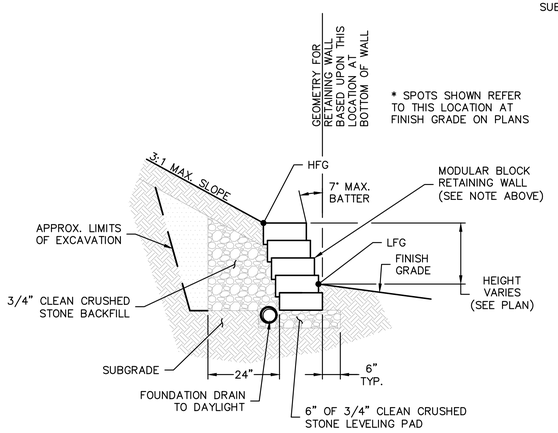
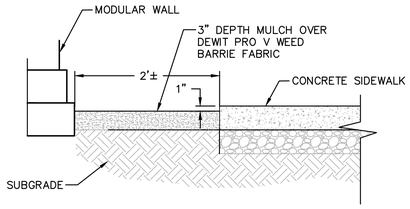
NOTE:

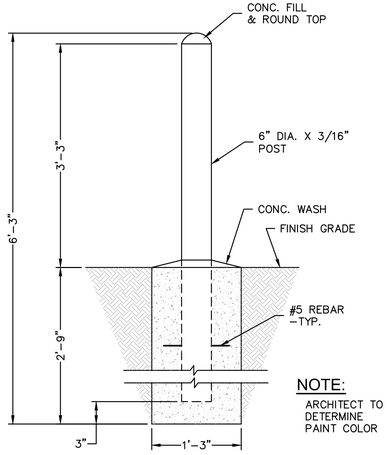
PRE-CAST CONCRETE MODULAR BLOCK RETAINING WALL. SUBMIT WALL MANUFACTURER'S CUT SHEETS FOR OWNER APPROVAL FOR MAKE, MODEL AND COLOR. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. CONTRACTOR SHALL PROVIDE RETAINING WALL DESIGN. SHOP DRAWINGS OF WALL DESIGN SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MISSOURI & SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. WALL DESIGN SHALL FOLLOW RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PROVIDED BY OWNER.



MODULAR BLOCK RETAINING WALL DETAIL
NOT TO SCALE

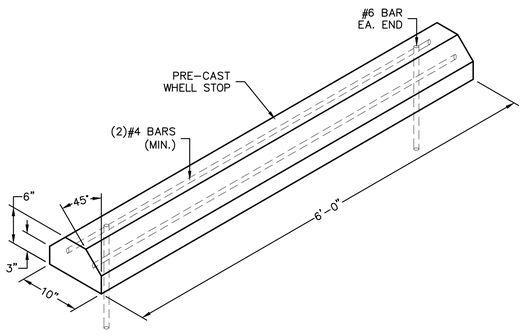


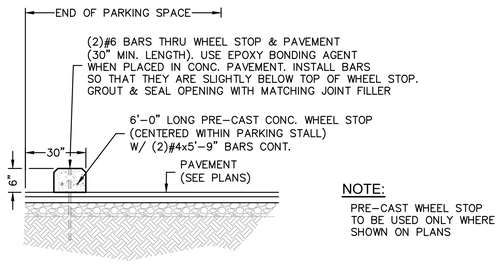
MULCH INSTALLATION
NOT TO SCALE



NOTE:
ARCHITECT TO DETERMINE PAINT COLOR

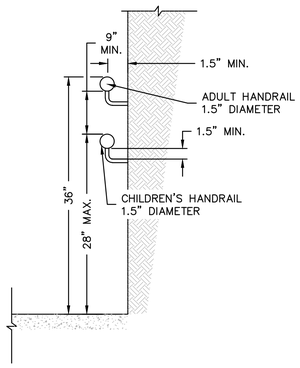
BOLLARD DETAIL
NOT TO SCALE





NOTE:
PRE-CAST WHEEL STOP TO BE USED ONLY WHERE SHOWN ON PLANS

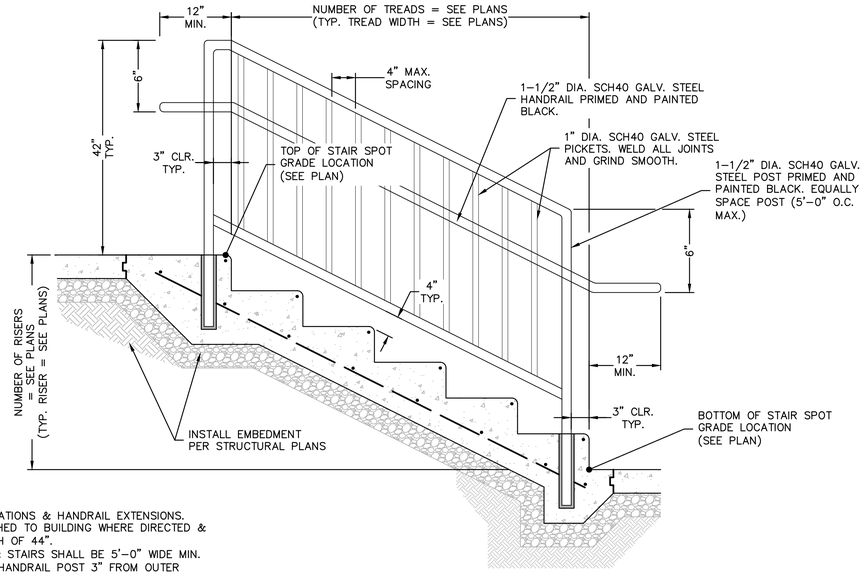
PRE-CAST WHEEL STOP DETAILS
NOT TO SCALE



HANDRAIL ON WALL DETAIL
NOT TO SCALE

STAIR DESIGN TABLE	
RISER HT.	TREAD WIDTH
6"	14"
7"	12"

* UNLESS NOTED OTHERWISE ON PLANS & SHALL MATCH THE DESIGN TABLE ABOVE



NOTES:

1. SEE PLAN FOR STAIR LOCATIONS & HANDRAIL EXTENSIONS.
2. INSTALL HANDRAIL ATTACHED TO BUILDING WHERE DIRECTED & MAINTAIN A MIN. CLEAR PATH OF 44".
3. CONNECTING SIDEWALKS & STAIRS SHALL BE 5'-0" WIDE MIN.
4. INSTALL OUTER EDGE OF HANDRAIL POST 3" FROM OUTER EDGE OF CONC. STAIRS.
5. PAINT 6" STRIPE ON TOP & FACE OF STEP.

CONC. STAIRS WITH GUARDRAIL AND HANDRAIL DETAIL
NOT TO SCALE

NOTES:

1. SEE PLAN FOR RAMP LOCATIONS & HANDRAIL EXTENSIONS.
2. INSTALL HANDRAIL ATTACHED TO BUILDING WHERE DIRECTED & MAINTAIN A MIN. CLEAR PATH OF 44".
3. INSTALL OUTER EDGE OF RAIL POST CAST OUT 3" FROM OUTER EDGE OF RAMPS.

SIDEWALK RAMP WITH GUARDRAIL AND HANDRAIL DETAIL
NOT TO SCALE

PARAGON ARCHITECTURE
MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-2016000415
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CONSTRUCTION MANAGER
RE SMITH CONSTRUCTION COMPANY
1036 W 2ND ST
JOPLIN, MO 64801
417-623-4545

STATE OF MISSOURI
RICKY GENE HAASE
NUMBER PE-2019017828
05/17/2023
PROFESSIONAL ENGINEER

RICKY GENE HAASE-CIVIL ENGINEER
MO# PE-2019017828

100% CDS
REVISION SCHEDULE

PROJECT DESCRIPTION:
CASSVILLE HS: PERFORMING ARTS CENTER
1825 State Hwy Y, Cassville, MO 65625

PROJECT ENGINEER: RGH
DRAWN BY: BWS
CHECKED BY: RVJ

PROJECT NUMBER:
21-620

DATE:
2023.05.17

DETAILS

SHEET NUMBER:
C9.1

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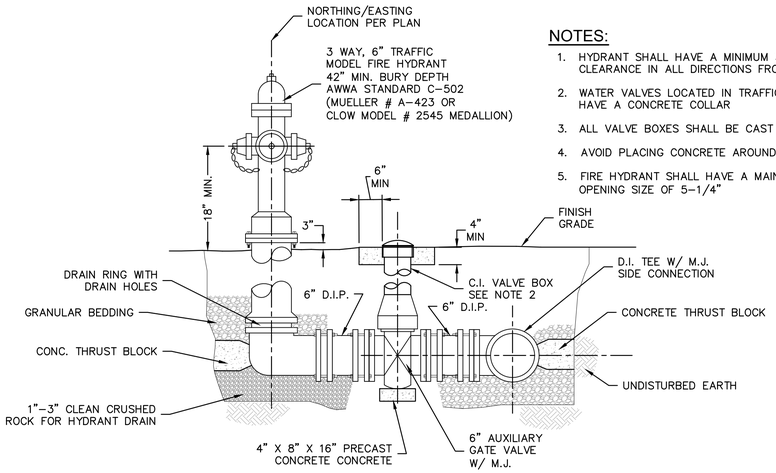
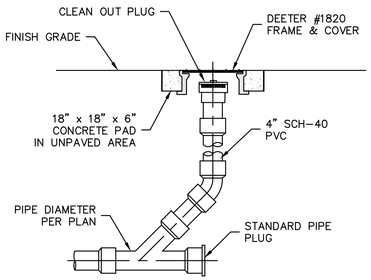


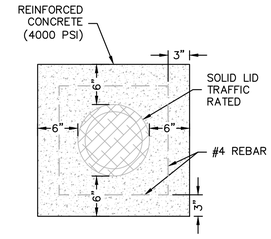
NOTES:

1. HYDRANT SHALL HAVE A MINIMUM 36" WORKING CLEARANCE IN ALL DIRECTIONS FROM NOZZLES
2. WATER VALVES LOCATED IN TRAFFICWAYS SHALL HAVE A CONCRETE COLLAR
3. ALL VALVE BOXES SHALL BE CAST IRON
4. AVOID PLACING CONCRETE AROUND DRAIN HOLES
5. FIRE HYDRANT SHALL HAVE A MAIN VALVE OPENING SIZE OF 5-1/4"

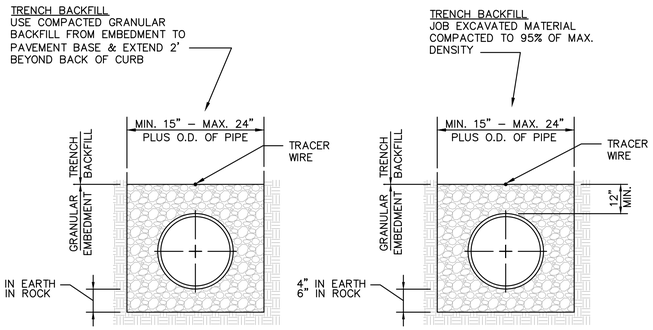
FIRE HYDRANT DETAIL
NOT TO SCALE



SANITARY SEWER STANDARD CLEANOUT DETAIL
NOT TO SCALE



CONCRETE PAD DETAIL
NOT TO SCALE

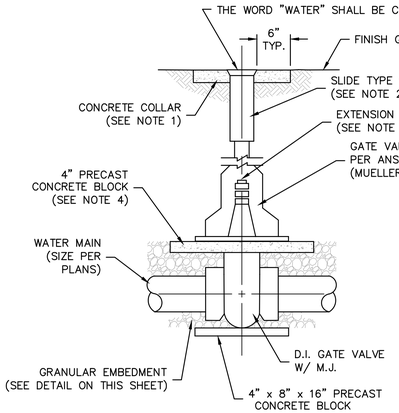


UNDER PAVEMENT

OUTSIDE PAVEMENT

TRENCH BACKFILL REQUIREMENTS	
PERCENT PASSING	SIEVE SIZE
100	3/4-INCH
60-100	1/2-INCH
0-5	NO. 4

SITE UTILITY, WATER, FIRE PROTECTION & SANITARY SEWER BEDDING DETAILS
NOT TO SCALE



NOTES:

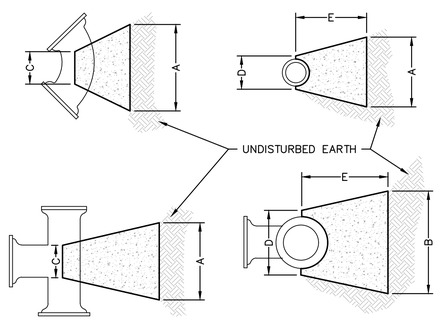
1. WATER VALVES LOCATED IN TRAFFICWAYS SHALL HAVE A CONCRETE COLLAR
2. ALL VALVE BOXES SHALL BE CAST IRON
   (NON-TRAFFIC AREAS: STAR PIPE PRODUCTS VB-0003, OR EQ.)
   (TRAFFIC AREAS: STAR PIPE PRODUCTS VB-0004, OR EQ.)
3. EXTENSION STEMS SHALL BE PROVIDED FOR BURIED VALVES WHEN THE OPERATING NUT IS MORE THAN 36" BELOW FINISHED GRADE. EACH EXTENSION STEM FOR A BURIED VALVE SHALL EXTEND TO WITHIN 36" OF THE GROUND SURFACE. EXTENSION STEMS SHALL ALSO BE PROVIDED WITH SPACERS TO CENTER THE STEM IN THE VALVE BOX AND COME EQUIPPED WITH A WRENCH NUT.
4. TO PREVENT CONTACT BETWEEN VALVE AND VALVE BOX, SUPPORT THE BOX AS REQUIRED

VALVE DETAILS
NOT TO SCALE

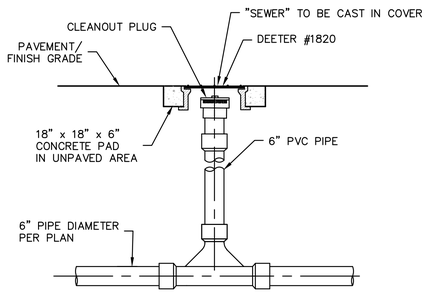
PIPE SIZE	FITTING	DISTANCE IN INCHES A	B	C	D	E
4" AND SMALLER	11.25 & 22.5°	32	28	3	7	14
	45°	32	28	4	7	14
	90°	34	28	6	7	14
	TEE/PLUG	36	28	7	7	14
6"	11.25 & 22.5°	35	29	4	9	15
	45°	36	29	6	9	15
	90°	38	29	7	9	15
	TEE/PLUG	40	29	9	9	15
8"	11.25 & 22.5°	38	31	5	11	17
	45°	40	31	6	11	17
	90°	52	34	9	11	22
	TEE/PLUG	44	31	11	11	17
10" & 12"	11.25 & 22.5°	44	34	7	15	19
	45°	47/59	37	10	15	24
	90°	70/91	38/44	13	15	30/39
	TEE/PLUG	57/71	35/39	15	15	22/28
14" & 16"	11.25 & 22.5°	53	38	7	19	23
	45°	72/85	45	10	19	31/37
	90°	108/129	49/55	18	19	46/56
	TEE/PLUG	88/102	47	19	19	35/41
18"	11.25 & 22.5°	61	41	9	22	26
	45°	98	50	11	22	44
	90°	142	58	20	22	61
	TEE/PLUG	118	52	22	22	48

NOTES:

1. THRUST BLOCKS ARE BASED ON A WORKING PRESSURE OF 200 P.S.I. 36" COVER & 2000 P.S.F. ALLOWABLE SOIL BEARING PRESSURE.
2. FOR PIPE SIZES NOT SHOWN USE DIMENSIONS FOR NEXT LARGER SIZE.
3. USE 3/8" PLYWOOD SEPARATOR BETWEEN BLOCKS AND PLUGS TO PROVIDE FOR FUTURE REMOVAL.
4. BENCH UTILITIES AT BENDS WHERE ADJACENT TO OTHER UTILITIES TO MAINTAIN THRUST BLOCKS AGAINST UNDISTURBED EARTH. SEE DETAIL THIS SHEET.



CONCRETE THRUST BLOCK DETAIL
NOT TO SCALE



TWO WAY SANITARY SEWER CLEANOUT DETAIL
NOT TO SCALE

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CHECKED BY: RVJ

PROJECT NUMBER:
21-620

DATE:
2023.05.17

DETAILS

SHEET NUMBER:
C9.2

MISSOURI ONE CALL SYSTEM
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DWG: F:\2021\06501-07000\021-06600\40-Design\AutoCAD\Final Plans\Sheets\GNCV\C_DTL01_02106600.dwg USER: bstringer
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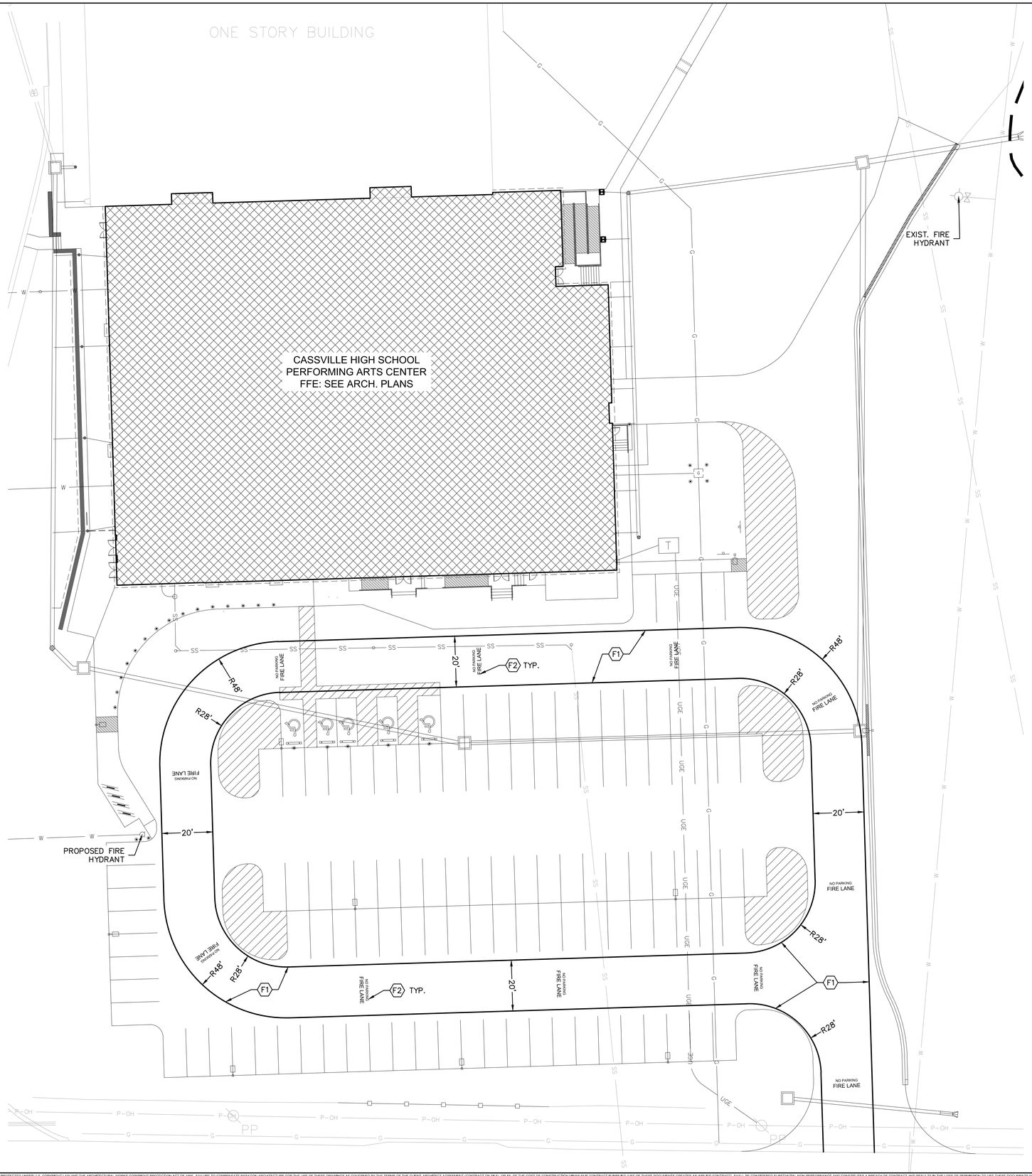

PAVEMENT MARKING NOTES:

1. DO NOT APPLY PAVEMENT MARKING PAINT UNTIL LAYOUT, COLORS AND PLACEMENT HAVE BEEN VERIFIED WITH THE ARCHITECT.

2. ALLOW CONCRETE PAVING TO AGE FOR 28 DAYS BEFORE MARKING.

3. SWEEP AND CLEAN SURFACE.

4. PAINT FOR MARKING PAVEMENT SHALL CONFORM TO FEDERAL HIGHWAY MARKING STANDARDS. USE SHERWIN WILLIAMS PROFESSIONAL FAST DRY ACRYLIC LATEX TRAFFIC MARKING PAINT OR EQUAL, UNLESS OTHERWISE DIRECTED, USE THE FOLLOWING:
A. PROVIDE PAINTED CURBS AT FIRE LANE DESIGNATIONS PER FIRE MARSHAL REQUIREMENTS.

