULE		
EACH BM SIZE	MIN NO OF BOLTS	L-ANGLE LENGTH
WB, W10	2	5 1/2"
W12, W14	3	8 1/2"
W16, W18	4	11 1/2"
W21	5	14 1/2"
W24	6	17 1/2"
W27	7	20 1/2"
W30, W33	8	23 1/2"
W36	9	26 1/2"

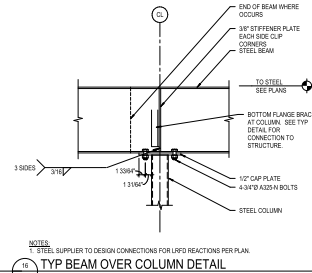
NOTES:
 1. USE SIMILAR CONNECTION AT WIDE FLANGE COLUMN FLANGE OR WEB.
 2. STEEL SUPPLIER TO DESIGN CONNECTIONS FOR LRFD REACTIONS PER PLAN W/ MIN NUMBER OF BOLTS PER THIS SCHEDULE.
 3. IF NO REACTIONS ARE PROVIDED, DESIGN CONNECTIONS TO RESIST 1/2 THE MAXIMUM TOTAL UNIFORM LRFD LOAD BASED ON SPAN LISTED IN TABLE 3.6 OF THE AISC STEEL CONNECTION MANUAL.



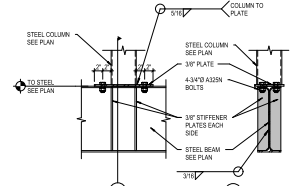
24. TYP STEEL BEAM CONNECTION DETAIL
 SCALE: 1" = 1'-0"



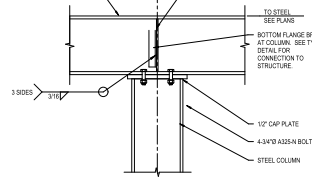
25. TYP WF BEAM MOMENT CONNECTION DETAIL
 SCALE: 1 1/2\"/>



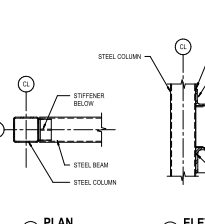
26. TYP BEAM OVER COLUMN DETAIL
 SCALE: 1" = 1'-0"



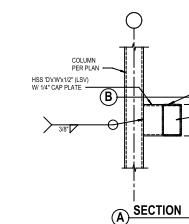
27. COLUMN / BEAM CONNECTION DETAIL
 SCALE: 1" = 1'-0"



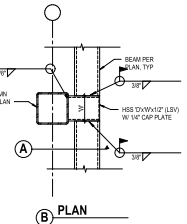
28. TYP BEAM OVER COLUMN DETAIL
 SCALE: 1" = 1'-0"



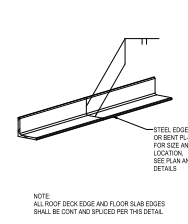
29. TYP HSS BEAM TO HSS COL CONN
 SCALE: 1" = 1'-0"



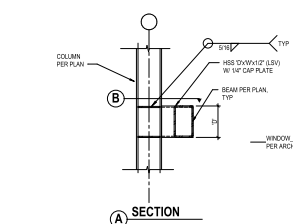
30. TYP HSS BM TO HSS COL CONN DETAIL
 SCALE: 3/4\"/>



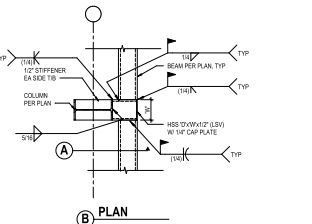
31. TYP CONT BENT PL SPLICE DET
 SCALE: 3/4\"/>



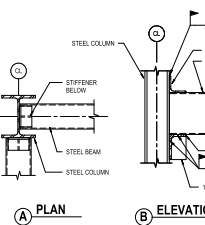
32. TYP HSS BM TO WF COL CONN DETAIL
 SCALE: 3/4\"/>



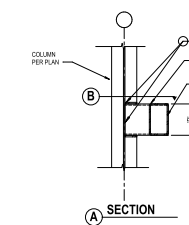
33. TYP WF BEAM TO WF COL WEB MOMENT CONN DTL
 SCALE: 3/4\"/>



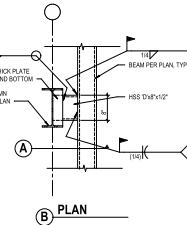
34. TYP WF BEAM TO WF COL FLANGE MOMENT CONN DTL
 SCALE: 3/4\"/>



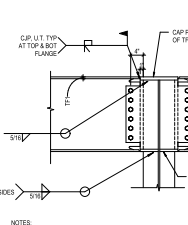
35. TYP HSS BEAM TO WF COL CONN
 SCALE: 1" = 1'-0"



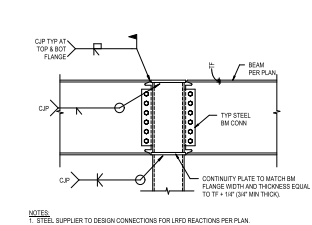
36. TYP HSS BM TO WF COL CONN DETAIL
 SCALE: 3/4\"/>



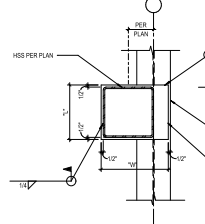
37. TYP WF BEAM TO WF COL WEB MOMENT CONN DTL
 SCALE: 3/4\"/>



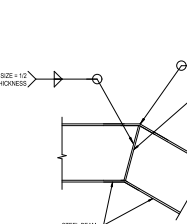
38. TYP WF BEAM TO WF COL FLANGE MOMENT CONN DTL
 SCALE: 3/4\"/>



39. TYP WF BEAM TO HSS COL MOMENT CONN DETAIL
 SCALE: 3/4\"/>

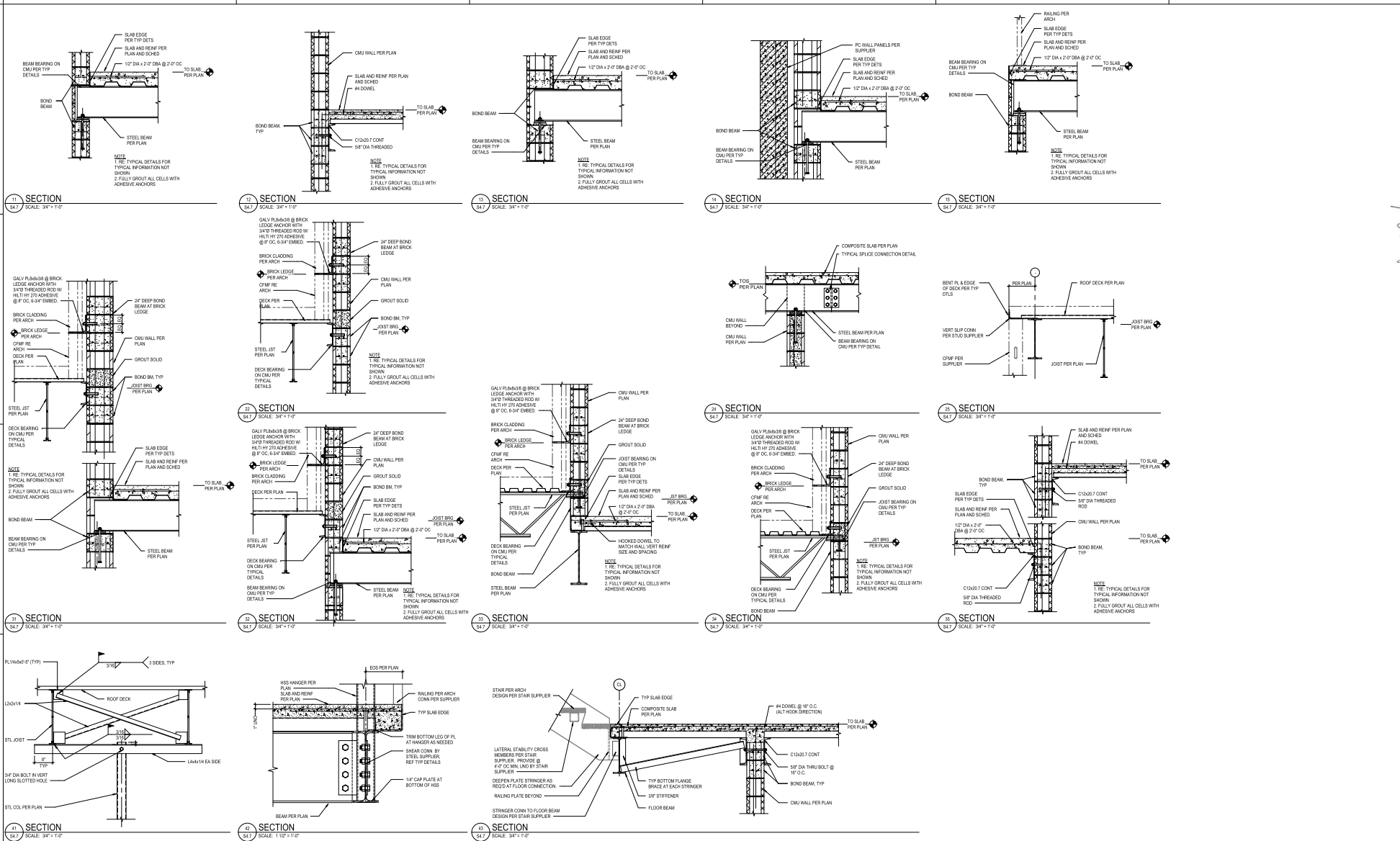


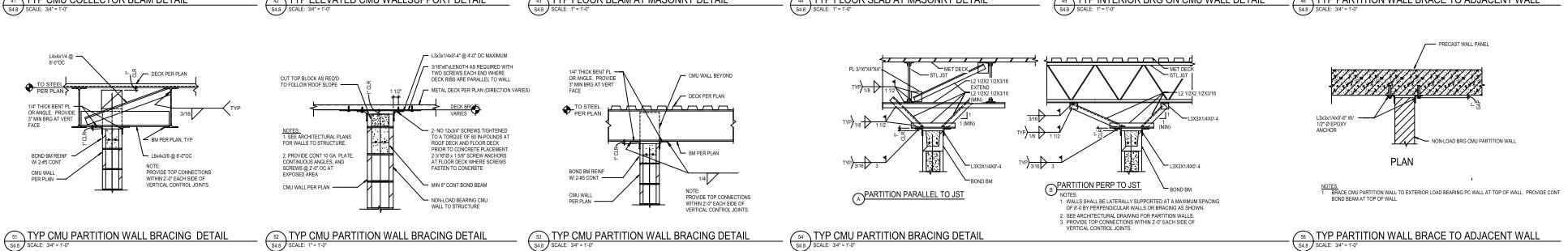
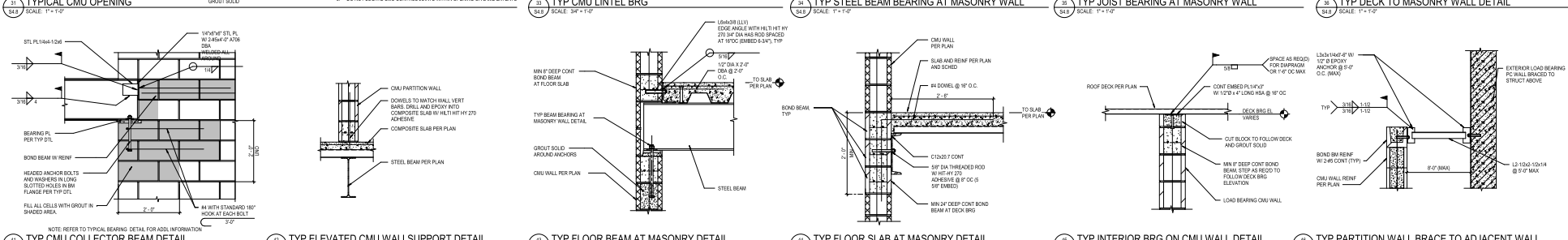
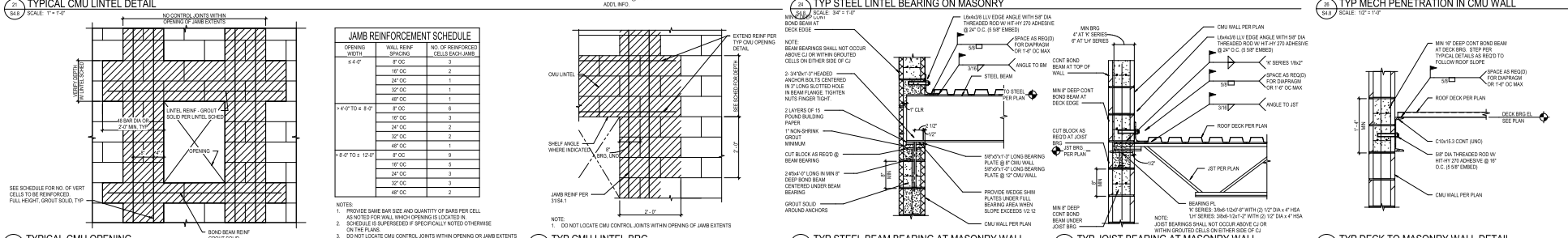
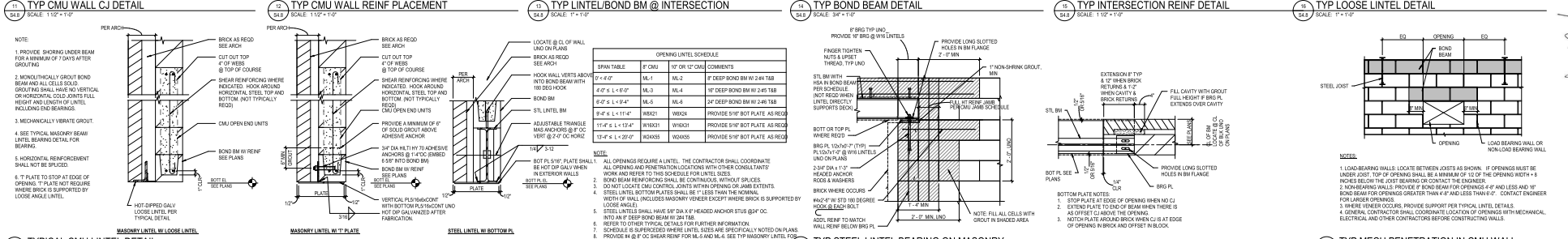
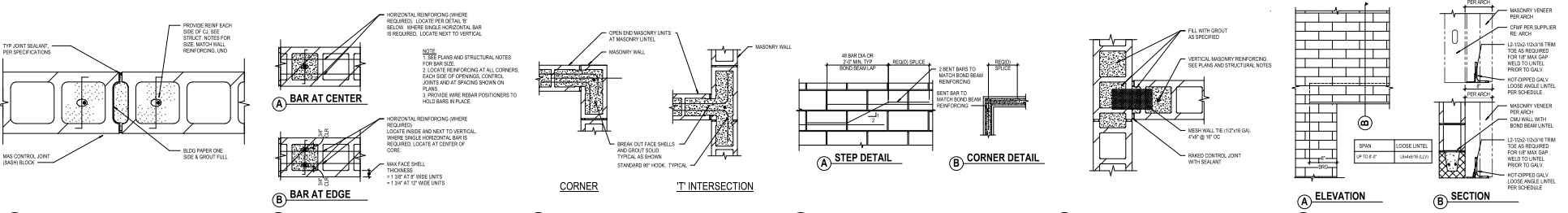
40. TYP OFFSET HSS TO WF COL CONN DTL
 SCALE: 1" = 1'-0"