5. APPLY ALL MARKINGS USING APPROVED MECHANICAL EQUIPMENT (WITH PROVISIONS FOR CONSTANT AGITATION OF PAINT), CAPABLE OF APPLYING THE MARKING WIDTHS AS SHOWN. PROVIDE A MINIMUM WET FILM THICKNESS OF 15 MILS. USE PNEUMATIC SPRAY GUNS FOR HAND APPLICATION OF PAINT. ALL PAINTING EQUIPMENT AND OPERATIONS SHALL BE UNDER THE CONTROL OF EXPERIENCED TECHNICIANS THOROUGHLY FAMILIAR WITH EQUIPMENT AND MATERIALS AND MARKING LAYOUTS.

6. DETAIL PAVEMENT MARKINGS SHALL BE THAT MARKING, EXCLUSIVE OF ACTUAL TRAFFIC LANE MARKING, AT EXIT AND ENTRANCE ISLANDS AND TURNOUTS, ON CURBS, AT CROSSWALKS, AT PARKING BAYS AND AT SUCH OTHER LOCATIONS AS SHOWN. USE A SUITABLE TEMPLATE THAT WILL PROVIDE A PAVEMENT MARKING WITH TRUE, SHARP EDGES AND ENDS.

FIRE FLOW CALCULATIONS:

PER 2006 & 2018 IFC SECTION B105, THE REQUIRED FIRE FLOW IS AS FOLLOWS:

PROPOSED BUILDING 28,800 S.F. (MAXIMUM), TYPE 1A CONSTRUCTION, SPRINKLED.

PER 2006 & 2018 IFC SECTIONS C103, C104 AND C105, THE NUMBER OF HYDRANTS REQUIRED IS 8. THERE ARE EXISTING HYDRANTS AS DESCRIBED BELOW.

THE CITY OF CASSVILLE PROVIDED FLOW TEST INFORMATION ON THE EXISTING FIRE HYDRANT WHICH IS LOCATED APPROX. 300' SOUTH FROM THE SOUTHWEST CORNER OF THE SITE ON THE EAST SIDE OF N. MAIN STREET:
PITOT PRESSURE 20 PSI
FLOW 650 GPM
RESIDUAL PRESSURE 76 PSI
STATIC PRESSURE 88 PSI
CALCULATED AVAILABLE FIRE FLOW AT EXISTING
FIRE HYDRANT (SEE CALCULATION BELOW)

$QR = QF \times (HR/HF)^{0.54}$

QR = FLOW AVAILABLE AT DESIRED RESIDUAL PRESSURE (DESIRED RESIDUAL PRESSURE = 76 PSI)
QF = FLOW OBTAINED DURING FLOW TEST
HR = PRESSURE DROP TO THE DESIRED RESIDUAL PRESSURE
HF = PRESSURE DROP DURING THE TEST

$QR = 650\ GPM \times [(88\ PSI - 20\ PSI)/(88\ PSI - 76\ PSI)]^{0.54}$

$QR = 1658\ GPM$

WITH THE FRICTION AND FITTING LOSSES, FLOWS AT EXISTING & PROPOSED HYDRANTS WILL NOT BE EXCEEDING THE MINIMUM OF 1750 GPM AS REQUIRED IN SECTION B105.1 OF THE 2018 IFC.

A FIRE PUMP WILL BE PROVIDED TO MEET THE MINIMUM GPM REQUIREMENT. SEE MEP PLANS FOR DETAILS

FIRE LANE FLAG NOTES:

F1 ——— PAVEMENT SHALL BE STRIPED BY 4" SOLID RED LINE FOR DEMARCATING LIMITS OF EMERGENCY ACCESS

F2 NO PARKING FIRE LANE — 12" MIN. HEIGHT FIRE LANE TEXT SHALL BE PAINTED RED AND OCCUR EVERY 50' O.C. MAX. SPACING

LEGEND

RIGHT-OF-WAY LINE
PROPERTY LINE
UTILITY EASEMENT

N

0' 10' 20' 40'
SCALE IN FEET

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PROJECT NUMBER:
21-620

DATE:
2023.05.17

EMERGENCY VEHICLE ACCESS PLAN

SHEET NUMBER:
C10.0

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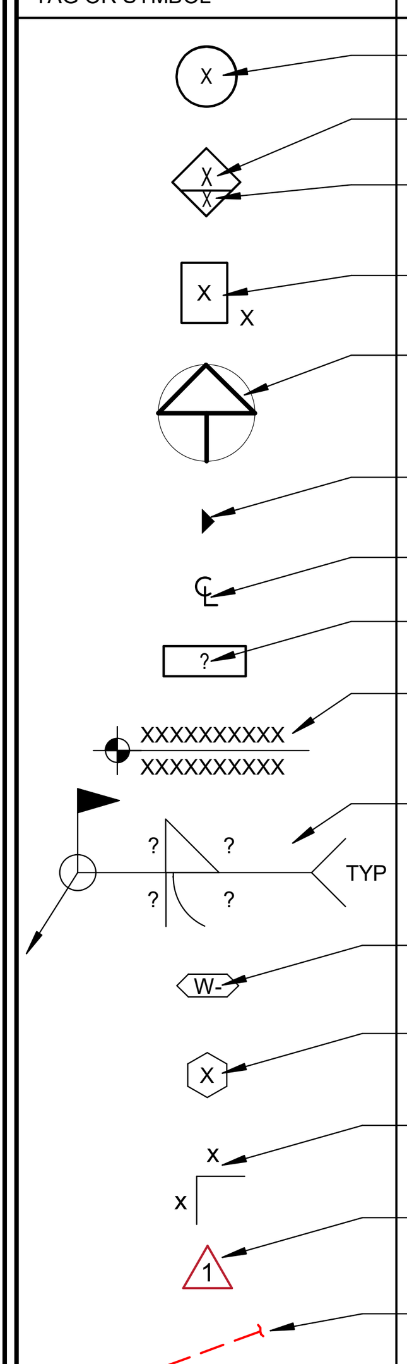
LOADING TABLE AND CODE INFORMATION

1.	DESIGN CODE		IBC 2006
	RISK CATEGORY		III
2.	DEAD LOADS		
	A.	TYPICAL ROOF DEAD LOAD	SELF WT
	B.	TYPICAL COLLATERAL LOAD	7 PSF
	C.	AUDITORIUM COLLATERAL LOAD	12 PSF
	D.	MEZZANINE DEAD LOAD	25 PSF
	E.	MEZZANINE COLLATERAL LOAD	5 PSF
	F.	STAGE DEAD LOAD	75 PSF
3.	LIVE LOADS		
	A.	TYPICAL ROOF LIVE LOAD	20 PSF
	B.	MEZZANINE LIVE LOAD	50 PSF
	C.	STAGE LIVE LOAD	150 PSF
	D.	STAGE POINT LOAD	1,500 LBS
4.	SNOW LOAD		
	A.	FLAT ROOF SNOW LOAD w/ RAIN-ON-SNO...	21 PSF
	B.	GROUND SNOW LOAD (pg)	20 PSF
	C.	EXPOSURE FACTOR (Ce)	1.0
	D.	THERMAL FACTOR (Ct)	1.0
	E.	IMPORTANCE FACTOR (Is)	1.1
	F.	DRIFT	PER CODE
5.	WIND LOAD DESIGN CRITERIA		
	A.	ULTIMATE DESIGN WIND SPEED (Vult)	90 MPH
	B.	EXPOSURE CATEGORY	C
	C.	DIRECTIONALITY FACTOR (Kd)	0.85
	D.	TOPOGRAPHIC FACTOR (Kzt)	1.0
	E.	INTERNAL PRESSURE COEFFICIENT (GCpi)	+/- 0.18
	F.	IMPORTANCE FACTOR (Iw)	1.15
6.	SEISMIC LOAD DESIGN CRITERIA		
	A.	SHORT PERIOD ACCELERATION (SS)	0.168
	B.	LONG PERIOD ACCELERATION (S1)	0.095
	C.	SITE CLASS	D
	D.	SHORT PERIOD RESPONSE (SDS)	0.179
	E.	LONG PERIOR RESPONSE (SD1)	0.153
	F.	SEISMIC DESIGN CATEGORY	C
	G.	IMPORTANCE FACTOR (Ie)	1.25

1 (revision tag)

SYMBOL LEGEND



TAG OR SYMBOL	DESCRIPTION
	FOOTING TYPE (SEE SCHEDULE)
	COLUMN TYPE (SEE SCHEDULE)
	BASEPLATE TYPE (SEE COLUMN SCHEDULE AND PLAN)
	SHEARWALL TYPE (SEE SCHEDULE)
	NORTH ARROW (COORDINATE EXACT DIRECTION w/ ARCH AND CIVIL DWGS)
	MOMENT CONNECTION (SEE PLAN AND NOTES)
	CENTERLINE
	KEYNOTE
	ELEVATION MARKER
	WELD SYMBOL
	CMU WALL TAG
	PEDESTAL TAG
	REINFORCING BAR
	REVISION TAG
	BRACE MEMBER SYMBOL

ABBREVIATIONS

1. A.R.= ANCHOR ROD
2. ACI= AMERICAN CONCRETE INSTITUTE
3. AISC= AMERICAN INSTITUTE OF STEEL CONSTRUCTION
4. AISI= AMERICAN IRON AND STEEL INSTITUTE
5. ARCH= ARCHITECTURE/ARCHITECT
6. ASTM= AMERICAN SOCIETY FOR TESTING AND MATERIALS
7. A.W.= AFTER WELDING
8. AWS= AMERICAN WELDING SOCIETY
9. BAR= REBAR
10. B.O.= BOTTOM OF
11. B.O.A.= BACK OF ANGLE
12. B.O.F.= BOTTOM OF FOOTING
13. B.O.S.= BOTTOM OF STEEL
14. BRG= BEARING
15. BTM= BOTTOM
16. CANT= CANTILEVERED
17. C.I.P.= CAST-IN-PLACE
18. C.J.P.= COMPLETE JOINT PENETRATION WELD
19. CL= CENTERLINE
20. CLR= CLEAR
21. CMU= CONCRETE MASONRY UNIT
22. COL= COLUMN
23. CONC= CONCRETE
24. CONN= CONNECTION
25. CONT= CONTINUOUS
26. D.B.= DECK BEARING
27. D.B.A.= DEFORMED BAR ANCHOR
28. D.E.= DECK EDGE
29. DIA= DIAMETER
30. DL= DEAD LOAD
31. DTL= DETAIL
32. DWG= DRAWING
33. E= EXISTING
34. EA= EACH
35. E.F.= EACH FACE
36. EL= ELEVATION
37. EPS= EXPANDED POLYSTYRENE
38. EQ= EQUAL
39. E.W.= EACH WAY
40. EXT= EXTERIOR
41. f'c= CONCRETE COMPRESSIVE STRENGTH
42. F.F.= FINISHED FLOOR
43. FND= FOUNDATION
44. F.O.W.= FACE OF WALL
45. F.S.= FAR SIDE
46. FTG= FOOTING
47. F.V.= FIELD VERIFY
48. GA= GAGE / GAUGE
49. GALV= GALVANIZED
50. G.B.= GRADE BEAM
51. G.C.= GENERAL CONTRACTOR
52. (H)= HIGH
53. H&L= HIGH & LOW
54. H.A.S.= HEADED ANCHOR STUD
55. HORIZ= HORIZONTAL
56. IBC= INTERNATIONAL BUILDING CODE
57. I.D.= INSIDE DIAMETER
58. INFO= INFORMATION
59. INT= INTERIOR
60. J.B.= JOIST BEARING
61. J.B.E.= JOIST BEARING ELEVATION
62. KIP= 1000 POUNDS
63. KSI= KIPS PER SQUARE INCH
64. (L)= LOW
65. L= LENGTH
66. LB= POUND
67. LGSF= LIGHT-GAGE STEEL FRAMING
68. LL= LIVE LOAD
69. LLH= LONG LEG HORIZONTAL
70. LLV= LONG LEG VERTICAL
71. LONG= LONGITUDINAL
72. L.P.= LAYOUT POINT
73. LVL= LAMINATED VENEER LUMBER
74. LW= LIGHTWEIGHT
75. MAX= MAXIMUM
76. MECH= MECHANICAL
77. MEP= MECHANICAL, ELECTRICAL, PLUMBING
78. MFR= MANUFACTURER
79. MIL= THOUSANDS OF AN INCH
80. MIN= MINIMUM
81. MISC= MISCELLANEOUS
82. MTL= METAL
83. N.I.C.= NOT IN CONTRACT
84. N.S.= NEAR SIDE
85. N.T.S.= NOT TO SCALE
86. N.W.= NORMAL WEIGHT
87. O.C.= ON CENTER
88. O.D.= OUTSIDE DIAMETER
89. OPP= OPPOSITE / OPPOSITE HAND
90. PAF= POWDER ACTUATED FASTENER
91. P.C.F.= POUNDS PER CUBIC FOOT
92. PEMB= PRE-ENGINEERED METAL BUILDING
93. PLF= POUNDS PER LINEAR FOOT
94. PPT= PRESERVATIVE PRESSURE TREATED
95. PSF= POUNDS PER SQUARE FOOT
96. PSI= POUNDS PER SQUARE INCH
97. PT= POST TENSIONED
98. REINF= REINFORCING
99. REQ= REQUIRE
100. RTU= ROOF TOP UNIT
101. S.C.= SLIP CRITICAL
102. SCH= SCHEDULE
103. SDI= STEEL DECK INSTITUTE
104. SIM= SIMILAR
105. SJI= STEEL JOIST INSTITUTE
106. SL= SNOW LOAD
107. S.O.G.= SLAB ON GRADE
108. SPECS= SPECIFICATIONS
109. STD= STANDARD
110. STL= STEEL
111. T= THICKNESS
112. T&B= TOP AND BOTTOM
113. T.O.= TOP OF
114. T.O.F.= TOP OF FOOTING
115. T.O.P.= TOP OF PEDESTAL
116. T.O.S.= TOP OF STEEL
117. T.O.W.= TOP OF WALL
118. TYP= TYPICAL
119. UL= ULTIMATE LOAD
120. U.N.O.= UNLESS NOTED OTHERWISE
121. VERT= VERTICAL
122. VLD= VERTICAL LEG DOWN
123. W= WIDTH
124. WL= WIND LOAD
125. W.P.= WORK POINT
126. WWF= WELDED WIRE FABRIC
127. (#)= QUANTITY

MEANS AND METHODS

1. DESIGN LOADINGS AND STRUCTURAL ANALYSIS IS BASED ON CODE PRESCRIBED LOADS FOR THE COMPLETED STRUCTURE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION.
3. THIS STRUCTURE IS DESIGNED TO BE STABLE AS A COMPLETE WHOLE. ANY AND ALL TEMPORARY BRACES AND SHORING REQUIRED TO RESIST ALL LOADS DURING CONSTRUCTION SHALL BE DESIGNED AND SUPPLIED BY THE CONTRACTOR.
4. HEAVY LOADS THAT EXCEED 75% OF ALLOWABLE LIVE LOADS SHOWN ON THE PLANS, FOR TEMPORARY EQUIPMENT, CONSTRUCTION MATERIALS, OR OTHER LOADS NOT SHOWN IN THE CONTRACT DOCUMENTS, SHALL NOT BE PLACED OR SUPPORTED FROM ELEVATED STRUCTURE WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

EXISTING DIMENSIONS & CONDITIONS

1. THIS PROJECT CONSISTS OF AN ADDITION AND/OR MODIFICATIONS TO AN EXISTING BUILDING. INFORMATION ON EXISTING CONDITIONS, WHEN AVAILABLE, HAS BEEN TAKEN FROM FIELD MEASUREMENTS. SOME EXISTING CONDITIONS ARE INACCESSIBLE OR HIDDEN FROM VIEW AND CONDITIONS MAY BE DISCOVERED DURING CONSTRUCTION THAT VARY FROM THE ANTICIPATED CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING DIMENSIONS SHOWN ON THESE DRAWINGS AND TO VERIFY THE LOCATION OF ALL FRAMING MEMBERS AND ANY OBSTRUCTIONS WHICH WILL AFFECT THE WORK. AS A PART OF THE WORK, THE CONTRACTOR SHALL PREPARE AN ACCURATE FIELD SURVEY OF THE LOCATION OF ALL STRUCTURAL MEMBERS AND ANY OBSTRUCTIONS IN THE WORK AREA PRIOR TO BEGINNING SHOP DRAWINGS AND CONSTRUCTION. THIS SURVEY SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER WITH ANY VARIANCES NOTED.
2. CONTRACTOR SHALL NOTIFY ENGINEER/ARCHITECT OF ANY DETERIORATION, CORROSION, CUTTING/NOTCHING OF MEMBERS, SIGNS OF WEAR, OR OTHER DAMAGE WHICH MAY COMPROMISE THE STRUCTURE. THESE CONDITIONS MAY NOT BE APPARENT UNTIL THE CONSTRUCTION WORK IS UNDERWAY.

DEFERRED SUBMITTAL NOTES

1. THE FOLLOWING SUBMITTALS SHALL BE SUBMITTED FOR REVIEW AT A LATER DATE:
   - EXTERIOR LIGHT GAUGE FRAMING
   - PRE-ENGINEERED METAL BUILDING PACKAGE
2. SUBMITTALS SHALL INCLUDE PLANS, DETAILS AND CALCULATIONS SEALED BY AN ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED.