41. BEAM MITER OR SPLICE DETAIL
 SCALE: 1" = 1'-0"

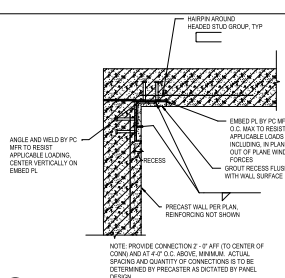




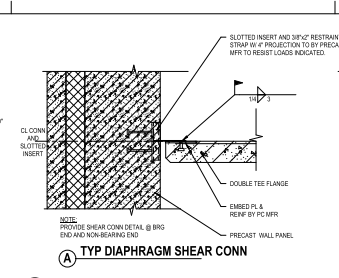


15-20102-00 LEES SUMMIT MIDDLE SCHOOL #4 10/19/20 00 LARRY E. BROWN, ENGINEER, STATE OF COLORADO, LICENSE NO. 12456

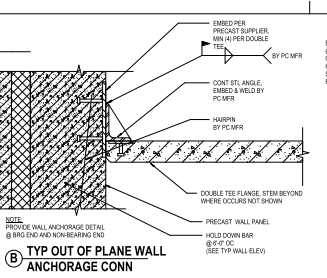
15-201010-00 Lees Summit Middle School #13 201010-00 Lees Summit Middle School # 5T 2020/01
 15-201010-00-00



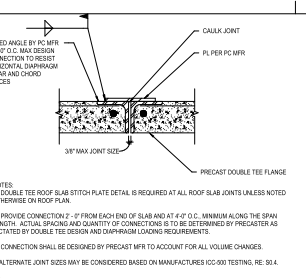
20 TYPICAL CORNER CONNECTION
 SCALE: 3/4" = 1'-0"



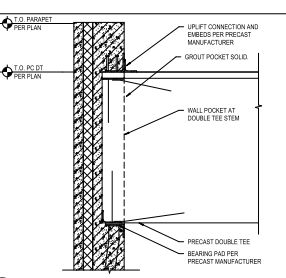
21 TYP PRECAST WALL TO DIAPHRAGM CONN DET
 SCALE: 1/2" = 1'-0"



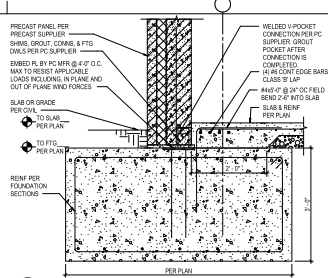
22 TYP DIAPHRAGM CHORD DETAIL
 SCALE: 3/4" = 1'-0"



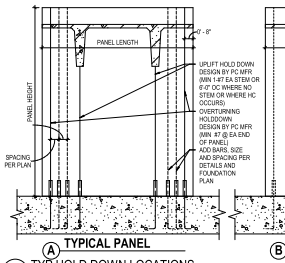
23 TYP DIAPHRAGM CHORD DETAIL
 SCALE: 3/4" = 1'-0"



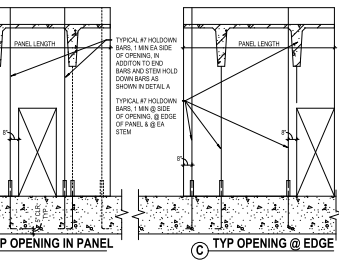
24 TYP DOUBLE TEE / WALL DETAIL
 SCALE: 3/4" = 1'-0"