CONCRETE NOTES

1. CONCRETE FOR FOUNDATIONS, FOOTINGS AND INTERIOR SLABS ON GRADE SHALL BE AS FOLLOWS:
   - 28-DAY COMPRESSIVE STRENGTH: 3000 PSI
   - MAXIMUM WATER TO CEMENT RATIO: 0.52
   - SLUMP: 4" ±1"
2. CONCRETE FOR EXTERIOR USES, SIDEWALKS, RETAINING WALLS, BASEMENT WALLS, AND EXTERIOR SLABS ON GRADE SHALL BE AS FOLLOWS:
   - 28-DAY COMPRESSIVE STRENGTH: 4000 PSI
   - MAXIMUM WATER TO CEMENT RATIO: 0.45
   - SLUMP: 4" ±1"
   - AIR-ENTRAINMENT: 6% ±1%
     AIR-ENTRAINING ADMIXTURE SHALL CONFORM TO ASTM C260.
3. NO LIME SAND FINE AGGREGATE MAY BE USED IN CONCRETE EXPOSED TO WEATHER, VIEW, OR IN HORIZONTAL APPLICATIONS.
4. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
5. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. LAP FABRIC 9" ON SIDES AND ENDS. MAINTAIN WIRE 1" TO 2" BELOW TOP SURFACE OF SLABS ON GRADE. PROVIDE CHAIRS, BOLSTERS OR OTHER APPROVED MEANS TO PROPERLY LOCATE REINFORCING.
6. IF ADDITIONAL FLOWABILITY IS REQUIRED FOR PLACEMENT OF ANY CONCRETE MIX, A WATER-REDUCING ADDITIVE CONFORMING TO ASTM C494, TYPE A, D, E OR F SHALL BE USED. NO ADDITIONAL WATER MAY BE ADDED TO THE MIX AT THE SITE. SLUMP FOR CONCRETE CONTAINING WATER-REDUCING OR HIGH-RANGE WATER-REDUCING ADMIXTURE SHALL NOT EXCEED 8" AFTER ADMIXTURE IS ADDED TO CONCRETE WITH A 2"-4" SLUMP.
7. INTERIOR SLABS SHALL HAVE SMOOTH TROWELED FINISH AND EXTERIOR SLABS SHALL HAVE LIGHT BROOM FINISH, UNO. ALL SLABS SHALL HAVE A CURING COMPOUND COMPLYING WITH ASTM C309 APPLIED TO SURFACE. EXCEPTIONS ARE WHERE FLOOR FINISHES REQUIRE SCRATCH FINISH AND WHERE CURING COMPOUNDS ARE NOT COMPATIBLE WITH ADHESIVES, ETC.
8. CONTRACTOR SHALL COORDINATE ALL CONCRETE SEALERS, CURING COMPOUNDS, ETC TO ENSURE COMPATIBILITY WITH FLOORING ADHESIVES FOR FLOORING INDICATED IN THE FLOOR PLANS AND FLOOR FINISH PLANS AS APPLICABLE.
9. TESTING OF FRESH CONCRETE SHALL BE DONE BY A QUALIFIED TESTING LABORATORY RETAINED BY THE OWNER AND APPROVED BY THE ENGINEER. TESTING SHALL INCLUDE:
   - SLUMP
   - AIR CONTENT
   - CONCRETE TEMPERATURE
   - 28 DAY COMPRESSIVE STRENGTH
   - NOTE ANY WATER OR ADMIXTURES ADDED ON-SITE
10. REFER TO ASTM C172 AND C94. PERFORM ONE SLUMP AND ONE AIR CONTENT TEST FOR EACH DAYS POUR AND ADDITIONAL TESTS WHEN THE CONCRETE CONSISTENCY SEEMS TO HAVE CHANGED IN THE OPINION OF THE INSPECTOR. REFER TO ASTM C143, C173 AND C231. PERFORM TEMPERATURE TESTS HOURLY WHEN THE AMBIENT AIR TEMPERATURE IS BELOW 40 DEGREES F OR ABOVE 80 DEGREES F AND ONE TEMPERATURE TEST FOR EACH SET OF COMPRESSIVE-STRENGTH SPECIMENS. REFER TO ASTM C1064. PERFORM ONE COMPRESSIVE-STRENGTH TEST FOR EACH DAYS POUR AND AN ADDITIONAL TEST FOR EACH 50 CUBIC YARD MORE THAN THE FIRST 25 CUBIC YARD. TEST ONE SPECIMEN AT 7 DAYS AND 2 SPECIMENS AT 28 DAYS. REFER TO ASTM C31 AND C39.
11. CONCRETE FOR GROUTING MASONRY UNITS IS SPECIFIED IN CONCRETE MASONRY UNIT NOTES.
12. WHERE FOOTINGS, WALLS, OR OTHER STRUCTURAL ELEMENTS INTERSECT, CORNER OR TEE, PROVIDE CORNER BARS WITH REQUIRED LAP LENGTHS TO PROVIDE CONTINUITY OF HORIZONTAL STEEL REINFORCING UNO.
13. PROVIDE A MINIMUM OF 3" COVER FOR ANCHOR BOLTS AND LOCATE HORIZONTAL REINFORCEMENT TO THE OUTSIDE FOR ANCHOR BOLT CONTAINMENT, UNO.
14. PROVIDE TEMPORARY SHORING AND BRACING OF ALL STRUCTURAL AND MISCELLANEOUS ELEMENTS UNTIL CONCRETE HAS OBTAINED 80% OF DESIGN STRENGTH AND ALL PERMANENT BRACING ELEMENTS ARE INSTALLED.
15. UNLESS NOTED OTHERWISE, PROVIDE CONSTRUCTION JOINTS IN SLABS ON GRADE AT APPROXIMATELY 50 FEET IN EACH DIRECTION. PROVIDE CONTROL JOINTS IN SLABS ON GRADE AT APPROXIMATELY 10 FEET ON CENTER IN EACH DIRECTION. JOINTS SHALL FORM NEARLY SQUARE SHAPES. CONTRACTOR SHALL COORDINATE JOINT LOCATIONS WITH TILE LAYOUT AS SHOWN IN THE FLOOR PLANS AND FLOOR FINISH PLANS AS APPLICABLE.
16. WHERE DOWELS, BOLTS OR INSERTS ARE CALLED TO BE ANCHORED TO CAST IN PLACE OR PRECAST CONCRETE ELEMENTS USING EPOXY ADHESIVES, USE ANCHORAGE SYSTEM EQUAL TO "HILTI" HIT RE 500 INJECTION ADHESIVE. FOLLOW ALL MANUFACTURERS RECOMMENDATIONS. ALTERNATE ANCHORAGE SYSTEMS MAY BE USED WITH ENGINEER'S PRIOR APPROVAL.
17. SAWN CONTROL JOINTS SHALL BE PLACED AS SOON AS CONCRETE IS ABLE TO BE SAWN WITHOUT PULLING OUT AGGREGATE FROM FLOOR. SLABS SHALL NOT BE LEFT OVERNIGHT, OR ANY REASONABLE AMOUNT OF TIME, WITHOUT SAWING JOINTS. WEATHER IS CRITICAL TO SCHEDULE OF SAWN JOINTS. IF LARGE AREAS OF SLAB ARE POURED AT ONE TIME, SEVERAL SAWS MAY BE REQUIRED TO PROVIDE JOINTS IN TIME TO PREVENT SHRINKAGE CRACKING. PROPER JOINTING OF SLAB IS CRITICAL. REFER TO ACI MANUAL OF CONCRETE PRACTICE FOR PROPER JOINTING TECHNIQUES.
18. DETAILING, MATERIALS AND INSTALLATION OF CONCRETE REINFORCING STEEL SHALL MEET REQ. AS SET FORTH BY CRSI AND THE AMERICAN CONCRETE INSTITUTE AND THE APPLICABLE BUILDING CODE.
19. SHOP DRAWINGS SHALL BE SUBMITTED INDICATING COMPLETE INFORMATION REQUIRED FOR CONSTRUCTION OF THE REINFORCED CONCRETE ELEMENTS. SHOP DRAWINGS SHALL INCLUDE LAYOUT AND DIMENSIONS OF REINFORCING INCLUDING ANY OPENINGS, CONVENTIONAL REINFORCEMENT DETAILS, CONNECTION DETAILS, PROCEDURES AND SEQUENCES ETC.
20. WHEN PLACING CONCRETE IN HOT WEATHER, REFER TO ACI 301, WHEN PLACING CONCRETE IN COLD WEATHER, REFER TO ACI 306.1.

GENERAL FOUNDATION & SLAB ON GRADE NOTES

1. IN AREA OF THE STRUCTURE, EXISTING ORGANIC MATERIAL, UNSUITABLE SOIL, ABANDONED FOOTINGS AND ANY OTHER EXISTING UNSUITABLE MATERIALS SHALL BE REMOVED. ANY FILL MATERIAL REQUIRED AT THE SITE SHALL BE OF A SIMILAR TYPE SOIL THAT IS PRESENT AT THIS SITE EXHIBITING LIQUID LIMIT VALUES BELOW 50 AND PLASTIC INDEX VALUES BELOW 10. ROCKS GREATER THAN 6 IN. SHALL BE EXCLUDED FROM STRUCTURAL FILL LIFTS. FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS NO GREATER THAN 8 INCHES IN DEPTH AND SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY BASED ON STANDARD PROCTOR DENSITIES (ASTM D-698). ADEQUATE FIELD DENSITY AND MOISTURE CONTENT TESTS SHALL BE PERFORMED TO ENSURE COMPLIANCE WITH REQUIREMENTS.
2. TESTING OF CONTROLLED STRUCTURAL FILL SHALL BE DONE BY A QUALIFIED TESTING LABORATORY RETAINED BY THE OWNER. SEE STRUCTURAL DRAWINGS FOR REQUIRED TESTING. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK WITH INSPECTOR.
   - AFTER STRIPPING SITE AND PRIOR TO PLACEMENT OF ANY FILL, NOTIFY SPECIAL INSPECTOR/TESTING AGENCY FOR INSPECTION OF SOIL CONDITIONS. INSPECTION SHALL INCLUDE PROOF ROLLING SITE WITH HEAVY EQUIPMENT PROVIDED BY THE CONTRACTOR.
   - AFTER EXCAVATION FOR FOUNDATIONS AND PRIOR TO PLACEMENT OF STEEL REINFORCEMENT OR CONCRETE, NOTIFY SPECIAL INSPECTOR/TESTING AGENCY FOR INSPECTION OF SOIL CONDITIONS. WHEN SOIL OF INADEQUATE STRENGTH IS NOTED, CONTRACTOR SHALL FURTHER DEEPEN EXCAVATIONS UNTIL SUITABLE BEARING CONDITIONS ARE VERIFIED BY TESTING. OVEREXCAVATIONS MAY BE BACKFILLED WITH SUITABLE COMPACTED ENGINEERED FILL, SUITABLE GRANULAR BASE, OR STRUCTURAL CONCRETE BACKFILL.
3. EXTERIOR FOOTINGS SHALL BEAR AT MIN. DEPTHS AS NOTED IN FOOTING SECTIONS AND PLANS, 30" BELOW EXTERIOR FINISH GRADE, OR INTO APPROVED BEARING STRATA, WHICHEVER DEPTH IS GREATER. NOTE THAT FOOTING BEARING ELEVATIONS GIVEN ON THE PLANS ARE ESTIMATED DEPTHS ONLY. WHERE UNSUITABLE SOIL IS ENCOUNTERED, FOOTING DEPTHS MAY VARY.
4. EXCAVATION FOR FOOTINGS SHALL BE CUT TO ACCURATE SIZE AND DIMENSIONS AS SHOWN ON PLANS. ALL SOIL BELOW SLABS AND FOOTINGS SHALL BE PROPERLY COMPACTED AND SUBGRADE BROUGHT TO A REASONABLE TRUE AND LEVEL PLANE BEFORE PLACING CONCRETE.
5. CONTINUOUS FOOTINGS AND INDIVIDUAL FOOTINGS ARE DESIGNED FOR A NET ALLOWABLE SOIL BEARING OF
   - CONTINUOUS FOOTINGS: 1500 PSF
   - INDIVIDUAL FOOTINGS: 1500 PSF
   - FOR EITHER NATURALLY OCCURRING SOIL OR COMPACTED ENGINEERED FILL.
6. TYPICAL SLABS ON GRADE
   - THICKNESS: 4" THICK NORMAL WEIGHT CONCRETE
   - REINFORCING: 6x6-W1.4xW1.4 WELDED WIRE FABRIC (WWF)
   - VAPOR BARRIER: 15 MIL., (ASTM E1745 CLASS A)
   - SUBGRADE: A MINIMUM OF 4" OF FREE-DRAINING GRANULAR BASE.
   - MAINTAIN REINFORCING 1"-2" BELOW TOP SURFACE OF SLABS ON GRADE. PROVIDE BOLSTERS, CHAIRS OR OTHER MEANS APPROVED IN WRITING BY THE ENGINEER TO PROPERLY LOCATE REINFORCING.
   - IN SOME CASES 1.5 POUNDS (MIN) OF POLYPROPYLENE FIBRILLATED FIBERS PER CUBIC YARD REINFORCING MAY BE SUBSTITUTED FOR THE WWF REINFORCING. ANY VISIBLE FIBERS REMAINING AFTER CONCRETE HAS CURED SHALL BE TORCHED OFF. THIS SUBSTITUTION IS NOT ALWAYS APPROPRIATE AND SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
7. DRAINAGE FILL / GRANULAR BASE SHALL BE A FREE-DRAINING GRANULAR MATERIAL. USE #57 STONE OR EQUAL. REFER TO ASTM D448 FOR GRADATION.
8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN EXCAVATIONS AND BACKFILL MATERIALS AT AN APPROPRIATE MOISTURE CONTENT FOR PROPER SOIL BEARING CAPACITY AND COMPACTION.
9. CONTRACTOR SHALL COORDINATE WITH THE CIVIL / SITE DRAWINGS TO DETERMINE WHETHER FOUNDATION DRAINS AROUND PERIMETER OF BUILDING AND/OR UNDER THE SLAB-ON-GRADE SHALL BE REQUIRED AND, IF SO, SHALL RUN TO DAYLIGHT OR EXTENDED TO THE STORM SEWER.
10. AT RETAINING WALLS FILTER FABRIC SHALL BE PLACED AT THE INTERFACE BETWEEN THE DRAINAGE FILL AND EITHER NATURAL OR COMPACTED SUBGRADE. PERFORATED DRAINS SHALL ALSO BE WRAPPED WITH FILTER FABRIC.

POST-INSTALLED ANCHOR NOTES

1. CONTINUOUS INSPECTIONS ARE REQUIRED FOR POST INSTALLED ANCHOR BOLTS INCLUDING TYPE, SIZE, LENGTH, DRILLING METHOD, HOLE CLEANING PROCEDURES, AND ANCHOR INSTALLATION AND SETTING PROCEDURES.
2. ADHESIVE ANCHORS SHALL BE INSTALLED BY AN ADHESIVE ANCHOR INSTALLER WHO HAS BEEN CERTIFIED BY ACI AND TRAINED BY THE MANUFACTURER.
3. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.

PRE-ENGINEERED METAL BUILDING NOTES

1. COMPONENT ROOFING, BRACING, FRAMING, HAT CHANNELS, PURLINS AND GIRTS SHALL BE ENGINEERED, DESIGNED AND FABRICATED PER METAL BUILDING INDUSTRY STANDARDS. SUBMIT COMPONENT INFORMATION INCLUDING SIZE, LAYOUT, DETAILS AND INSTALLATION PROCEDURES. ACCOMMODATIONS SHALL BE MADE FOR SUPPORT OF CONCENTRATED LOADS AS SHOWN ON DRAWINGS.
2. METAL BUILDING COMPONENTS SHALL CONFORM TO LOCATION, SIZE, CONFIGURATIONS AND CONTROLLING HEIGHTS AS SHOWN IN THE DRAWINGS. VARIATIONS MAY BE ALLOWED ONLY BY WRITTEN APPROVAL OF THE ENGINEER.
3. THE FOUNDATIONS ARE DESIGNED TO SUPPORT ASSUMED MAXIMUM VERTICAL AND HORIZONTAL LOADS AT BUILDING FRAMES AND ENDWALL COLUMNS. NOTIFY ENGINEER OF THE ACTUAL BUILDING DESIGN LOADS FOR VERIFICATION OF FOUNDATION DESIGN.
4. PEDESTAL SIZES FOR METAL BUILDING COLUMNS ARE SHOWN IN DETAILS. REQUIRED DIMENSIONS MAY VARY FOR DIFFERENT METAL BUILDING MANUFACTURERS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND PROVIDE PEDESTALS PER MANUFACTURER REQUIREMENTS. SUBMIT ANY VARIATIONS FOR APPROVAL.
5. METAL BUILDING SUPPLIER SHALL PROVIDE TEMPLATES TO THE CONTRACTOR FOR ANCHOR BOLT PLACEMENT.
6. THE METAL BUILDING SUPPLIER SHALL DESIGN THE ROOF TO SUPPORT ALL LOADS FROM ROOF MOUNTED MECHANICAL, ELECTRICAL, AUDIO/VISUAL EQUIPMENT, STAGE CURTAIN, AND RIGGING. NOT ALL LOADS ARE INDICATED IN THE STRUCTURAL PLANS.
7. THE METAL BUILDING SUPPLIER SHALL DESIGN THE METAL BUILDING SYSTEM ASSEMBLIES TO WITHSTAND DESIGN LOADS INDICATED WITH LIVE LOAD DEFLECTIONS NO GREATER THAN THE FOLLOWING:
   - SECONDARY MEMBERS AND COMPONENTS SUPPORTING BRICK OR MASONRY:
     A. L/600
   - ALL OTHER MEMBERS AND COMPONENTS:
     A. L/360
   - LATERAL DRIFT(w/o BRICK VENEER):
     A. H/180 (WIND)
     B. H/120 (SEISMIC)
   - LATERAL DRIFT (w/ BRICK VENEER):
     A. H/300 (WIND)
     B. H/240 (SEISMIC)

STRAIGHT DOWEL DEVELOPMENT LENGTHS (INCHES)

BAR SIZE	TENSION						COMPRESSION		
	OTHER BARS			TOP BARS					
	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE
#3	17	15	13	22	19	17	9	8	8
#4	22	19	17	29	25	22	11	10	9
#5	28	24	22	36	31	28	14	12	12
#6	33	29	26	43	37	33	17	15	14
#7	48	42	37	63	54	49	20	17	16
#8	55	48	43	72	62	55	22	19	18
#9	62	54	48	81	70	63	25	22	21
#10	70	61	54	91	79	70	28	25	23
#11	78	67	60	101	87	78	31	27	25

NOTES:
1. TOP BARS ARE HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT.
2. LAP SPLICE LENGTHS ARE BASED ON BARS SPACED AT (2) BAR DIAMETERS OR MORE ON CENTER W/ (1) BARS DIAMATER MINIMUM ON CONCRETE COVER. NOTIFY ENGINEER IF SPACING IS LESS THAN (2) BAR DIAMETERS.

LAP SPLICE LENGTHS (INCHES)

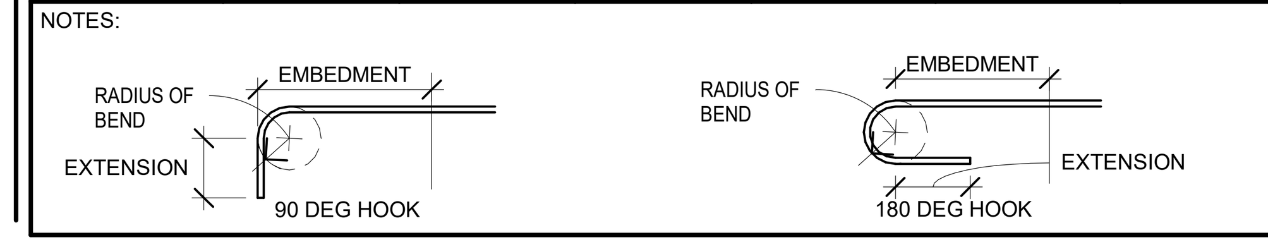
BAR SIZE	TENSION (CLASS B SPLICE)						COMPRESSION
	OTHER BARS			TOP BARS			3000 PSI 4000 PSI 5000 PSI CONCRETE
	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE	
#3	22	19	17	28	24	22	12
#4	29	25	22	37	32	29	15
#5	36	31	28	47	40	36	19
#6	43	37	33	56	48	43	23
#7	63	54	49	81	70	63	27
#8	72	62	55	93	80	72	30
#9	81	70	63	105	91	81	34
#10	91	79	70	118	102	91	38
#11	101	87	78	131	113	101	43

NOTES:
1. TOP BARS ARE HORIZONTAL REINFORCEMENT PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE REINFORCEMENT.
2. LAP SPLICE LENGTHS ARE BASED ON BARS SPACED AT (2) BAR DIAMETERS OR MORE ON CENTER W/ (1) BAR DIAMETER MINIMUM OF CONCRETE COVER. NOTIFY ENGINEER IF SPACING IS LESS THAN (2) BAR DIAMETERS.

HOOKED DOWEL DEVELOPMENT LENGTHS IN TENSION (INCHES)

BAR SIZE	EMBEDMENT			EXTENSION		MINIMUM RADIUS OF BEND (INCHES)
	3000 PSI CONCRETE	4000 PSI CONCRETE	5000 PSI CONCRETE	90 DEG HOOK	180 DEG HOOK	
#3	8	7	6	4.5	2.5	1.50
#4	11	9	8	6.0	2.5	2.00
#5	14	12	11	7.5	2.5	2.50
#6	16	14	13	9.0	3.0	3.00
#7	19	17	15	10.5	3.5	3.50
#8	22	19	17	12.0	4.0	4.00
#9	25	21	19	13.5	4.5	5.64
#10	28	24	22	15.2	5.1	6.35
#11	31	27	24	16.9	5.6	7.05

NOTES:



PARAGON ARCHITECTURE

MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-2016000415

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STATE OF MISSOURI
CHARLES M. TAYLOR
NUMBER
PE-2017014241
PROFESSIONAL ENGINEER
6/2/2023

Charles M. Taylor, PE
Lic. No. PE 2017014241
Firm COA: 2014035826

REVISION SCHEDULE

1	REV01	2023.06.02

PROJECT DESCRIPTION:
CASSVILLE HS: PERFORMING ARTS CENTER
1825 STATE HWY Y, CASSVILLE, MO 65625

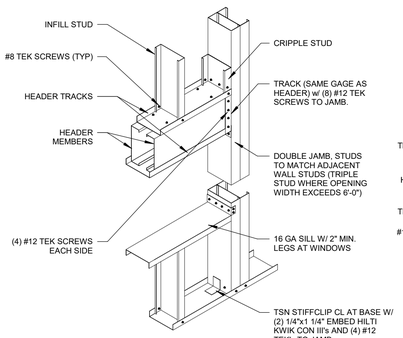
PROJECT ENGINEER: CMT
DRAWN BY: CAW
CHECKED BY: CMT

PROJECT NUMBER:
21-620

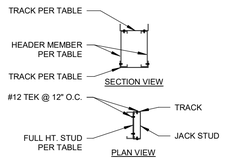
DATE:
2023.05.17

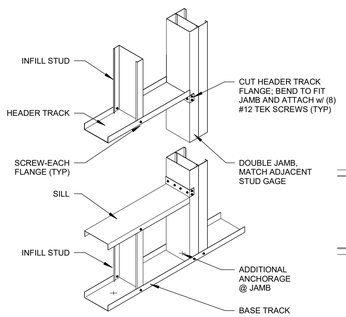
GENERAL NOTES

SHEET NUMBER:
S0-0



HEADER/SILL DETAIL AT EXTERIOR NON-LOAD BEARING WALL





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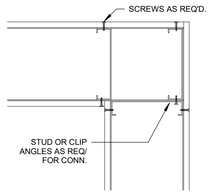
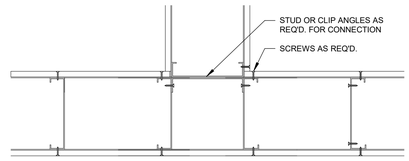
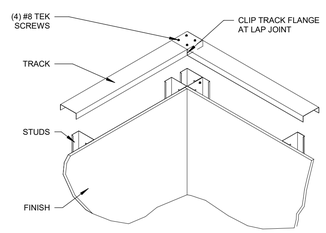