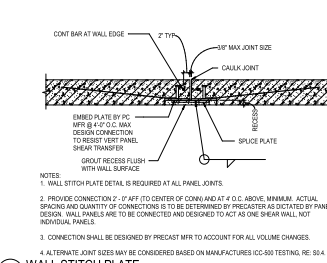
25 TYP PRECAST FOUNDATION CONNECTION
 SCALE: 3/4" = 1'-0"



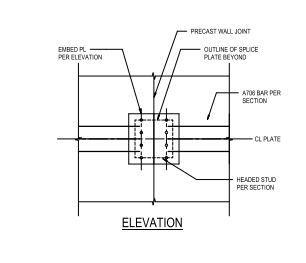
26 TYP HOLD DOWN LOCATIONS
 SCALE: 1/4" = 1'-0"



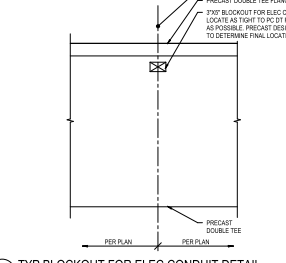
27 TYP OPENING IN PANEL
 SCALE: 1/4" = 1'-0"



28 WALL STITCH PLATE
 SCALE: 3/4" = 1'-0"



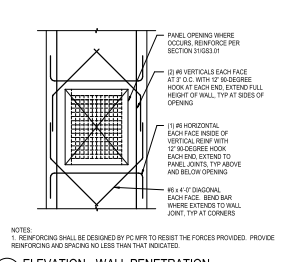
29 TYP BLOCKOUT FOR ELEC CONDUIT DETAIL
 SCALE: 3/4" = 1'-0"



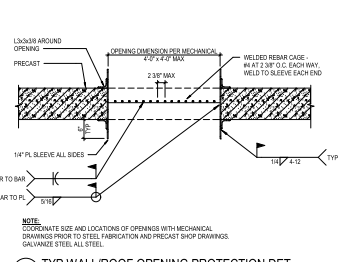
30 TYP WALL/ROOF OPENING PROTECTION DET
 SCALE: 3/4" = 1'-0"



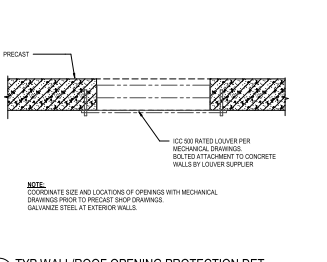
31 ELEVATION - WALL PENETRATION
 SCALE: 1/2" = 1'-0"



32 TYP WALL/ROOF OPENING PROTECTION DET
 SCALE: 3/4" = 1'-0"



33 TYP WALL/ROOF OPENING PROTECTION DET
 SCALE: 3/4" = 1'-0"



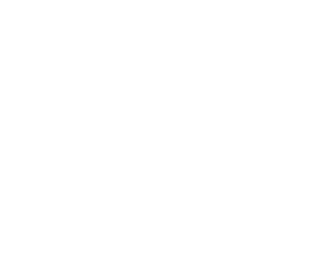
34 TYP WALL/ROOF OPENING PROTECTION DET
 SCALE: 3/4" = 1'-0"



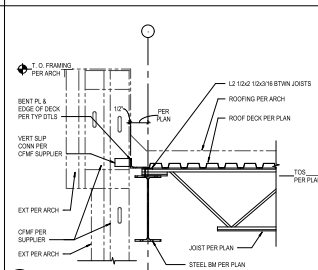
35 TYP WALL/ROOF OPENING PROTECTION DET
 SCALE: 3/4" = 1'-0"



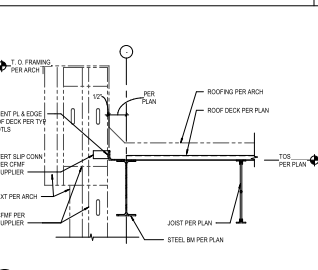
36 TYP WALL/ROOF OPENING PROTECTION DET
 SCALE: 3/4" = 1'-0"



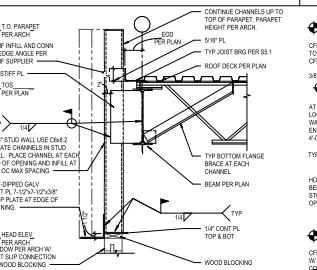
37 TYP WALL/ROOF OPENING PROTECTION DET
 SCALE: 3/4" = 1'-0"



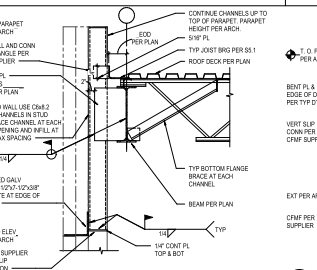
11 SECTION
SCALE: 3/4" = 1'-0"



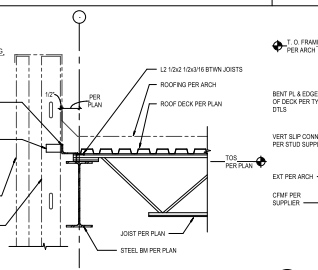
12 SECTION
SCALE: 3/4" = 1'-0"



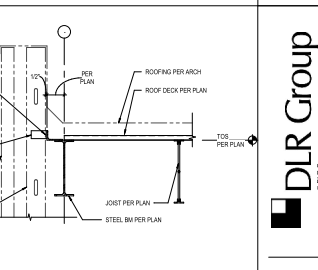
13 SECTION
SCALE: 3/4" = 1'-0"



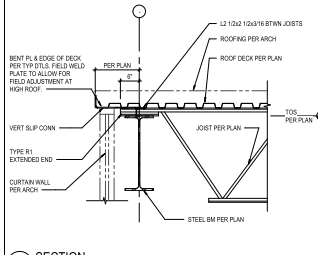
14 SECTION
SCALE: 3/4" = 1'-0"



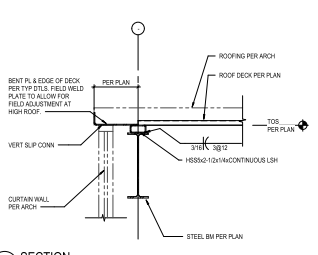
15 SECTION
SCALE: 3/4" = 1'-0"



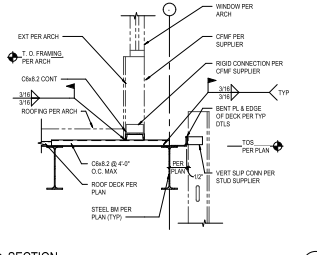
16 SECTION
SCALE: 3/4" = 1'-0"



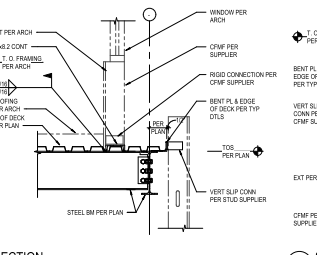
17 SECTION
SCALE: 3/4" = 1'-0"



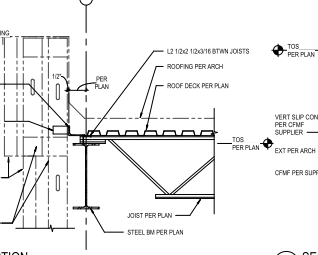
18 SECTION
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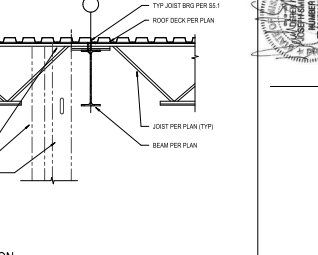
19 SECTION
SCALE: 3/4" = 1'-0"



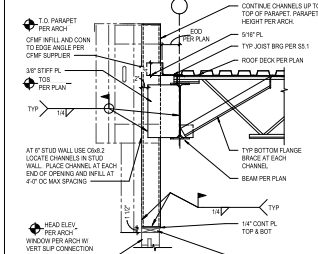
20 SECTION
SCALE: 3/4" = 1'-0"



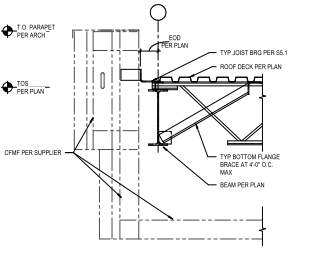
21 SECTION
SCALE: 3/4" = 1'-0"



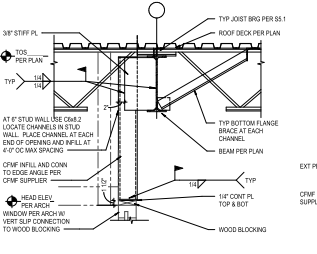
22 SECTION
SCALE: 3/4" = 1'-0"



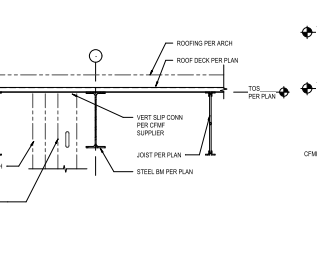
23 SECTION
SCALE: 3/4" = 1'-0"



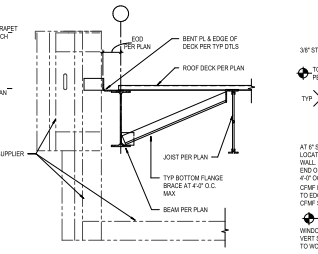
24 SECTION
SCALE: 3/4" = 1'-0"



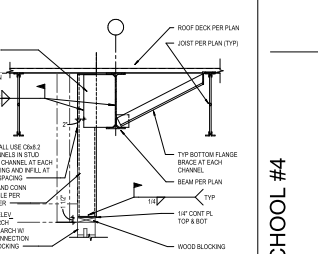
25 SECTION
SCALE: 3/4" = 1'-0"



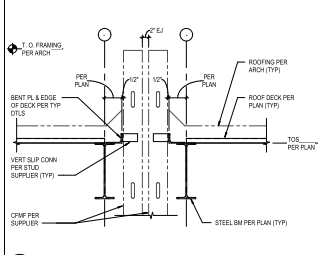
26 SECTION
SCALE: 3/4" = 1'-0"



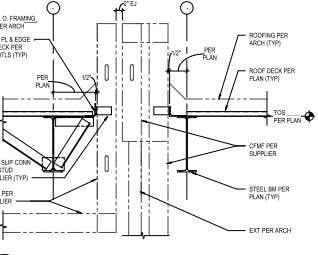
27 SECTION
SCALE: 3/4" = 1'-0"



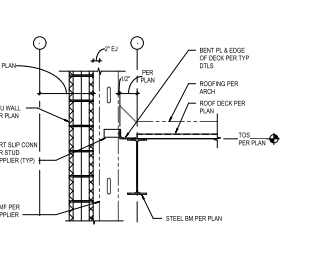
28 SECTION
SCALE: 3/4" = 1'-0"



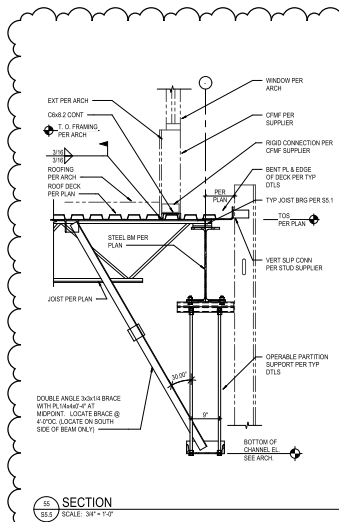
29 SECTION
SCALE: 3/4" = 1'-0"



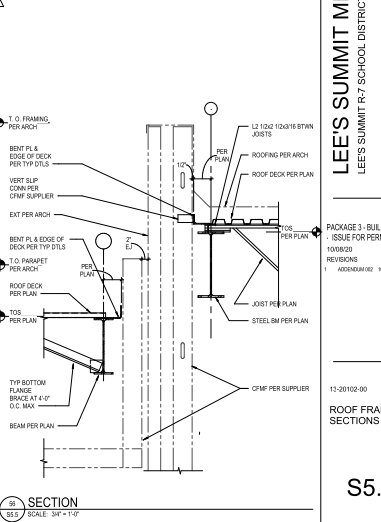
30 SECTION
SCALE: 3/4" = 1'-0"



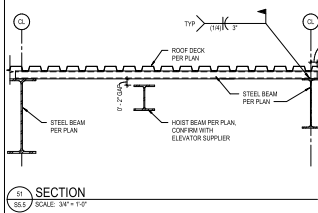
31 SECTION
SCALE: 3/4" = 1'-0"