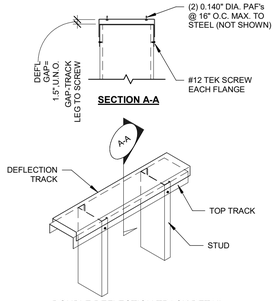
TYPICAL CORNER DETAIL



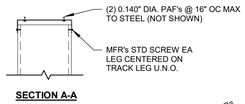
WALL INTERSECTION FRAMING

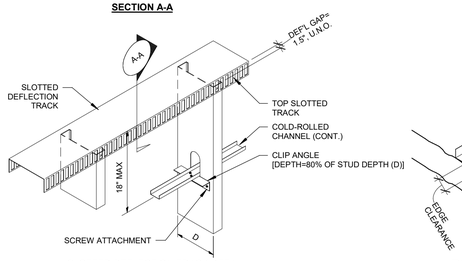


TYPICAL TRACK AT CORNER

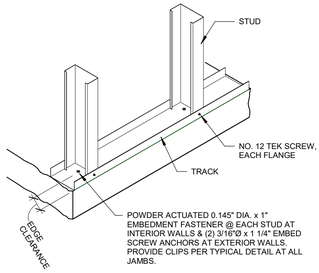


DOUBLE DEFLECTION TRACK DETAIL

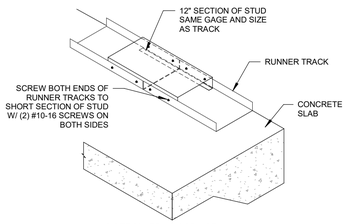




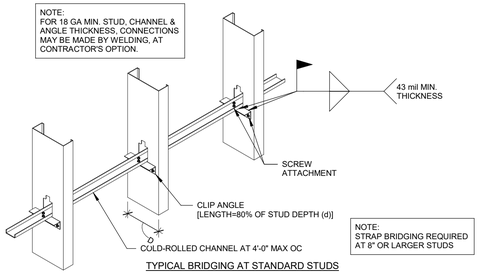
SLOTTED DEFLECTION TRACK DETAIL



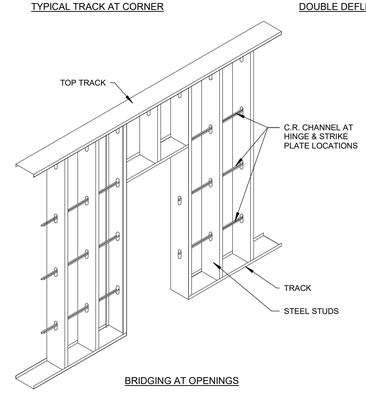
TYPICAL NON-LOAD BEARING TRACK ANCHORAGE



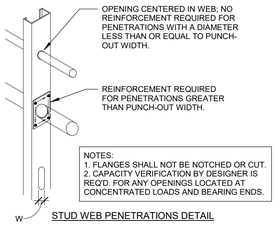
BOTTOM TRACK SPLICE



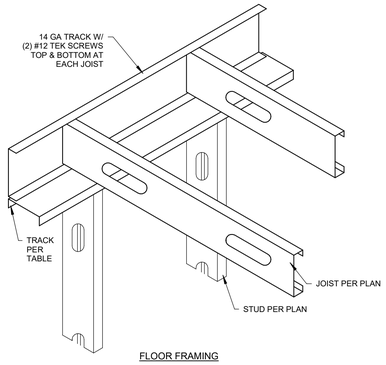
TYPICAL BRIDGING AT STANDARD STUDS



BRIDGING AT OPENINGS



STUD WEB PENETRATIONS DETAIL



FLOOR FRAMING

1 TYPICAL LIGHT GAGE FRAMING DETAILS

INTERIOR NON-LOAD BEARING WALL STUD SIZES (UNO)

MAX WALL HEIGHT (FEET)	STUD SIZE	SPACING (INCHES)	REQUIRED BRIDGING
11'-0"	362S125-33	16	MANUFACTURER'S STANDARD @ 48" O.C.
14'-6"	362S137-33	16	MANUFACTURER'S STANDARD @ 48" O.C.
15'-4"	362S162-33	16	MANUFACTURER'S STANDARD @ 48" O.C.
16'-8"	362S162-43	16	MANUFACTURER'S STANDARD @ 48" O.C.
19'-0"	600S125-27	16	MANUFACTURER'S STANDARD @ 48" O.C.
21'-9"	600S137-33	16	MANUFACTURER'S STANDARD @ 48" O.C.
11'-10"	362PDS125-19	16	MANUFACTURER'S STANDARD @ 48" O.C.
20'-0"	600PDS125-30	16	MANUFACTURER'S STANDARD @ 48" O.C.
30'-0"	800S162-43	16	MANUFACTURER'S STANDARD @ 48" O.C.
30'-0"	1000S162-43	16	MANUFACTURER'S STANDARD @ 48" O.C.

1. MAXIMUM STUD SPACING OF 16".
2. SEE ARCHITECTURAL DRAWINGS FOR STUD DEPTHS.
3. STUD SIZES LISTED ARE BASED ON CLARK DIETRICH STUDS. ALTERNATE STUDS MEETING OR EXCEEDING STUD CAPACITIES SHOWN MAY BE SUBMITTED.
4. ALL STUD WALLS SHALL BE BRACED WITH MECHANICAL BRIDGING AT 48" MAX. O.C.
5. WALL HEIGHTS SHOWN ARE FOR INTERIOR, NON-LOAD BEARING WALLS ONLY. WALLS SHALL BE FULLY SUPPORTED LATERALLY AT THE TOP OF WALL.
6. WALLS SUPPORTING COUNTERTOPS, HUNG PARTITIONS, WALL MOUNTED FIXTURES, OR OTHER SUCH ITEMS SHALL BE VERIFIED BY THE STUD MANUFACTURER.
7. TRACK THICKNESS SHALL MATCH STUD THICKNESS, EXCEPT HEAVIER STUDS SHALL BE USED AS NOTED. BOTTOM TRACK LEG LENGTH SHALL BE 1 1/4" MINIMUM OTHERWISE. DEFLECTION TRACKS SHALL HAVE 3" LEGS AND BE 18 GA MINIMUM.

BOX HEADERS/SILLS IN NON-LOAD BEARING WALLS (UNO)

OPENING WIDTH	MINIMUM HEADER SIZE	
INTERIOR	HEADER MEMBER	TRACK
4' OR LESS	SINGLE 600S200-43	-
4'-1" TO 7'-0"	BOXED 600S162-43	362/600T125-33
7'-0" TO 11'-0"	BOXED 600S200-54	362/600T125-43

NOTES:
1. WHERE HEADERS CAN BE BRACED BY KICKERS @ 4'-0" O.C. AND ARE NOT SUPPORTING VERTICAL LOADS, A BOX HEADER IS NOT REQUIRED. PROVIDE TRACK MATCHING STUD SIZE AND GAGE (MIN. TO BE 18GA).
2. HEADERS SHALL NOT SUPPORT BRICK LOAD.
3. STUD AND TRACK SIZES SHOWN ARE MINIMUMS. DEPTHS SHALL BE COORDINATED W/ ARCH.
4. TRACKS AT BOXED HEADERS SHALL MATCH ADJACENT WALL STUD THICKNESS, U.N.O.

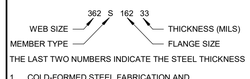
WOOD DECKING NOTES ANCHORED TO LIGHT GAUGE

1. FLOOR DECKING SHALL BE 23/32" (3/4") PANELS T&G AND SHALL BE FIRE-RETARDANT TREATED. GLUE AND SCREW TO SUPPORTS WITH #8 PAN HEAD TEK SCREWS AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE SUPPORTS. GLUE SHALL MEET APA SPEC AFG-01.
2. WOOD STRUCTURAL PANELS SHALL BE OSB OR PLYWOOD WITH (4) OR MORE PLIES AND SHALL COMPLY WITH DOC PS 1 OR PS 2.
3. PANELS SHALL BE INSTALLED WITH THE STRENGTH AXIS (LONG DIRECTION) PERPENDICULAR TO SUPPORTS.

COLD-FORMED STEEL NOTES

PRODUCT IDENTIFICATION

THE AMERICAN IRON AND STEEL INSTITUTE STANDARDS ARE USED IN THIS PACKAGE. ANY MANUFACTURER WHOSE PRODUCT GEOMETRIES MEETS OR EXCEED AISI STANDARDS ARE ACCEPTABLE.



THE LAST TWO NUMBERS INDICATE THE STEEL THICKNESS

1. COLD-FORMED STEEL FABRICATION AND INSTALLATION SHALL BE IN ACCORDANCE WITH AISI "STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS."
2. WELDING OF COLD-FORMED STEEL SHALL BE IN ACCORDANCE WITH THE STANDARD CODE OF ARC AND GAS WELDING IN BUILDING CONSTRUCTION.
3. AXIALLY LOADED STUDS SHALL BE POSITIONED DIRECTLY UNDER JOIST BEARING POINTS WHENEVER POSSIBLE.
4. STUDS SHALL NOT BE SPLICED.
5. PROVIDE MANUFACTURER'S STANDARD BRIDGING AS NOTED ON STUD TABLES (4' MAX U.N.O.).
6. PROVIDE DOUBLE STUDS, MINIMUM, AT ALL PARTITION ENDS, EACH SIDE OF OPENINGS, AND WHERE INDICATED ON DRAWINGS.
7. PROVIDE DEFLECTION TRACK OR CLIPS AT HEADS OF ALL NON LOAD-BEARING WALLS.
8. MINIMUM TRACK SIZE SHALL MATCH STUD SIZE U.N.O.
9. SEE STANDARD LIGHT GAGE DETAILS AND STUD CHARTS FOR ADDITIONAL INFORMATION.
10. ALIGN WEB PUNCHOUTS IN STUD WALLS. WEB PUNCHOUTS MUST BE LOCATED A MINIMUM OF 10" AWAY FROM THE STUD END.
11. MINIMUM YIELD STRENGTH FOR 18 AND 20 GA COLD-FORMED MEMBERS SHALL BE 33 KSI. MINIMUM YIELD STRENGTH FOR 16 GA AND HEAVIER COLD-FORMED MEMBERS SHALL BE 50 KSI.
12. HEADERS AND BUILT-UP BEAMS SHALL BE FORMED FROM UNPUNCHED MEMBERS.
13. STUDS SHALL NOT BE NOTCHED, SPLICED, OR COPED WITHOUT WRITTEN APPROVAL OF ENGINEER.
14. CUTTING OF STUDS SHALL BE DONE BY SAWING, SHEARING, OR PLASMA CUTTING. OTHER METHODS OF CUTTING ARE NOT PERMITTED WITHOUT APPROVAL OF ENGINEER.
15. SEE SPECIFICATIONS FOR ADDITIONAL STRUCTURAL COLD-FORMED FRAMING REQUIREMENTS. SEE SPECIFICATION SECTION 09260 FOR ADDITIONAL REQUIREMENTS FOR COLD-FORMED DRYWALL COMPONENTS. ALL MATERIALS AND WORK SHALL CONFORM TO THE CODE LISTED IN THESE DRAWINGS. THESE NOTES GIVE MINIMUM REQUIREMENTS. WHERE CONFLICTS ARISE BETWEEN THE CODE, THE DRAWINGS, AND THE STRUCTURAL NOTES, THE MORE STRINGENT REQUIREMENT SHALL CONTROL.

ADDITIONAL COLD-FORMED STEEL NOTES

1. CONTRACTOR SHALL PROVIDE LIGHT GAGE FRAMING SHOP DRAWING SUBMITTAL. SUBMITTAL SHALL INCLUDE LIGHT GAGE FRAMING PLANS, DETAILS, SECTIONS AND ACCESSORIES.
2. LIMIT STUD/HEADER DEFLECTIONS TO L/600 FOR MEMBERS SUPPORTING BRICK VENEER AND L/360 FOR ALL OTHERS.
3. SUBMITTAL SHALL INCLUDE INTERIOR AND EXTERIOR STUDS AND CEILING/SOFFIT MEMBERS.
4. COOR'D DEFLECTION TRACK AT NON-LOADING BEARING WALLS AND FIREPROOFING REQUIREMENTS W/ ARCH. TRACK (OR CLIPS) SHALL ALLOW 3/4" VERTICAL MOVEMENT UP OR DOWN.
5. PROVIDE DEFLECTION CLIPS AT TOP OF ALL EXTERIOR NON-LOAD BEARING JAMB MEMBERS.
6. PUNCHOUTS SHALL ALIGN AND SHALL NOT BE LOCATED WITHIN 10" OF BASE.

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STATE OF MISSOURI
CHARLES M. TAYLOR
NUMBER PE-2017014241
PROFESSIONAL ENGINEER
3/17/2023

Charles M. Taylor, PE
Lic. No. PE 2017014241
Firm COA: 2014035826

REVISION SCHEDULE

PROJECT DESCRIPTION:
CASSVILLE HS: PERFORMING ARTS CENTER
1825 STATE HWY Y, CASSVILLE, MO 65625

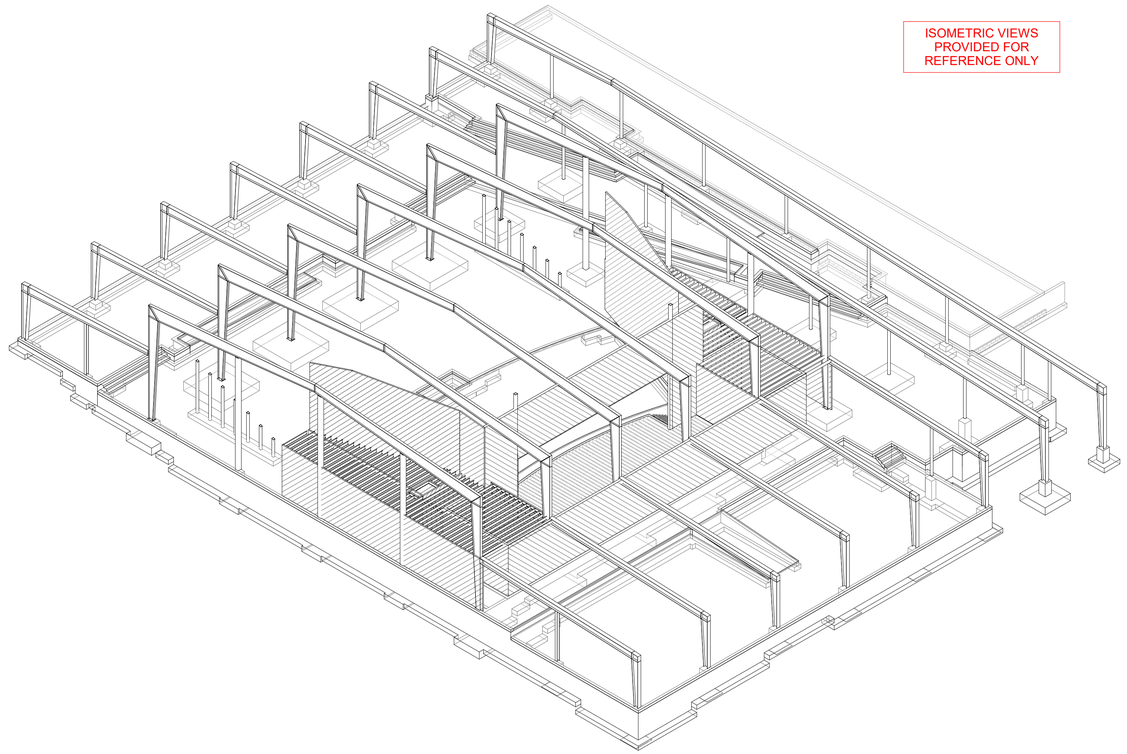
PROJECT ENGINEER: CMT
DRAWN BY: CAW
CHECKED BY: CMT

PROJECT NUMBER:
21-620

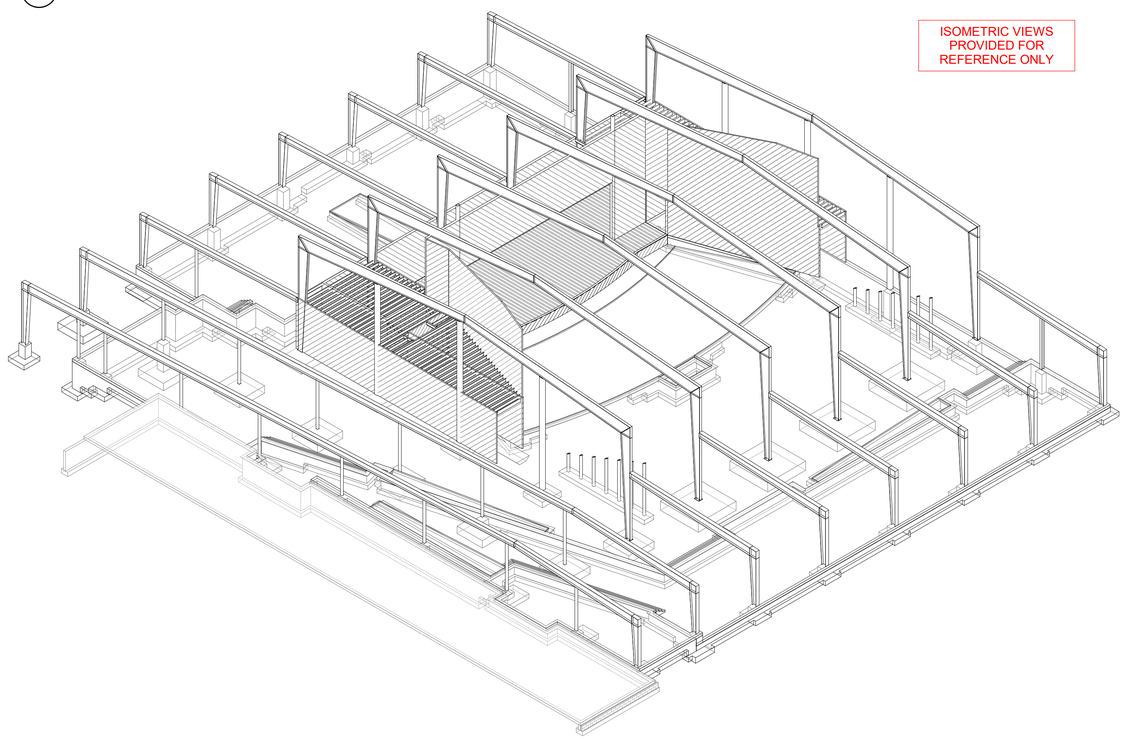
DATE:
2023.05.17

GENERAL NOTES & DETAILS - LGMF

SHEET NUMBER:
S0-1



1 ISOMETRIC VIEW - FRONT



2 ISOMETRIC VIEW - REAR

STATEMENT OF SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS ARE REQUIRED FOR THIS STRUCTURE IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE FOR THE ITEMS NOTED IN THE TABLE ON THIS SHEET.
2. TESTING SHALL BE PERFORMED BY A QUALIFIED TESTING LABORATORY RETAINED BY THE OWNER AND APPROVED BY THE ENGINEER.
3. A LETTER OF SUBSTANTIAL COMPLETION SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT BY THE SPECIAL INSPECTION PROVIDER PRIOR TO THE FINAL INSPECTION.

IBC TABLE 1705.6 REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	CONTINUOUS	PERIODIC
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	—	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	—	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	—	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	—
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	—	X

IBC TABLE 1705.3 REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	—	X	ACI 318 CH. 20, 25.2,25.3, 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706; B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND C. INSPECT ALL OTHER WELDS	— X	X X	AWS D1.4 ACI 318: 26.6.4	—
3. INSPECT ANCHORS CAST IN CONCRETE.	—	X	ACI 318: 17.8.2	—
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.	X	— X	ACI 318: 17.8.2.4 ACI 318: 17.8.2	—
5. VERIFY USE OF REQUIRED DESIGN MIX.	—	X	ACI 218: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	—	ASTM C 172 ASTM C 31 ACI 318: 26.5, 26.12	1908.10
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	—	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	—	X	ACI 318: 26.5.3-26.5.5	1910.9
9. INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING FORCES; AND B. GROUTING OF BONDED PRESTRESSING TENDONS.	X X	— —	ACI 318: 26.10	—
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	—	X	ACI 318: CH. 26.9	—
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	—	X	ACI 318: 26.11.2	—
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	—	X	ACI 318: 26.11.1.2(b)	—

REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD
1. MATERIAL VERIFICATION OF COLD-FORMED STEEL DECK:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	X	APPLICABLE ASTM MATERIAL STANDARDS
B. MANUFACTURER'S CERTIFIED TEST REPORTS	—	X	
2. INSPECTION OF WELDING:			
A. COLD-FORMED STEEL DECK:			
a. FLOOR AND ROOF DECK WELDS.	—	X	AWS D1.3
B. REINFORCING STEEL:			
a. VERIFICATION OF WELDABILITY OF REINF STEEL OTHER THAN ASTM A 706.	—	X	AWS D1.4 ACI 318: SECTION 3.5.2
b. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT.	X	—	
c. SHEAR REINFORCEMENT.	X	—	
d. OTHER REINFORCING STEEL.	—	X	

AISC 360-10 REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	X	APPLICABLE ASTM MATERIAL SPECIFICATIONS; AISC 360, SECTION A3
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	—	X	—
2. INSPECTION OF HIGH-STRENGTH BOLTING:			
A. BEARING-TYPE CONNECTIONS.	—	X	AISC 360, SECTION N5.6
B. SLIP-CRITICAL CONNECTIONS.	X	X	AISC 360, SECTION N5.6, TABLES N5.6-1, 2 & 3
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:			
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	—	ASTM A 6 OR ASTM A 568
B. MANUFACTURERS' CERTIFIED MILL TEST REPORTS.	—	—	ASTM A 6 OR ASTM A 568
4. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:			
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	—	AISC 360, SECTION A3.5
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	—	—	—
5. INSPECTION OF WELDING:			AISC 360 SECTION N5.4, TABLES N5.4-1, 2 & 3
A. STRUCTURAL STEEL:			
a. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS.	X	—	AWS D1.1
b. MULTIPASS FILLET WELDS.	X	—	
c. SINGLE-PASS FILLET WELDS > 5/16	X	—	
d. SINGLE-PASS FILLET WELDS ≤ 5/16	—	X	
e. FLOOR AND ROOF DECK WELDS.	—	X	AWS D1.3
B. REINFORCING STEEL:			
a. VERIFICATION OF WELDABILITY OF REINF STEEL OTHER THAN ASTM A 706.	—	X	AWS D1.4 OR ACI 318: 26.6.4
b. REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT.	X	—	
c. SHEAR REINFORCEMENT.	X	—	—
d. OTHER REINFORCING STEEL.	—	X	—
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:			AISC 360 SECTION N5.8
A. DETAILS SUCH AS BRACING AND STIFFENING.	—	X	
B. MEMBER LOCATIONS.	—	—	
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	—	—	

SCHEDULE - SPECIAL INSPECTIONS 2006

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STATE OF MISSOURI
CHARLES M. TAYLOR
NUMBER PE-2017014241
PROFESSIONAL ENGINEER
3/17/2023

Charles M. Taylor, PE
Lic. No. PE 2017014241
Firm COA: 2014035826

REVISION SCHEDULE

PROJECT DESCRIPTION:
CASSVILLE HS: PERFORMING ARTS CENTER
1825 STATE HWY Y, CASSVILLE, MO 65625

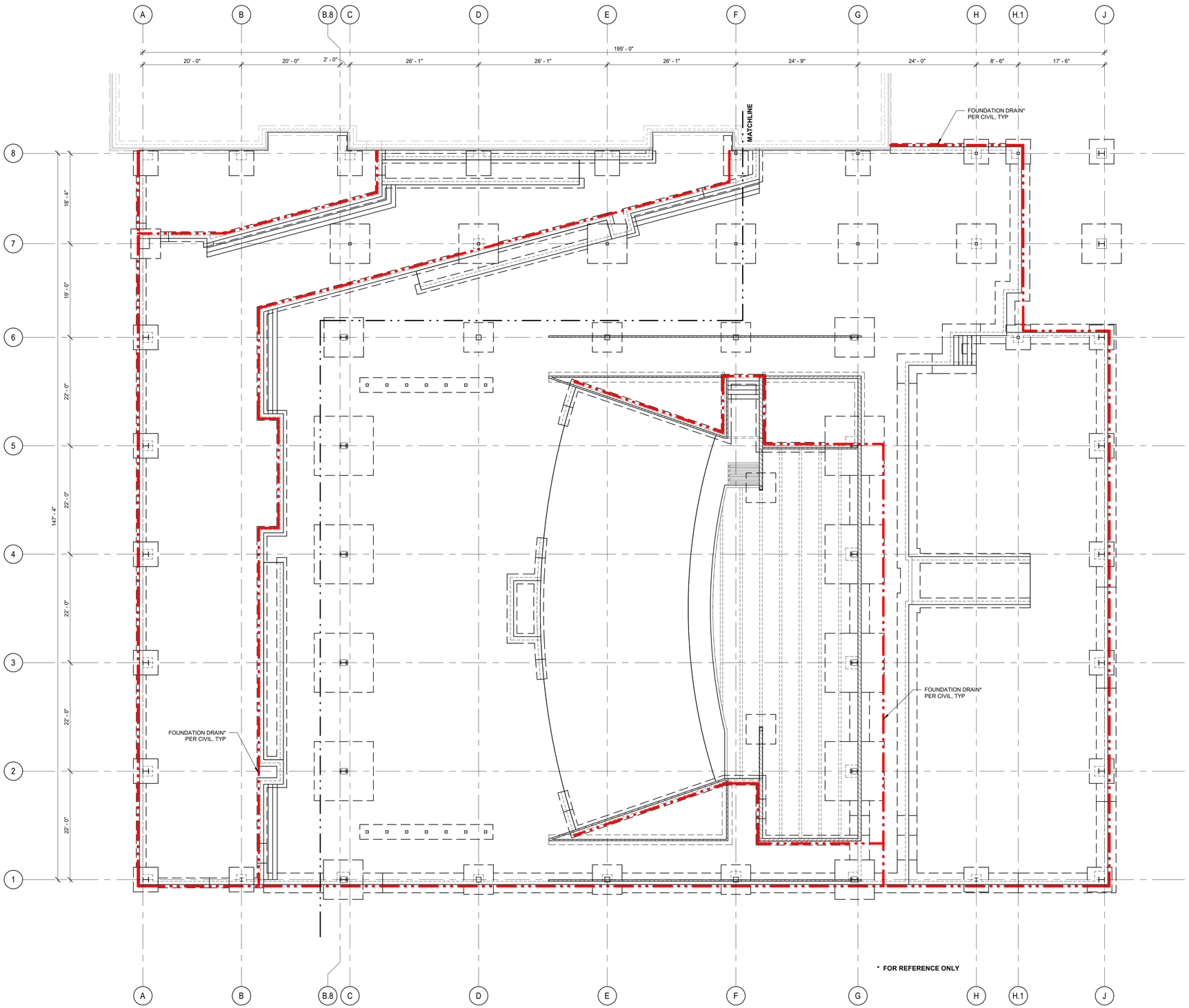
PROJECT ENGINEER: CMT
DRAWN BY: CAW
CHECKED BY: CMT

PROJECT NUMBER:
21-620

DATE:
2023.05.17

SPECIAL INSPECTIONS & 3D VIEWS

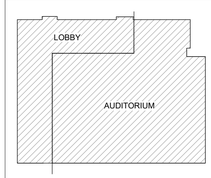
SHEET NUMBER:
S0-2



1 OVERALL FOUNDATION PLAN
1" = 10'-0"

PLAN

KEY PLAN



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SPRINGFIELD, MO 65804
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CIVIL ENGINEER
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SPRINGFIELD, MO 65806
417-890-8602

CONSTRUCTION MANAGER
RE SMITH
1036 W. 2ND ST
JOPLIN, MO 64801
417-623-4545

STATE OF MISSOURI
CHARLES M. TAYLOR
NUMBER PE-2017014241
PROFESSIONAL ENGINEER
3/17/2023

Charles M. Taylor, PE
Lic. No. PE 2017014241
Firm COA: 2014035206

REVISION SCHEDULE

PROJECT DESCRIPTION:
CASSVILLE HS: PERFORMING ARTS CENTER
1825 STATE HWY Y, CASSVILLE, MO 65625

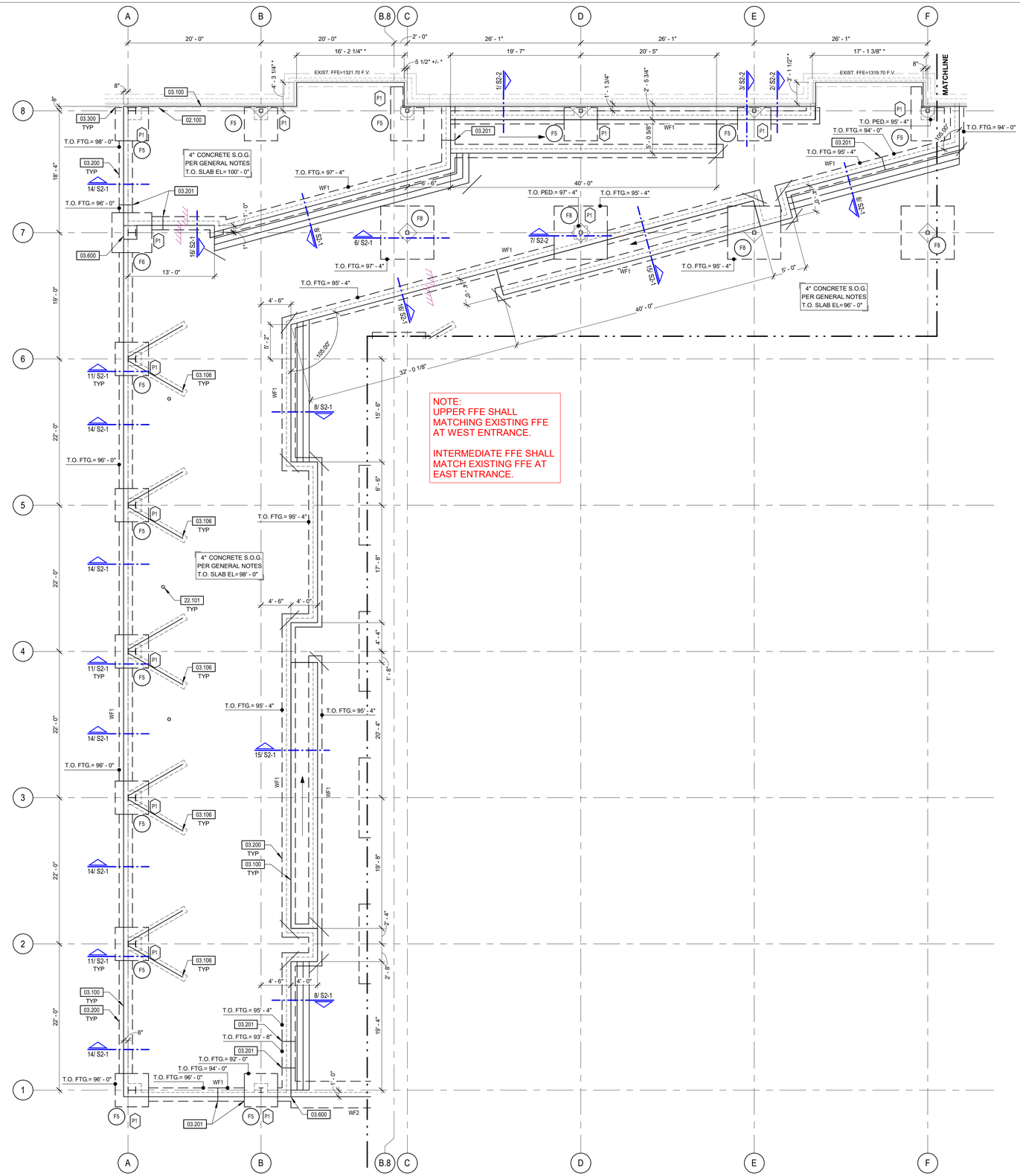
PROJECT ENGINEER: CMT
DRAWN BY: CAW
CHECKED BY: CMT

PROJECT NUMBER:
21-620

DATE:
2023.05.17

OVERALL FOUNDATION PLAN

SHEET NUMBER:
S1-0



1 FOUNDATION PLAN - LOBBY
1/8" = 1'-0"

PLAN NOTES - FOUNDATION

1. TOP OF SLAB ELEVATION = 100'-0" IS EQUAL TO CIVIL ELEVATION =1321.70. MATCH EXISTING FFE.
2. ALL TOP OF EXTERIOR FOOTING ELEVATIONS SHALL BE 98'-0" U.N.O.
3. ALL TOP OF STEMWALL ELEVATIONS SHALL BE 99'-4" U.N.O.
4. ALL TOP OF INTERIOR FOOTING ELEVATIONS SHALL BE 99'-4" U.N.O.
5. ALL TOP OF PEDESTAL ELEVATIONS SHALL BE 99'-4" U.N.O. SEE SHEET S2-1 FOR PEDESTAL SIZE AND REINFORCING REQUIREMENTS.
6. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL PRIOR TO CONSTRUCTION.
7. NOT ALL PENETRATIONS ARE SHOWN ON STRUCTURAL DRAWINGS. COORDINATE ALL SLAB AND FOUNDATION PENETRATIONS WITH OTHER DISCIPLINES AND NOTIFY ENGINEER IF ANY CONFLICTS ARE NOTED.
8. UTILITIES SHALL PASS ABOVE OR BELOW PERIMETER FOOTINGS PER PIPE PENETRATION DETAIL.
9. SEE ARCHITECTURAL DRAWINGS FOR SLAB FINISH REQUIREMENTS.
10. SLOPE FLOORS TO FLOOR DRAINS. COORDINATE SLOPE EXTENTS WITH ARCH AND MEP.
11. DOWEL ALL SIDEWALKS AT DOORS TO BUILDING SLABS W/ #4 x 24" LONG DOWELS @ 12" O.C. MAX.
12. PROVIDE SLAB JOINTS PER CONCRETE SLAB JOINTS DETAIL AND GENERAL FOUNDATION NOTES.
13. PROVIDE ADDITIONAL REINFORCING PER TYPICAL SLAB ON GRADE REINFORCING DETAILS.
14. SEE SHEET S2-1 FOR BASE PLATE AND ANCHOR ROD INFORMATION.
15. PROVIDE SLAB BLOCKOUTS PER ISOLATION JOINT DETAILS AT RECESSED COLUMN LOCATIONS.
16. WHERE ONLY ONE CURTAIN OF REINFORCING IS REQUIRED, BARS SHALL BE CENTERED IN WALL.
17. PROVIDE CONTINUOUS REINFORCING IN ALL CONCRETE CONSTRUCTION, SEE TYPICAL CORNER BAR REINFORCING DETAIL.
18. PERIMETER INSULATION SHALL BE AS REQUIRED BY ARCHITECTURAL DRAWINGS.
19. SEE THE GEOTECHNICAL INVESTIGATION REPORT FOR SITE PREPARATION REQUIREMENTS.

CONTINUOUS FOOTING SCHEDULE

MARK	FOOTING SIZE	REINFORCING	NOTES
WF1	2'-0"W x 1'-2"T	#5 BARS @ 12" O.C. E.W. BOTTOM	
WF2	4'-0"W x 1'-2"T	#5 BARS @ 12" O.C. E.W. T&B	

SHALLOW FOOTING SCHEDULE

NOTE: FOOTINGS ARE CENTERED ON COLUMNS UNLESS NOTED OTHERWISE.

MARK	FOOTING SIZE	REINFORCING	NOTES
F5	5'-0"x5'-0"x1'-3"	(6) #5's E.W. T&B	
F6	6'-0"x6'-0"x1'-6"	(7) #6's E.W. T&B	
F8	8'-0"x8'-0"x2'-0"	(9) #7's E.W. T&B	
F12	12'-0"x12'-0"x2'-6"	(11) #9's E.W. T&B	

PEDESTAL SCHEDULE

MARK	PEDESTAL SIZE	NOTES
P1	24 x 24	SEE TYPICAL DETAIL
P2	30 x 30	SEE TYPICAL DETAIL

KEYNOTE LEGEND

KEYNOTE	DESCRIPTION
02.100	LINE INDICATES ASSUMED FOUNDATION BELOW, CONTRACTOR TO FIELD VERIFY. NOTIFY EOR OF ANY DISCREPANCIES.
03.100	DARK LINE INDICATES SLAB EDGE.
03.106	HAIR PIN PER 13/S2-1.
03.200	DASHED LINE INDICATES FOUNDATION BELOW.
03.201	FOOTING STEP AT OR NEAR THIS LOCATION, REFER TO TYPICAL STEP FOOTING DETAIL. COORDINATE LOCATION WITH FINISH GRADE.
03.300	DRILL AND EPOXY NEW FOOTING REINFORCING INTO EXISTING FOOTING. DOWELS SHALL MATCH SIZE AND SPACING OF NEW FOOTING REINFORCING. EMBED DOWELS 9" MIN.
03.600	TOP OF WALL STEPS AT THIS LOCATION.
22.101	FLOOR DRAIN. REFER TO PLUMBING DRAWING FOR EXACT SIZE AND LOCATION. SLOPE SLAB TO DRAIN AS REQUIRED.

PARAGON ARCHITECTURE
MISSOURI STATE CERTIFICATE OF AUTHORITY NUMBER A-2016000415
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SPRINGFIELD, MO 65806

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STATE OF MISSOURI
CHARLES M. TAYLOR
NUMBER PE-2010014241
PROFESSIONAL ENGINEER
3/17/2023

Charles M. Taylor, PE
Lic. No. PE 2010014241
Firm COA: 2014035826

REVISION SCHEDULE

PROJECT DESCRIPTION:
CASSVILLE HS: PERFORMING ARTS CENTER
1825 STATE HWY Y, CASSVILLE, MO 65625

PROJECT ENGINEER: CMT
DRAWN BY: CAW
CHECKED BY: CMT

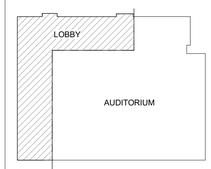
PROJECT NUMBER:
21-620

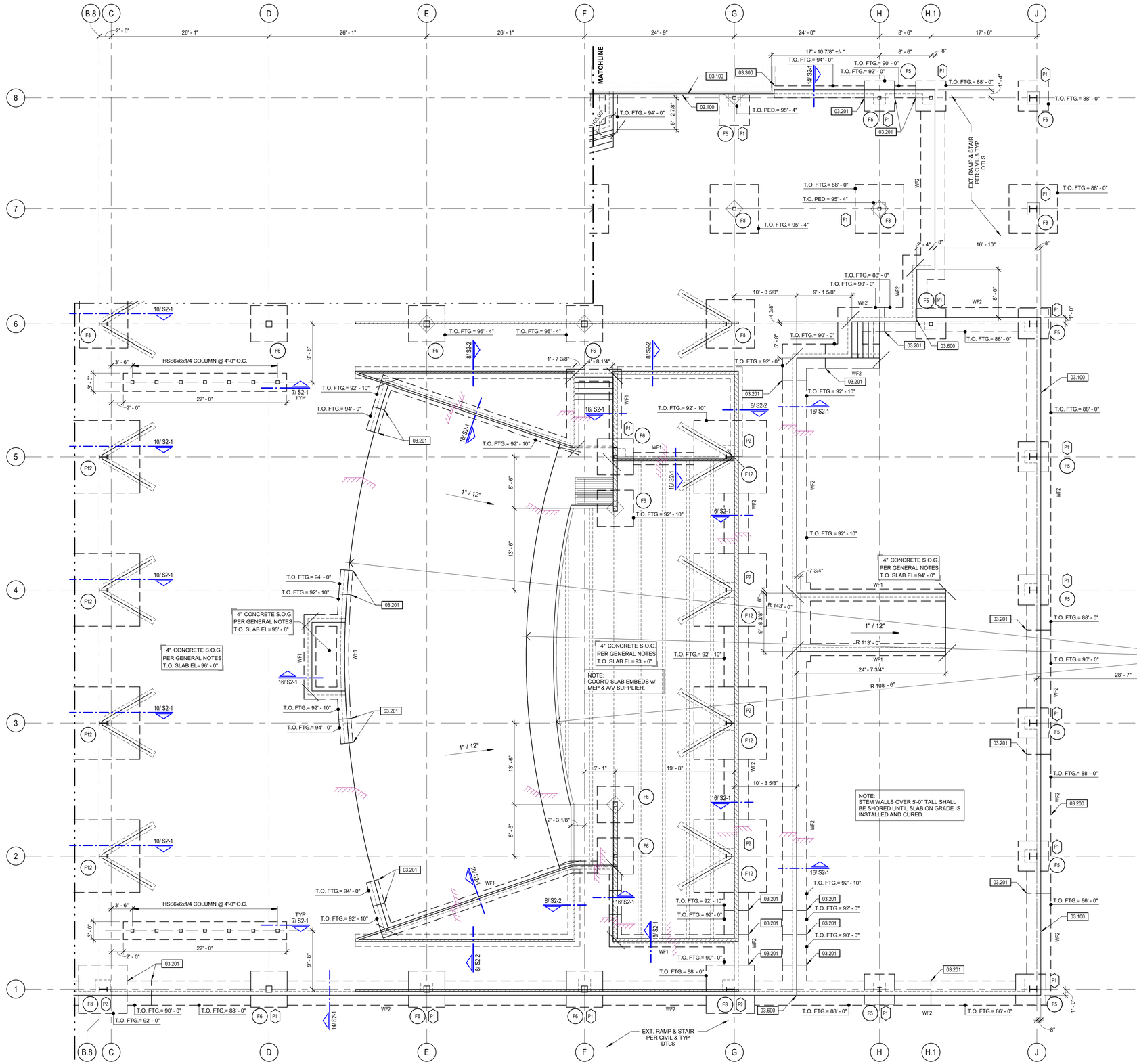
DATE:
2023.05.17

LOBBY FOUNDATION PLAN

SHEET NUMBER:
S1-1

KEY PLAN





1 FOUNDATION PLAN - AUDITORIUM
1/8" = 1'-0"

PLAN NOTES - FOUNDATION

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CONTINUOUS FOOTING SCHEDULE

MARK	FOOTING SIZE	REINFORCING	NOTES
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SHALLOW FOOTING SCHEDULE

NOTE: FOOTINGS ARE CENTERED ON COLUMNS UNLESS NOTED OTHERWISE.