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

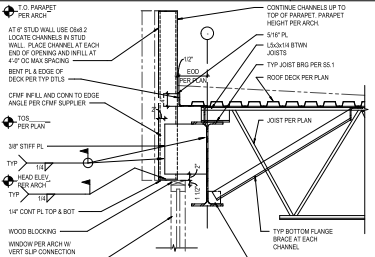


33 SECTION
SCALE: 3/4" = 1'-0"

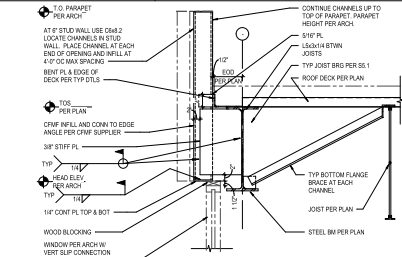


34 SECTION
SCALE: 3/4" = 1'-0"

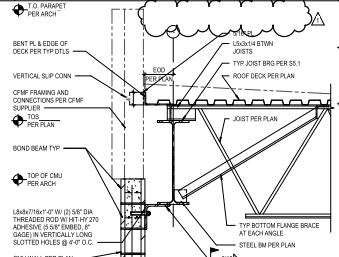




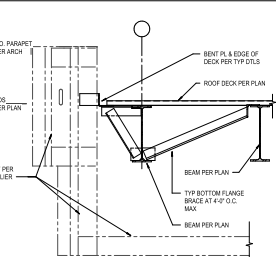
11 SECTION
SCALE: 3/4" = 1'-0"



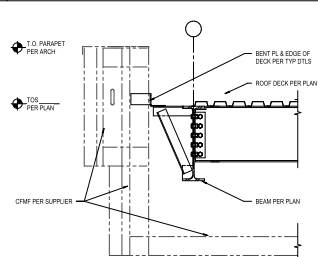
12 SECTION
SCALE: 3/4" = 1'-0"



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



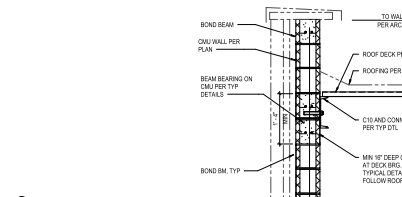
14 SECTION
SCALE: 3/4" = 1'-0"



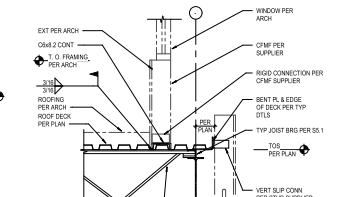
15 SECTION
SCALE: 3/4" = 1'-0"



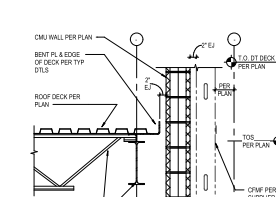
16 SECTION
SCALE: 3/4" = 1'-0"



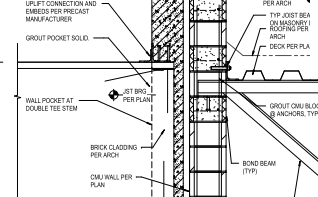
17 SECTION
SCALE: 3/4" = 1'-0"



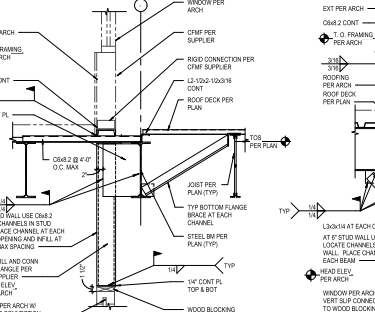
18 SECTION
SCALE: 3/4" = 1'-0"



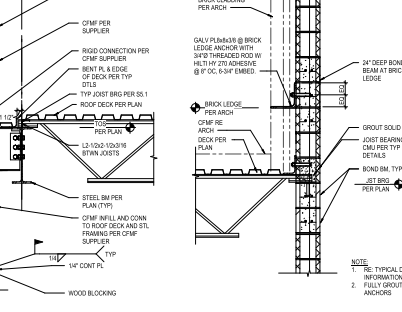
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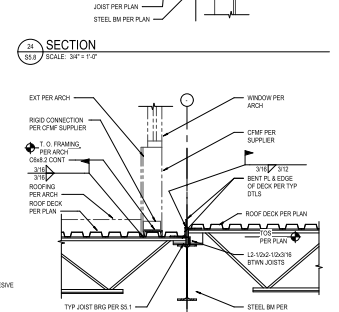
20 SECTION
SCALE: 3/4" = 1'-0"



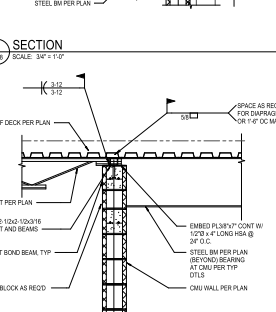
21 SECTION
SCALE: 3/4" = 1'-0"



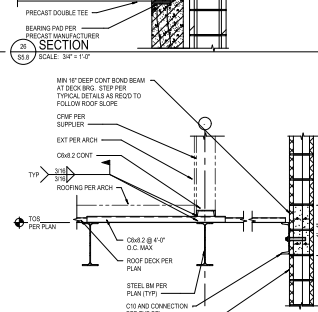
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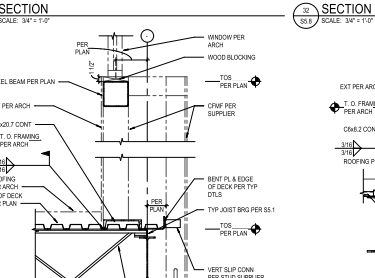
23 SECTION
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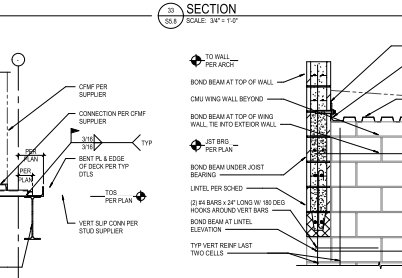
24 SECTION
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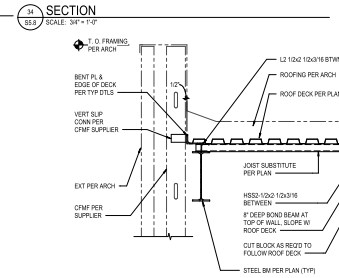
25 SECTION
SCALE: 3/4" = 1'-0"