MARK	FOOTING SIZE	REINFORCING	NOTES
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PEDESTAL SCHEDULE

MARK	PEDESTAL SIZE	NOTES
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KEYNOTE	DESCRIPTION
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03.600	TOP OF WALL STEPS AT THIS LOCATION.

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STATE OF MISSOURI
CHARLES M. TAYLOR
NUMBER PE-2017014241
PROFESSIONAL ENGINEER
9/9/2023
Charles M. Taylor, PE
Lic. No. PE 2017014241
Firm COA: 2014035826

REVISION SCHEDULE

PROJECT DESCRIPTION:
CASSVILLE HS: PERFORMING ARTS CENTER
1825 STATE HWY Y, CASSVILLE, MO 65625

PROJECT ENGINEER: CMT
DRAWN BY: CAW
CHECKED BY: CMT

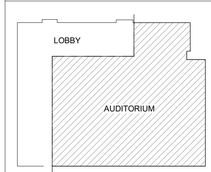
PROJECT NUMBER:
21-620

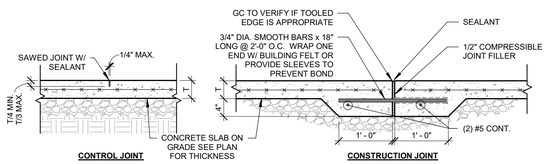
DATE:
2023.05.17

AUDITORIUM FOUNDATION PLAN

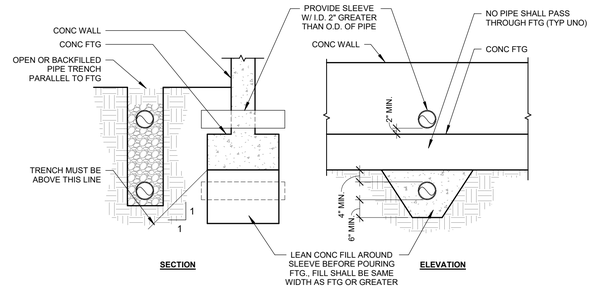
SHEET NUMBER:
S1-2

KEY PLAN

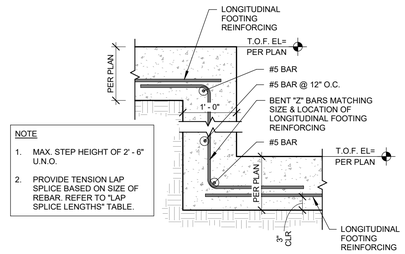




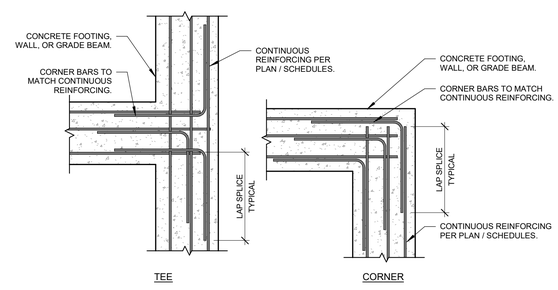
1 CONCRETE SLAB JOINTS
3/4" = 1'-0"



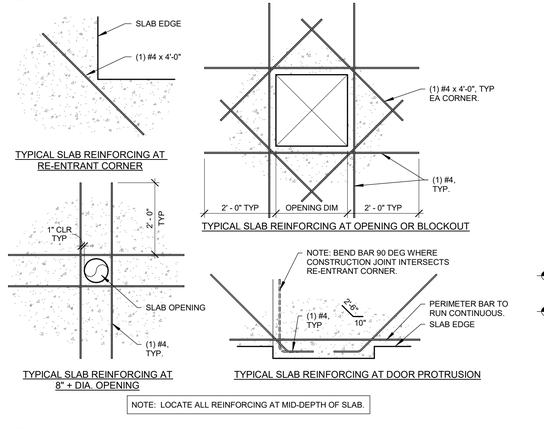
2 PIPE PENETRATION DETAIL
N.T.S.



3 TYPICAL FOOTING STEP
3/4" = 1'-0"

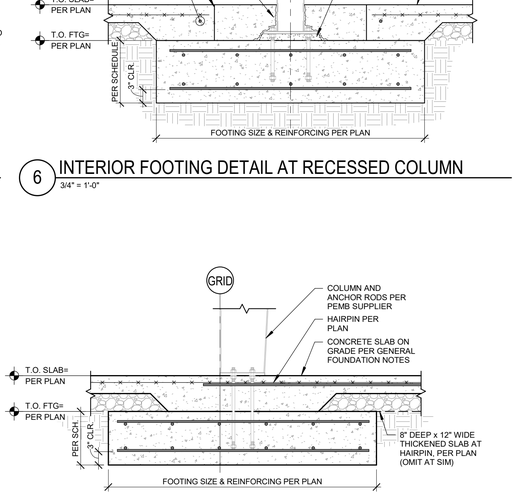


4 TYPICAL CORNER BAR REINFORCING
3/4" = 1'-0"

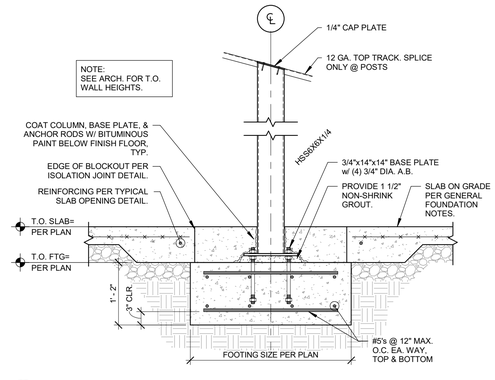


NOTE: LOCATE ALL REINFORCING AT MID-DEPTH OF SLAB.

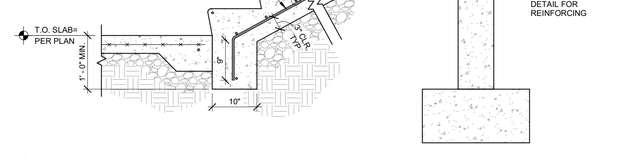
5 TYPICAL SLAB ON GRADE REINFORCING DETAILS
1/2" = 1'-0"



6 INTERIOR FOOTING DETAIL AT RECESSED COLUMN
3/4" = 1'-0"



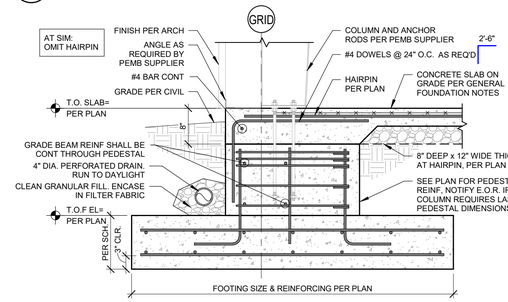
7 WING WALL COLUMN DETAIL
3/4" = 1'-0"



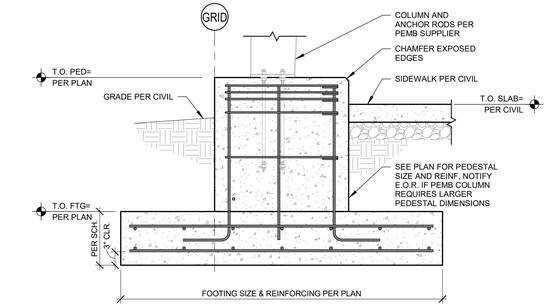
8 CONCRETE STAIR DETAIL
3/4" = 1'-0"

9 INTERIOR PEMB FOOTING DETAIL WITH PEDESTAL
3/4" = 1'-0"

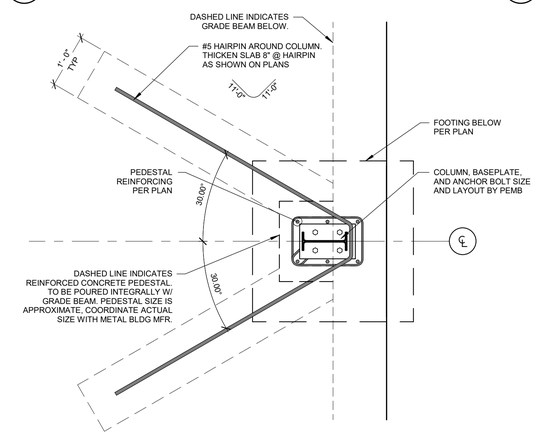
10 INTERIOR MAIN FRAME FOOTING DETAIL
3/4" = 1'-0"



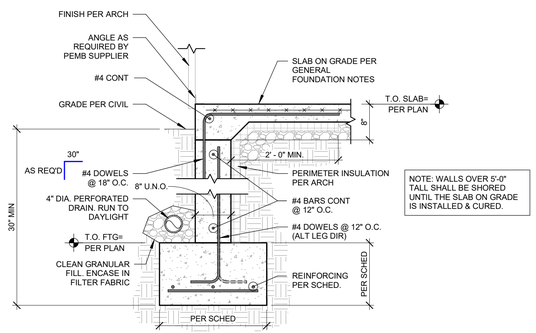
11 PEMB COLUMN FOOTING DETAIL
3/4" = 1'-0"



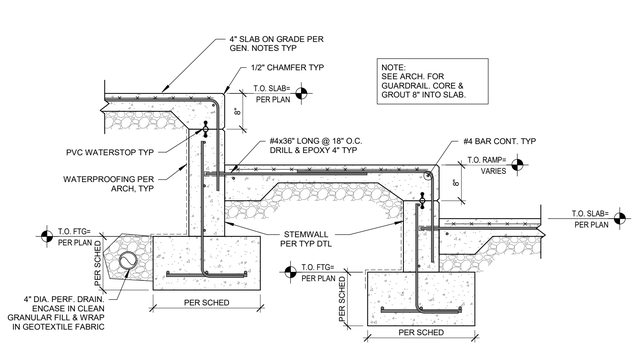
12 PEMB COLUMN FOOTING DETAIL AT RAISED PEDESTAL
3/4" = 1'-0"



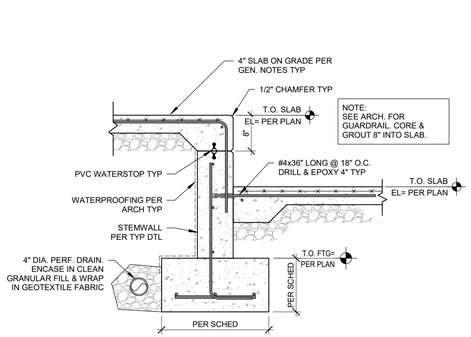
13 HAIRPIN DETAIL
3/4" = 1'-0"



14 TYPICAL STEM WALL DETAIL
3/4" = 1'-0"



15 INTERIOR RAMP DETAIL
3/4" = 1'-0"



16 SLAB STEP DETAIL
3/4" = 1'-0"

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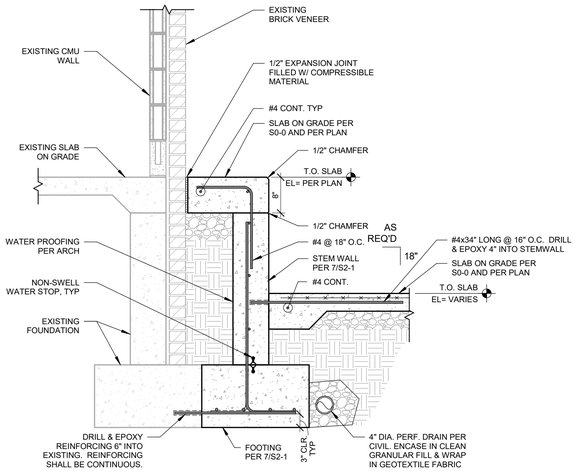
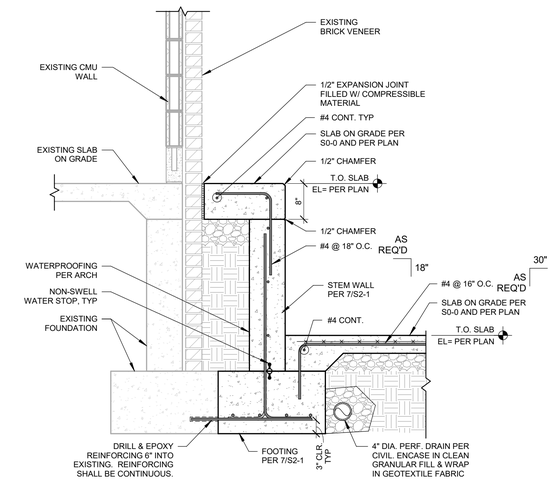
FOUNDATION DETAILS

SHEET NUMBER:
S2-1



1 BENCH WALL AT RAMP

3/4" = 1'-0"



2 BENCH WALL DETAIL

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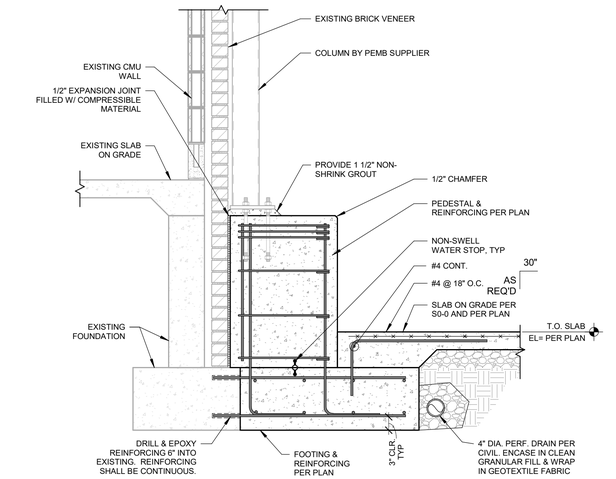
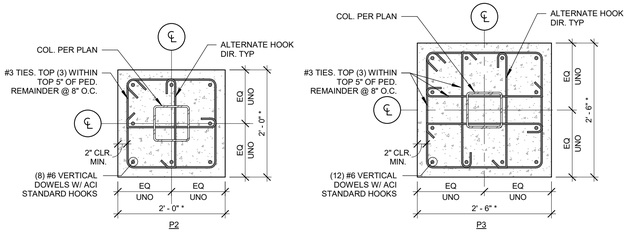
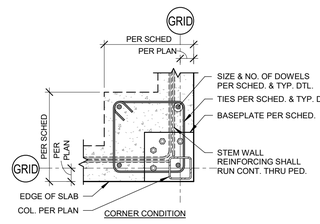


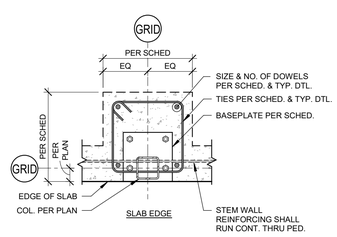
3 COLUMN FOOTING AT EXISTING BUILDING

3/4" = 1'-0"

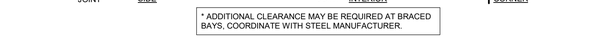
* - REPRESENTS MINIMUM DIMENSION FROM GRID INTERSECTION OR CENTERLINE OF COLUMN. INCREASE DIMENSION AS REQUIRED TO MATCH ADJACENT FOUNDATION GEOMETRY WHERE APPLICABLE. VERIFY REQUIRED SIZE w/ PEMB SUPPLIER.







NOTES:
1. SEE PLAN FOR ORIENTATION AT RECTANGULAR PEDESTALS.
2. ANCHOR BOLTS SHALL BE ENCLOSED BY TIES.
3. WALL REINF TO BE CONTINUOUS THROUGH PEDESTAL.
4. ALL VERTICAL BARS SHALL EXTEND INTO FOOTING & HOOK PER TABLES ON S0.0 FOR TENSION BARS.



* ADDITIONAL CLEARANCE MAY BE REQUIRED AT BRACED BAYS, COORDINATE WITH STEEL MANUFACTURER.

4 PEDESTAL DETAIL

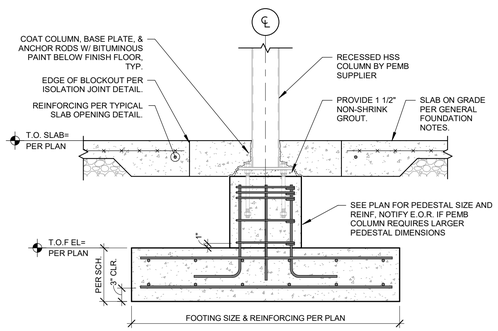
3/4" = 1'-0"

5 PEDESTAL REINFORCING DETAILS AT SLAB EDGE

3/4" = 1'-0"

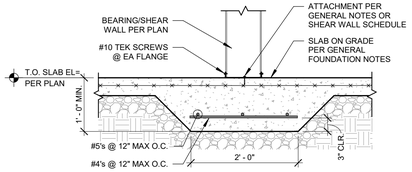
6 ISOLATION JOINT DETAILS

1/2" = 1'-0"



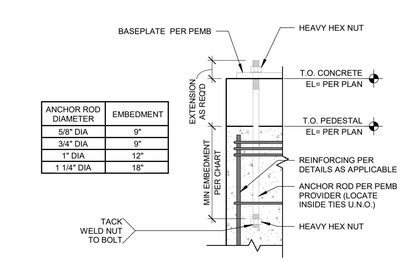
7 RECESSED INTERIOR COLUMN DETAIL WITH PEDESTAL

3/4" = 1'-0"



8 THICKENED SLAB AT METAL STUD WALL

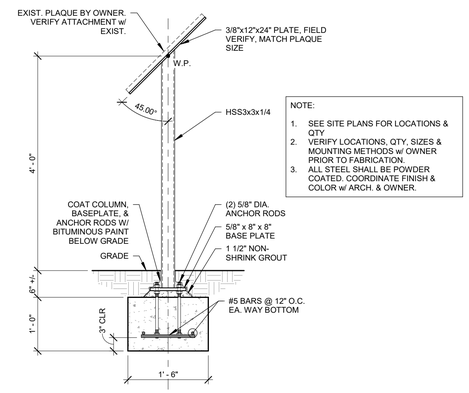
3/4" = 1'-0"



ANCHOR ROD DIAMETER	EMBEDMENT
5/8" DIA	9"
3/4" DIA	9"
1" DIA	12"
1 1/4" DIA	18"

9 ANCHOR ROD DETAIL-PEMB

1" = 1'-0"



NOTE:
1. SEE SITE PLANS FOR LOCATIONS & QTY
2. VERIFY LOCATIONS, QTY, SIZES & MOUNTING METHODS w/ OWNER PRIOR TO FABRICATION.
3. ALL STEEL SHALL BE POWDER COATED. COORDINATE FINISH & COLOR w/ ARCH. & OWNER.

10 OUTDOOR PLAQUE DETAIL

3/4" = 1'-0"

PARAGON ARCHITECTURE
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STATE OF MISSOURI
CHARLES M. TAYLOR
NUMBER PE-2017014241
PROFESSIONAL ENGINEER
3/17/2023

Charles M. Taylor, PE
Lic. No. PE 2017014241
Firm COA: 2014035626

REVISION SCHEDULE

PROJECT DESCRIPTION:
CASSVILLE HS: PERFORMING ARTS CENTER
1825 STATE HWY Y, CASSVILLE, MO 65625

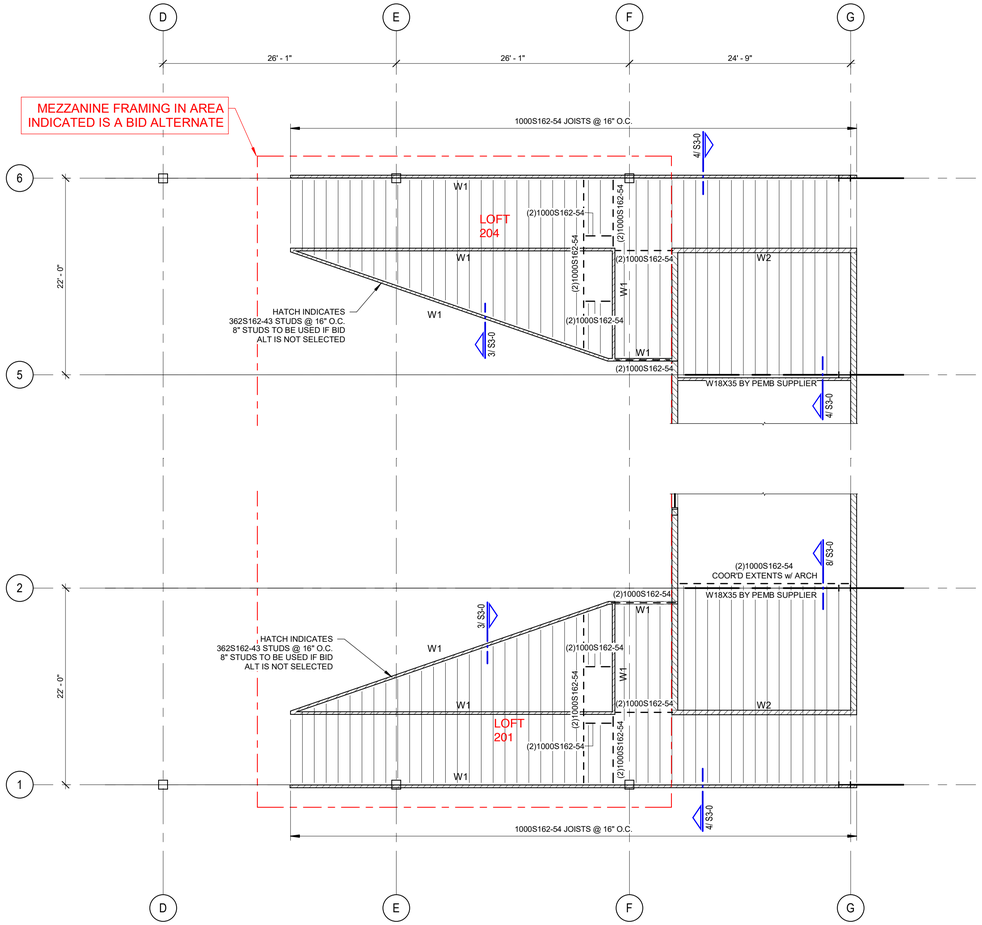
PROJECT ENGINEER: CMT
DRAWN BY: CAW
CHECKED BY: CMT

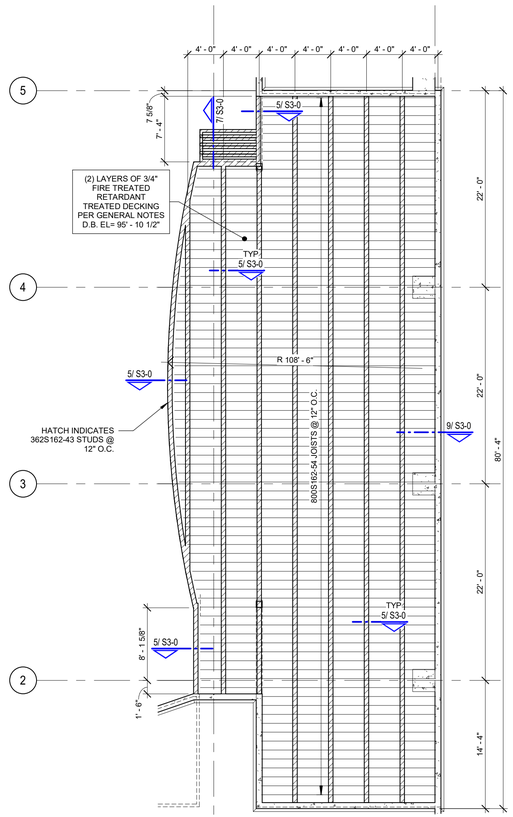
PROJECT NUMBER:
21-620

DATE:
2023.05.17

FOUNDATION DETAILS

SHEET NUMBER:
S2-2



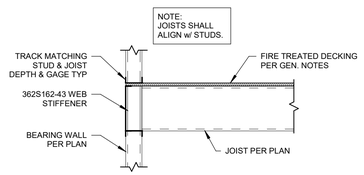


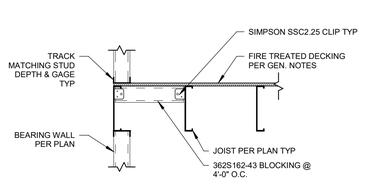
PLAN NOTES - FRAMING

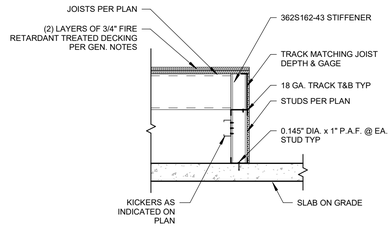
1. ALL OPENING SIZES AND LOCATIONS, HEAD AND SILL ELEVATIONS, ETC. SHALL BE COORDINATED WITH OTHER DISCIPLINES.
2. REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF PARTITION WALL ELEVATIONS. BRACE WALLS IN ACCORDANCE WITH TYPICAL DETAILS.
3. COORDINATE FIREPROOFING REQUIREMENTS WITH ARCHITECHURAL DRAWINGS AND SPECIFICAITONS.
4. PROVIDE BRIDGING @ 4'-0" O.C. IN ALL STUD WALL. BRIDGING IS NOT REQUIRED AT STAGE.
5. JOISTS SHALL ALIGN w/ STUDS.

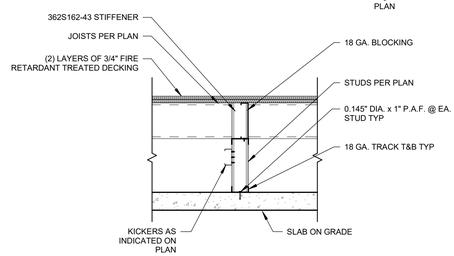
1 MEZZANINE FRAMING PLAN - BID ALTERNATE
1/8" = 1'-0"

2 STAGE FRAMING PLAN
1/8" = 1'-0"







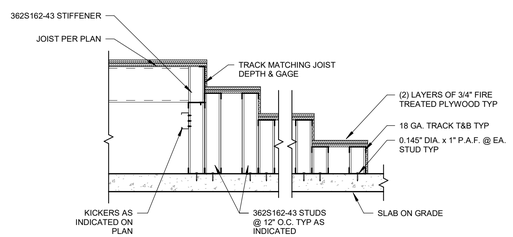


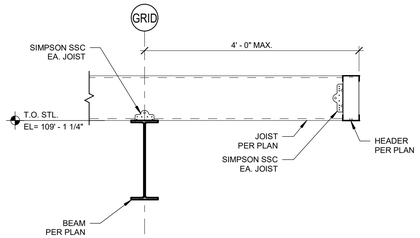
3 MEZZANINE FRAMING AT JOIST BEARING
3/4" = 1'-0"

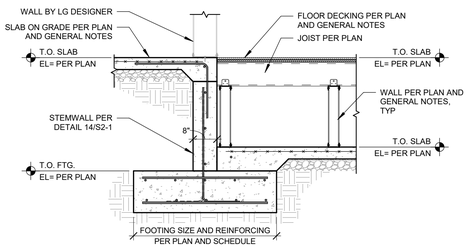
4 MEZZANINE FRAMING PARALLEL TO JOISTS
3/4" = 1'-0"

5 STAGE EDGE FRAMING DETAIL
3/4" = 1'-0"

6 STAGE INTERMEDIATE FRAMING DETAIL
3/4" = 1'-0"







7 STAIR FRAMING DETAIL
3/4" = 1'-0"

8 SECTION AT CANTILEVERED JOIST
3/4" = 1'-0"

9 LG JOIST AT STEM WALL
1/2" = 1'-0"

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NUMBER PE-2017014241
PROFESSIONAL ENGINEER
3/17/2023

Charles M. Taylor, PE
Lic. No. PE 2017014241
Firm COA: 2014035826

REVISION SCHEDULE

PROJECT DESCRIPTION:
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1825 STATE HWY Y, CASSVILLE, MO 65625

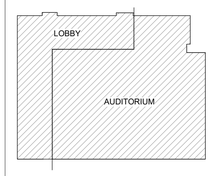
PROJECT ENGINEER: CMT
DRAWN BY: Author
CHECKED BY: Checker

PROJECT NUMBER:
21-620

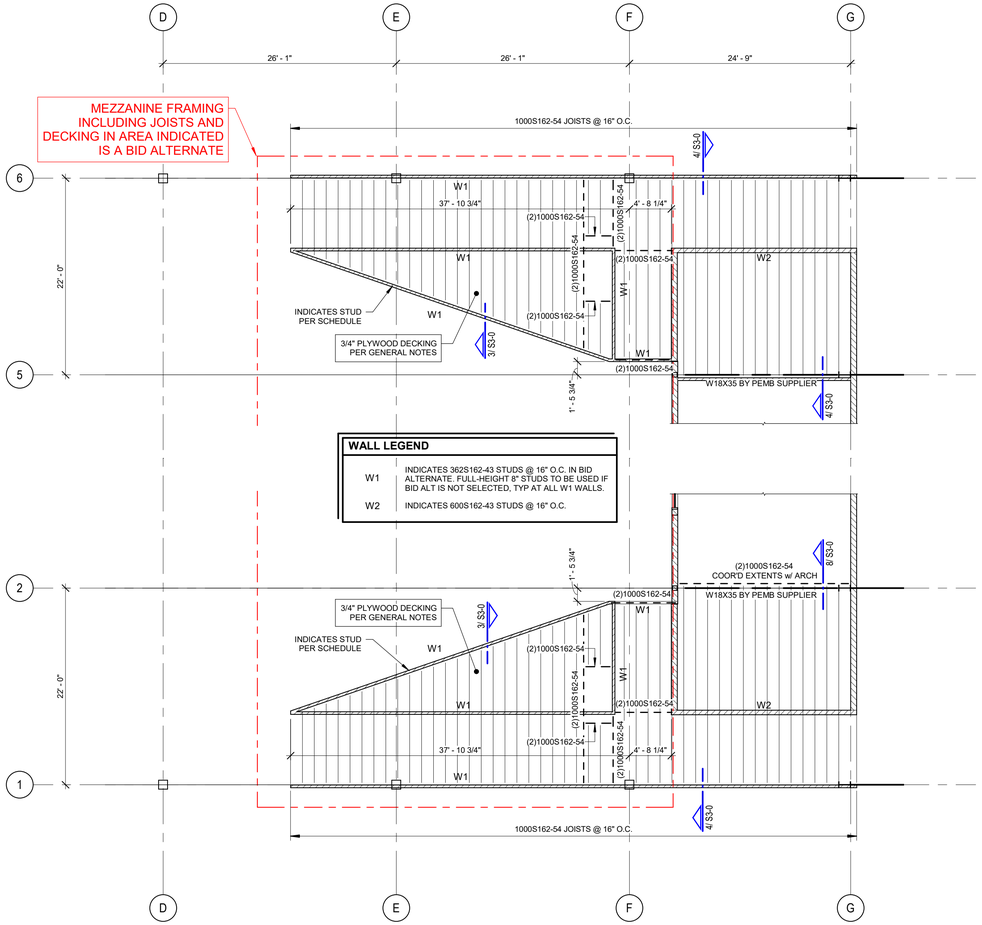
DATE:
2023.05.17

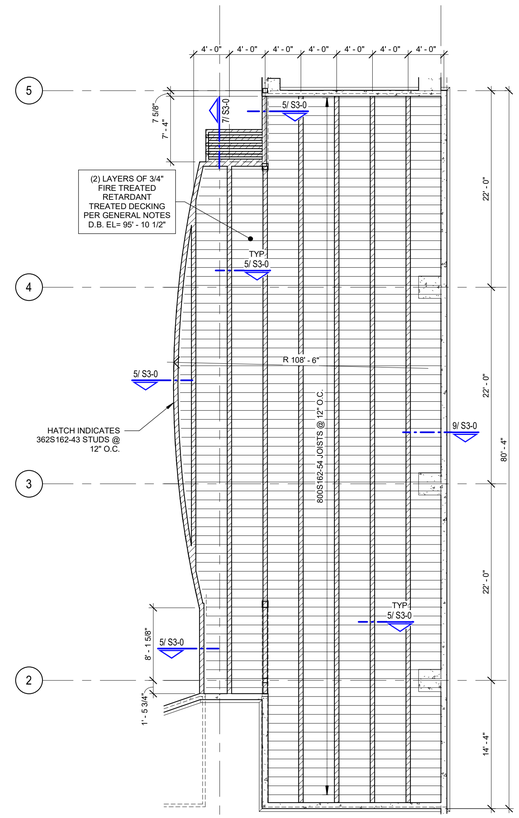
FRAMING PLANS

KEY PLAN



SHEET NUMBER:
S3-0





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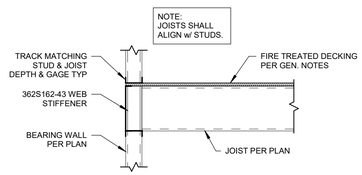
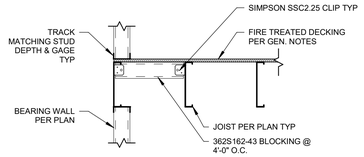
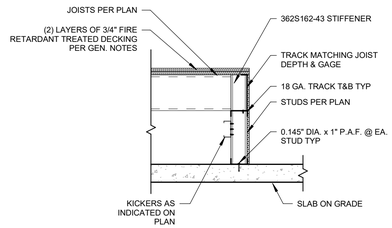
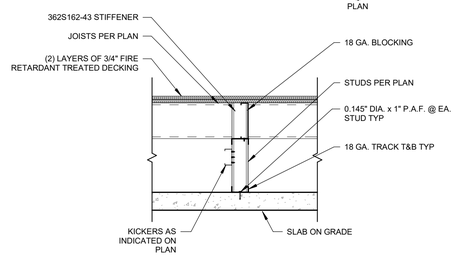
1 MEZZANINE FRAMING PLAN - BID ALTERNATE
1/8" = 1'-0"

2 STAGE FRAMING PLAN
1/8" = 1'-0"

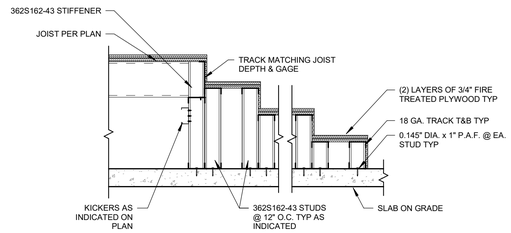




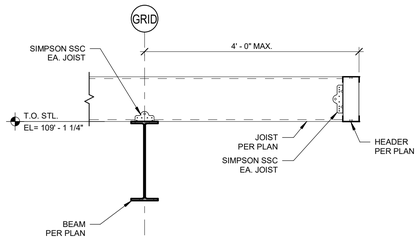




3 MEZZANINE FRAMING AT JOIST BEARING
3/4" = 1'-0"

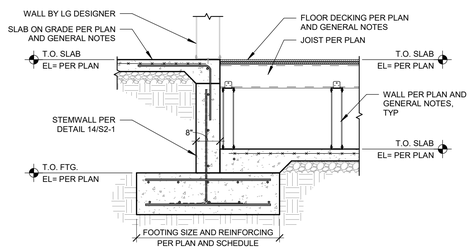


4 MEZZANINE FRAMING PARALLEL TO JOISTS
3/4" = 1'-0"



5 STAGE EDGE FRAMING DETAIL
3/4" = 1'-0"

6 STAGE INTERMEDIATE FRAMING DETAIL
3/4" = 1'-0"



7 STAIR FRAMING DETAIL
3/4" = 1'-0"

8 SECTION AT CANTILEVERED JOIST
3/4" = 1'-0"

9 LG JOIST AT STEM WALL
1/2" = 1'-0"

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STATE OF MISSOURI
CHARLES M. TAYLOR
NUMBER PE-2017014241
PROFESSIONAL ENGINEER
6/9/2023

Charles M. Taylor, PE
Lic. No. PE 2017014241
Firm COA: 2014035826

REVISION SCHEDULE

PROJECT DESCRIPTION:
CASSVILLE HS: PERFORMING ARTS CENTER
1825 STATE HWY Y, CASSVILLE, MO 65625

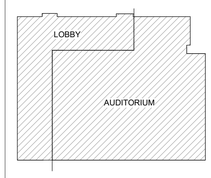
PROJECT ENGINEER: CMT
DRAWN BY: Author
CHECKED BY: Checker

PROJECT NUMBER:
21-620

DATE:
2023.05.17

FRAMING PLANS

KEY PLAN



SHEET NUMBER:
S3-0

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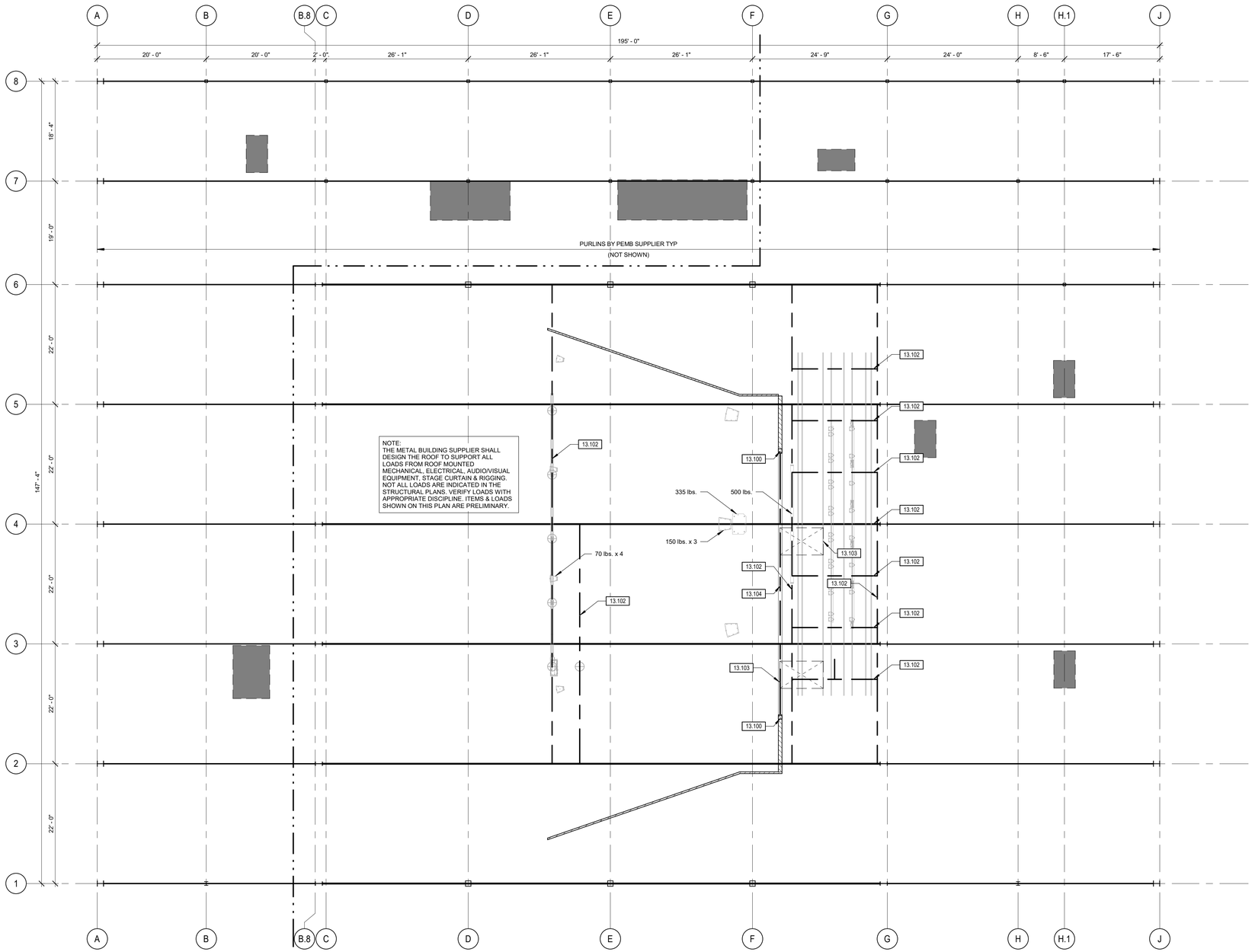
KEYNOTE LEGEND

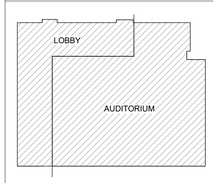
KEYNOTE	DESCRIPTION
13.100	PEMB COLUMN FOR PROSCENIUM OPENING SUPPORT.
13.102	BEAM BY PEMB SUPPLIER FOR SUPPORT OF AV EQUIPMENT. BEAM FLANGE WIDTH SHALL BE BETWEEN 4"-6". SEE AV PLANS FOR POINT LOAD LOCATIONS, DIMENSIONS & WEIGHTS.
13.103	OPENING PER ARCH.
13.104	PEMB BEAM FOR PROSCENIUM OPENING SUPPORT. DESIGN BEAM FOR 5 PSF LATERAL LOAD & 300 PLF PARTITION WEIGHT. BEAM MAY BE LATERALLY BRACED PROVIDED THAT KICKERS DO NOT CONFLICT WITH CEILING, AV OR MEP.