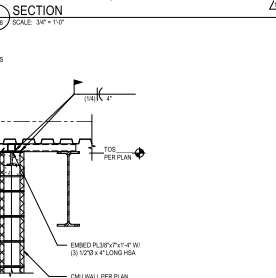
26 SECTION
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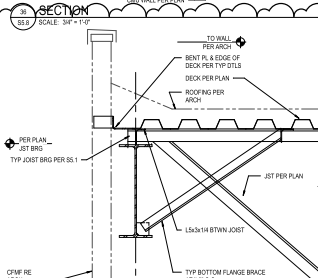
27 SECTION
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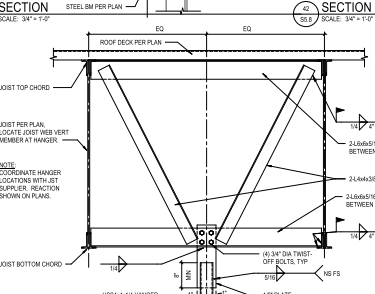
28 SECTION
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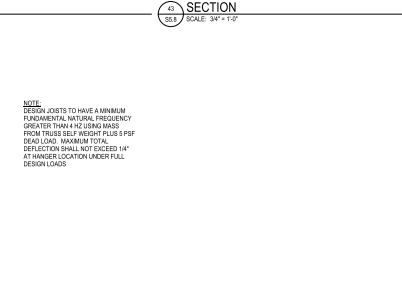
29 SECTION
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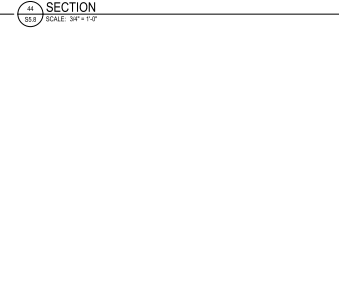
30 SECTION
SCALE: 3/4" = 1'-0"



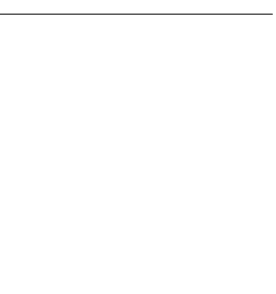
31 SECTION
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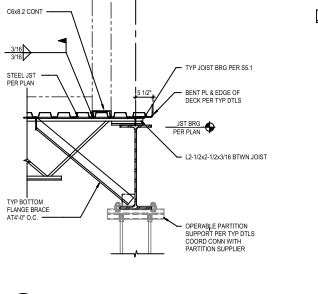
32 SECTION
SCALE: 3/4" = 1'-0"



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



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



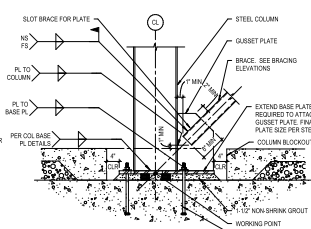
35 SECTION
SCALE: 3/4" = 1'-0"

NOTE: JOISTS TO HAVE A MINIMUM HANGERS AND BRACKETS PREVIOUSLY GREATER THAN 1/2\"/>

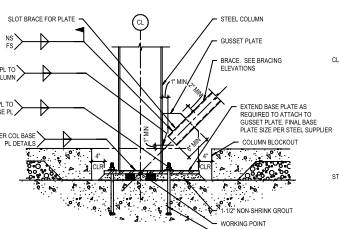
DLR Group
 6330 W. CENTURY
 SUITE 1000
 LOS ANGELES, CA 90045
 (310) 550-1000
 www.dlr.com

LEE'S SUMMIT MIDDLE SCHOOL #4
 LEES SUMMIT P7 SCHOOL DISTRICT
 13201010-00
 ROOF FRAMING SECTIONS
 S5.8

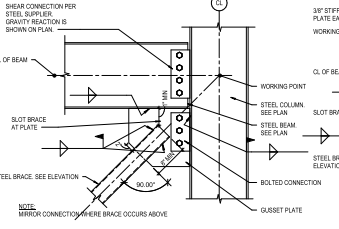
- BRACING CONNECTION NOTES**
1. ALL CONNECTIONS SHOWN ARE SCHEMATIC ONLY. FINAL CONNECTION DESIGN CALCULATIONS AND DETAILING SHALL BE PROVIDED BY THE STEEL FABRICATORS ENGINEER.
 2. REFER TO PLANS FOR ADDITIONAL SHEAR AND AXIAL REACTIONS NOT SHOWN.
 3. ALL CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH AISC LOAD AND RESISTANCE FACTOR DESIGN (LRFD) TO RESIST FACTORED REACTIONS PROVIDED FOR AN R7 SYSTEM.
 4. THE WORKPOINT SHALL BE DEFINED AS THE INTERSECTION OF ALL MEMBER CENTRIDS FRAMING INTO THE JOINT. STEEL SUPPLIER SHALL DESIGN THE CONNECTIONS TO TRANSFER ALL FORCES TO THE WORKPOINT.



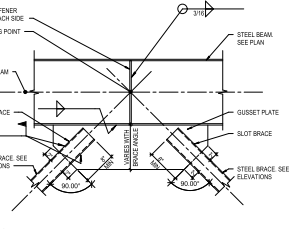
11
361
BRACE CONNECTION DETAIL NOTES
SCALE: 1" = 1'-0"



12
361
TYP HSS BRACE CONNECTION DETAIL
SCALE: 1" = 1'-0"



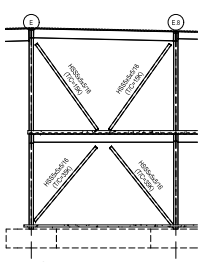
13
361
TYP HSS BRACE CONNECTION DETAIL
SCALE: 1" = 1'-0"



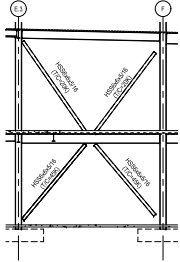
14
361
BRACE CONNECTION DETAIL
SCALE: 1" = 1'-0"

BAA 200113-2010000 Lee's Summit Middle School #13-2010000 Lee's Summit Middle School #13-2010000
 11/20/2024 2:29:27 PM

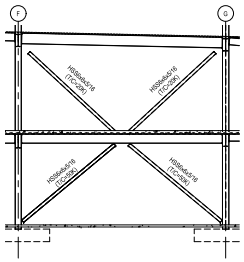




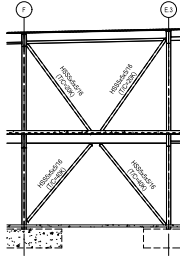
11 ELEVATION
SCALE: 1/8" = 1'-0"



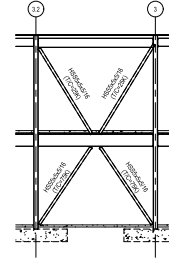
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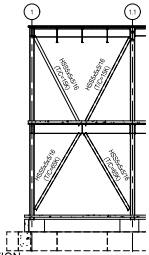
13 ELEVATION
SCALE: 1/8" = 1'-0"



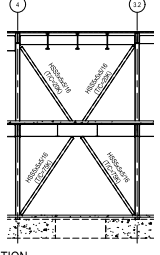
14 ELEVATION
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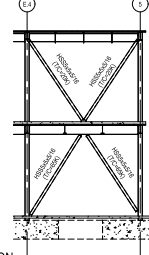
15 ELEVATION
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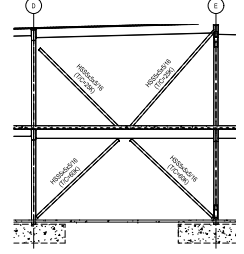
22 ELEVATION
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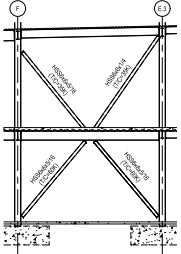
21 ELEVATION
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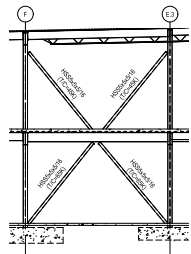
24 ELEVATION
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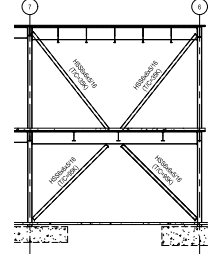
31 ELEVATION
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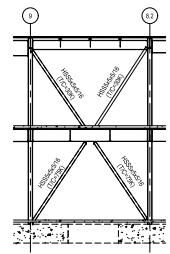
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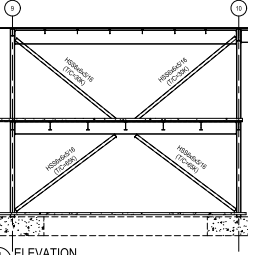
33 ELEVATION
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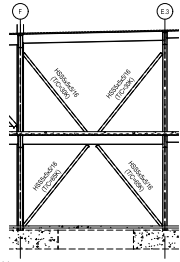
34 ELEVATION
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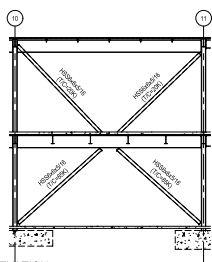
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SCALE: 1/8" = 1'-0"



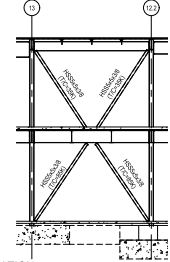
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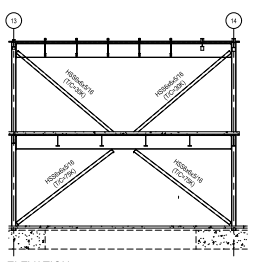
37 ELEVATION
SCALE: 1/8" = 1'-0"



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



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



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

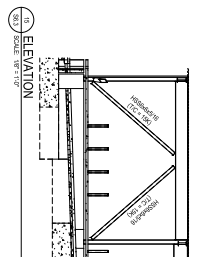
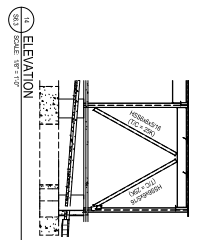
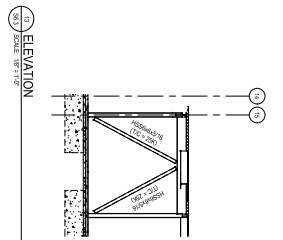
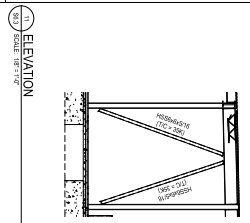
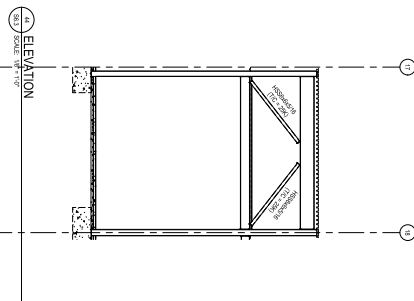
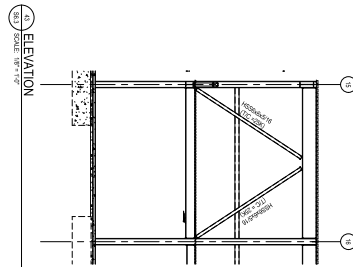
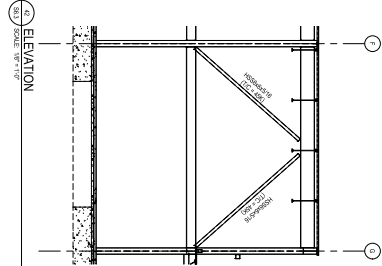
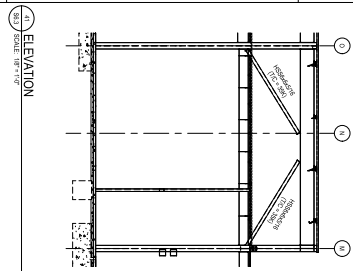
BAA 300013-2010000-000 Lees Summit Middle School #13 201000-00 Lees Summit Middle School #13 201000-00
 11/17/2014



LEES SUMMIT MIDDLE SCHOOL #4
 LEES SUMMIT R-7 SCHOOL DISTRICT
 11/17/2014

PACKAGE 2 -
 STRUCTURAL & SITE UTILITIES
 ISSUED FOR PERMIT
 8/28/20
 REVISIONS

13-201000-00
 BRACED FRAME
 ELEVATIONS



PROJECT: 1. BUILDING FIRE
 WORKING
 - SQUEEZE PERMIT
 REVISIONS

LEE'S SUMMIT MIDDLE SCHOOL #4
 LEE'S SUMMIT R-7 SCHOOL DISTRICT

101 SE BAILEY ROAD
 LEE'S SUMMIT, MO 64081

13-20102-00
 BRACED FRAME
 ELEVATIONS