1 OVERALL ROOF FRAMING PLAN
1" = 10'-0"

PLAN

KEY PLAN



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3/17/2023

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PROJECT DESCRIPTION:
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1825 STATE HWY Y, CASSVILLE, MO 65625

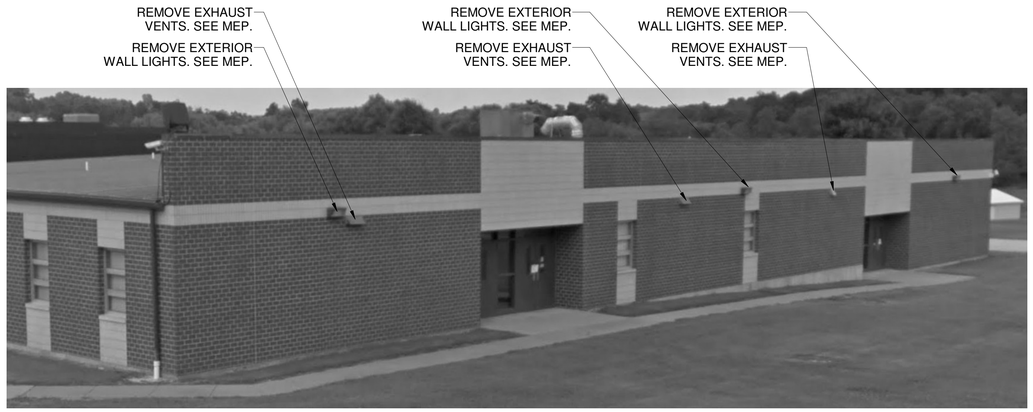
PROJECT ENGINEER: CMT
DRAWN BY: CAW
CHECKED BY: CMT

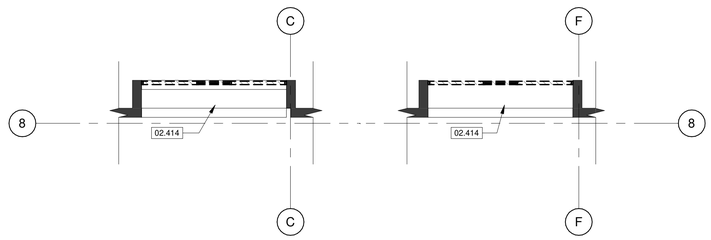
PROJECT NUMBER:
21-620

DATE:
2023.05.17

OVERALL ROOF FRAMING PLAN

SHEET NUMBER:
S3-1

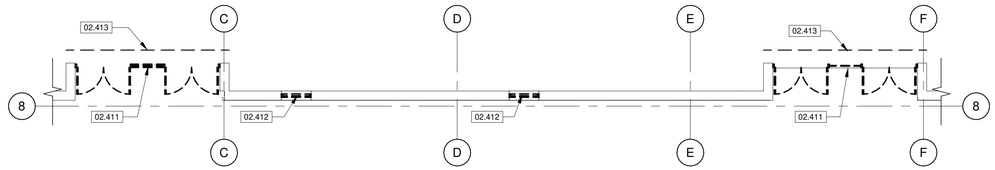




2 DEMOLITION REFLECTED CEILING PLAN FIRST LEVEL

SCALE 1/8" = 1'-0"

NORTH



1 DEMOLITION PLAN FIRST LEVEL

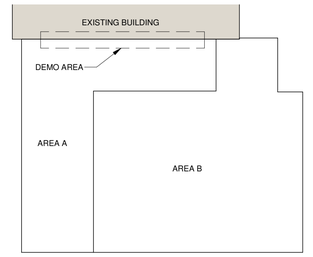
SCALE 1/8" = 1'-0"

NORTH

KEYNOTE LEGEND

02.411	DEMO STOREFRONT SYSTEM AND PREP OPENING FOR INSTALLATION OF NEW INTERIOR STOREFRONT SYSTEM. SEE SECTION 02.4100 DEMOLITION.
02.412	DEMO WINDOW AND PREP FOR INSTALLATION OF NEW CMU BLOCK WALL FLUSH TO INSIDE FACE. PAINT INTERIOR TO MATCH EXISTING. SEE SECTION 02.4100 DEMOLITION.
02.413	LOCATION OF TEMPORARY PARTITIONS. COORDINATE LOCATION WITH CONTRACTOR. SEE SECTION 02.4100 DEMOLITION.
02.414	DEMO SOFFIT AND PREP FOR INSTALLATION OF NEW CEILING. SEE SECTION 02.4100 DEMOLITION.

KEYPLAN



DEMOLITION GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY PARTITIONS AND TEMPORARY DOORS AS DEEMED NECESSARY BY THE ARCHITECT, ENGINEERS, AND OWNER. TEMPORARY DOORS SHALL BE WELL MAINTAINED AND ANY DAMAGE REPAIRED IMMEDIATELY TO AVOID MIGRATION OF DUST INTO ADJOINING AREAS. THE CONTRACTOR SHALL ERECT AND MAINTAIN TEMPORARY DUST PROOF PARTITIONS TO LIMIT DUST AND NOISE FROM ENTERING ADJACENT OCCUPIED SPACES. DUST PROOF PARTITIONS SHALL BE CONSTRUCTED WITH WOOD STUD FRAMING, PLYWOOD, BATT INSULATION, AND POLYETHYLENE PLASTIC SHEETING AS NEEDED TO CREATE A DUST-PROOF BARRIER.
2. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK IN OCCUPIED SPACES INCLUDING ABOVE AND BELOW THE AREA OF WORK WITH SUB-CONTRACTORS AND OWNER. THE CONTRACTOR SHALL NOTIFY THE OWNER TWO WEEKS PRIOR TO COMMENCING DEMOLITION WORK. SPACES ADJACENT TO, ABOVE, AND BELOW THE AREA OF WORK ARE INTENDED TO REMAIN OCCUPIED DURING DEMOLITION ACTIVITIES AND ALL WORK SHALL BE PERFORMED IN SUCH A MANNER AS TO MINIMIZE DISRUPTIONS TO OCCUPANTS. PROTECT EXISTING FLOOR FINISHES FROM CONSTRUCTION TRAFFIC THROUGH OCCUPIED AREAS. EXISTING WALL, FLOOR, AND CEILING FINISHES TO REMAIN SHALL BE PROTECTED AND ANY DAMAGE RESULTING FROM DEMOLITION WORK SHALL BE REPAIRED BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
3. EACH CONTRACTOR WILL BE EXPECTED TO STOP WORK IN AREAS ADJACENT TO OCCUPIED SPACES WHEN CONSTRUCTION NOISE, ODORS, AND/OR DUST INTERRUPTS NORMAL BUILDING OCCUPANCY.
4. MAINTAIN PATH OF EGRESS AT ALL TIMES DURING CONSTRUCTION FOR EXISTING BUILDING OCCUPANTS. A MINIMUM CLEAR PATH OF EGRESS OF 4'-0" SHALL BE ENFORCED BY THE CONTRACTOR AT ALL TIMES.
5. WHEN DEMOLITION CAUSES DAMAGE TO FLOOR, WALL, OR CEILING SURFACES THAT WILL REMAIN EXPOSED IN THE FINISHED WORK SUCH DAMAGE SHALL BE REPAIRED AS REQUIRED TO RECEIVE NEW FINISHES.
6. CONTRACTOR SHALL PROTECT ANY EXISTING WALLS, DOORS, HARDWARE, LIGHTS, FIXTURES, FINISHES, CEILINGS, WINDOWS OR GLASS IN DOORS OR ANY OTHER EXISTING ELEMENTS TO REMAIN AND/OR DIRECTLY ADJACENT TO CONSTRUCTION AREAS. PROTECTION SHALL INCLUDE PLYWOOD OR OTHER SOLID PROTECTION AS NECESSARY TO PREVENT DAMAGE BY DEBRIS AND CONSTRUCTION ACTIVITIES.
7. THE CONTRACTOR SHALL COVER AND PROTECT OWNER'S EQUIPMENT WHICH CANNOT BE REMOVED FROM THE PROJECT AREA.
8. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WITH ANY PHASING AS REQUIRED TO COMPLETE THE WORK.
9. WHERE EXTERIOR WALLS, DOORS, AND/OR WINDOWS ARE TO BE REMOVED OR MODIFIED THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THAT THE EXISTING BUILDING REMAINS SECURE, WEATHER-TIGHT, AND WITHOUT DRAFTS WHEN REMOVED.
10. MAKE ALL DEMOLITION CLEAN AND COMPLETE AND IN A MANNER SUITABLE TO ACCEPT NEW FINISHES AND FINISHED SURFACES.
11. REMOVE ALL EXISTING WALL MOUNTED ITEMS WITHIN THE PROJECT AREA WHICH ARE NOT NOTED TO REMAIN. THE CONTRACTOR SHALL DISPOSE OF THESE ITEMS AFTER INSPECTION BY THE OWNER FOR FUTURE USE OR STORAGE. IF ITEMS ARE REMOVED FROM WALLS THAT ARE TO REMAIN THE CONTRACTOR SHALL PATCH WALLS AS REQUIRED TO RECEIVE NEW FINISHES AND/OR FINISHED SURFACES.
12. DEMOLITION FOR BUILDING SERVICES AND UTILITIES SHALL BE PERFORMED BY THE TRADE RESPONSIBLE FOR THAT UTILITY. FOR EXAMPLE, PLUMBING FIXTURES SHALL BE DEMOLISHED BY THE PLUMBING CONTRACTOR. OPENINGS FOR DEMOLISHED UTILITIES SHALL BE INFILLED BY TRADE RESPONSIBLE FOR PIPING, DUCT, OR CONDUIT DEMOLITION. OPENINGS THROUGH FIRE-RATED CONSTRUCTION SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION OR BE FIRESTOPPED AS REQUIRED BY APPLICABLE CODES.
13. REROUTE OR TERMINATE ALL CONNECTIONS OF BUILDING SYSTEMS PRIOR TO DEMOLITION. EXISTING BUILDING SYSTEMS SHALL REMAIN ACTIVE AT ALL TIMES OF REGULAR BUILDING USE UNLESS PROPER, SCHEDULED, AND TEMPORARY SHUTDOWN IS COORDINATED AND APPROVED BY OWNER AND CONTRACTOR.
14. IF CONTRACTOR ENCOUNTERS DEMOLITION WHICH IS STRUCTURAL AND/OR LOAD BEARING THAT HAS NOT BEEN IDENTIFIED IN DRAWINGS AS LOAD BEARING THE CONTRACTOR MUST CONTACT ARCHITECT IMMEDIATELY AND DOCUMENT CONDITIONS IN WRITING.
15. PROVIDE TEMPORARY SHORING OR BRACING OF EXISTING STRUCTURAL SYSTEMS AS REQUIRED FOR INSTALLATION OF NEW CONSTRUCTION.
16. SEE FLOOR PLANS, ELEVATIONS, DETAILS, AND OTHER DRAWINGS INCLUDED HEREIN FOR NEW CONSTRUCTION AND ITS EFFECT ON DEMOLITION ITEMS DESCRIBED HEREIN.
17. SEE SPECIFICATIONS FOR DISPOSAL OR SALVAGE OF ALL DEMOLISHED MATERIALS AND DEBRIS. ALL DEMOLISHED ITEMS AND MATERIALS THAT ARE NOT TURNED OVER TO OWNER SHALL BE REMOVED FROM THE BUILDING AND PROJECT SITE AND DISPOSED OF OFF-SITE IN A PROPER AND LEGAL MANNER.
18. DEMOLITION IDENTIFIED AS "COMPLETE" IS TO BE FULLY DEMOLISHED INCLUDING ASSOCIATED FASTENERS, MASTIC, BLOCKING, AND ACCESSORIES TO THAT ITEM OR ITEMS.
19. ANY ITEM OR ITEMS INDICATED TO BE SALVAGED FOR REINSTALLATION OR TURNED OVER TO OWNER SHOULD BE PHOTOGRAPHED AND COPIES OF THE PHOTOGRAPHS SENT TO THE ARCHITECT AND OWNER WITHIN 10 DAYS OF REMOVAL. ITEMS TO BE SALVAGED SHALL BE CAREFULLY REMOVED AND PROPERLY STORED BY CONTRACTOR UNTIL TURNED OVER TO OWNER. COORDINATE STORAGE AND TIMELINE WITH OWNER FOR TRANSFER OF SALVAGED ITEMS TO OWNER.
20. IF CONTRACTOR ENCOUNTERS HAZARDOUS MATERIALS, THEN THE WORK IN THE AREA IS TO BE SUSPENDED AND CONTRACTOR MUST NOTIFY THE OWNER AND ARCHITECT FOR MATERIAL TESTING IN WRITING.

PARAGON ARCHITECTURE

MISSOURI STATE CERTIFICATE OF AUTHORITY: NUMBER A-2016000415

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CONSTRUCTION MANAGER
RE SMITH CONSTRUCTION COMPANY
1036 W. 2ND ST
JOPLIN, MO 64801
417-623-4545

STATE OF MISSOURI
JARED A. YOUNGLOVE
NUMBER A-2017019282
ARCHITECT
5.17.23

JARED A. YOUNGLOVE, ARCHITECT
MO #: A-2017019282

REVISION SCHEDULE

PROJECT DESCRIPTION:
CASSVILLE HS: PERFORMING ARTS CENTER
1825 STATE HWY Y, CASSVILLE, MO 65625

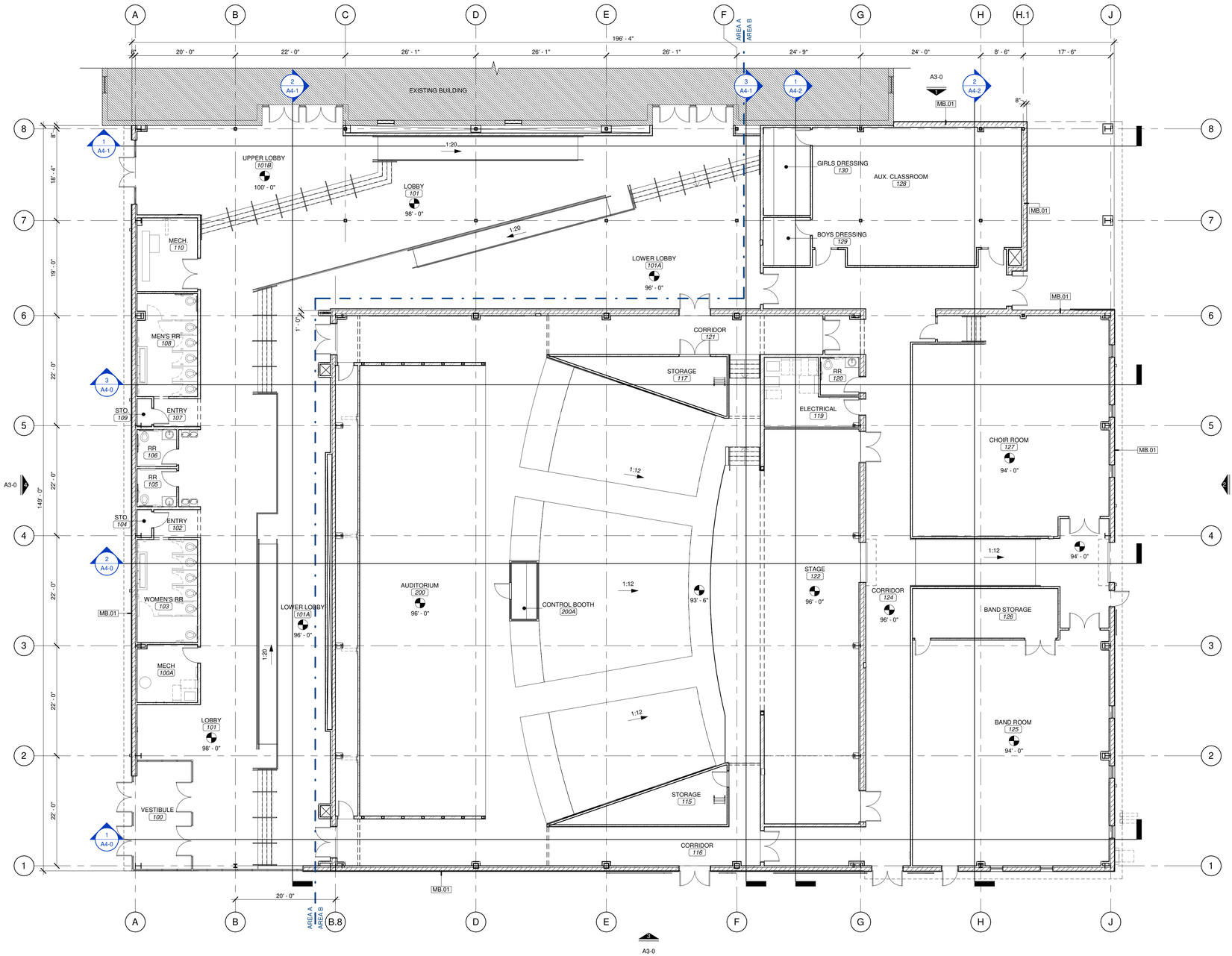
PROJECT ARCHITECT: JAY
DRAWN BY: TW, TD, KW
CHECKED BY: KW, JS, JAY

PROJECT NUMBER:
21-620

DATE:
2023.05.17

DEMOLITION

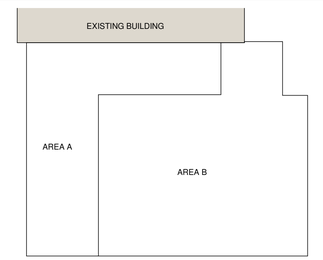
SHEET NUMBER:
A0-0



1 OVERALL FLOOR PLAN

SCALE 3/32" = 1'-0"

KEYPLAN



EXTERIOR WALL SCHEDULE

MB.01	PRE-ENGINEERED METAL BUILDING METAL WALL PANEL SIDING OVER 8" GIRTS WITH INTERIOR 3 5/8" STUD FRAMING. GIRTS ENGINEERED BY METAL BUILDING MANUFACTURER. PROVIDE R-13 FIBERGLASS INSULATION AND VAPOR RETARDER. SEE A3 SERIES SHEETS FOR INFORMATION ON METAL PANEL ORIENTATION.

FLOOR PLAN GENERAL NOTES

1. ALL DIMENSIONS INDICATED IN CONTRACT DOCUMENTS ARE FROM FACE OF STUD TO FACE OF STUD FOR INTERIOR PARTITIONS, FACE OF EXISTING STRUCTURE OR FINISH, FACE OF CONCRETE OR BLOCK, OR TO STRUCTURAL LINE, EXCEPT AS NOTED OTHERWISE. DIMENSIONS OF EXISTING STRUCTURE ARE NOTED +/- AND SHOULD BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF WORK AND THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES IN WRITING.
2. CONTRACTOR SHALL COORDINATE ALL MECHANICAL, ELECTRICAL, AND PLUMBING WORK. CONTRACTOR TO PROVIDE ALL NECESSARY CONSTRUCTION TO FACILITATE WORK INCLUDING BUT NOT LIMITED TO ROUGH OPENINGS, EQUIPMENT SUPPORTS, AND BACKING.
3. PROVIDE SOLID WOOD BLOCKING AS REQUIRED TO INSTALL EQUIPMENT AND CASEWORK. VERIFY WITH OWNER FOR ALL ADDITIONAL OWNER FURNISHED ITEMS THAT REQUIRE BLOCKING.
4. BUILDING IS TO BE STAKED OUT ON SITE BY A REGISTERED LAND SURVEYOR PRIOR TO COMMENCEMENT OF CONSTRUCTION TO VERIFY THAT NO CONFLICTS EXIST BETWEEN PROPOSED CONSTRUCTION AND PROPERTY SETBACKS, EASEMENTS, EXISTING STRUCTURES, OR OTHER PHYSICAL OBJECTS ON SITE. NOTIFY THE ARCHITECT IMMEDIATELY IN WRITING OF ANY CONFLICTS OR VARIATIONS FROM PLANS.
5. INTERIOR DOORS TO BE LOCATED 5" AWAY FROM ADJACENT CORNERS, UNLESS NOTED OTHERWISE.
6. SEE STRUCTURAL DRAWINGS FOR ALL HEADER, BOND BEAM, LINTEL, COLUMN, AND OTHER STRUCTURAL REQUIREMENTS.
7. SEE CODE COMPLIANCE PLAN FOR FIRE EXTINGUISHER AND SIGNAGE REQUIREMENTS AND LOCATIONS.
8. FINISH FLOOR ELEVATION 100'-0" IS EQUAL TO FFE 1321.70 ON CIVIL SHEET C2.0.
9. OWNER TO PROVIDE A RELIABLE SNOW REMOVAL MAINTENANCE PROGRAM TO PREVENT WATER ACCUMULATION ON WALKING SURFACES AND PROVIDE A SAFE PATH OF EGRESS TRAVEL AT ALL TIMES PER IBC SECTION 1010.7.2.

NORTH

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STATE OF MISSOURI
JARED A. YOUNGLOVE
NUMBER A-2017019282
ARCHITECT
5.17.23
JARED A. YOUNGLOVE, ARCHITECT
MO #: A-2017019282

REVISION SCHEDULE

Description	Date 1

PROJECT DESCRIPTION:
CASSVILLE HS: PERFORMING ARTS CENTER
1825 STATE HWY Y, CASSVILLE, MO 65625

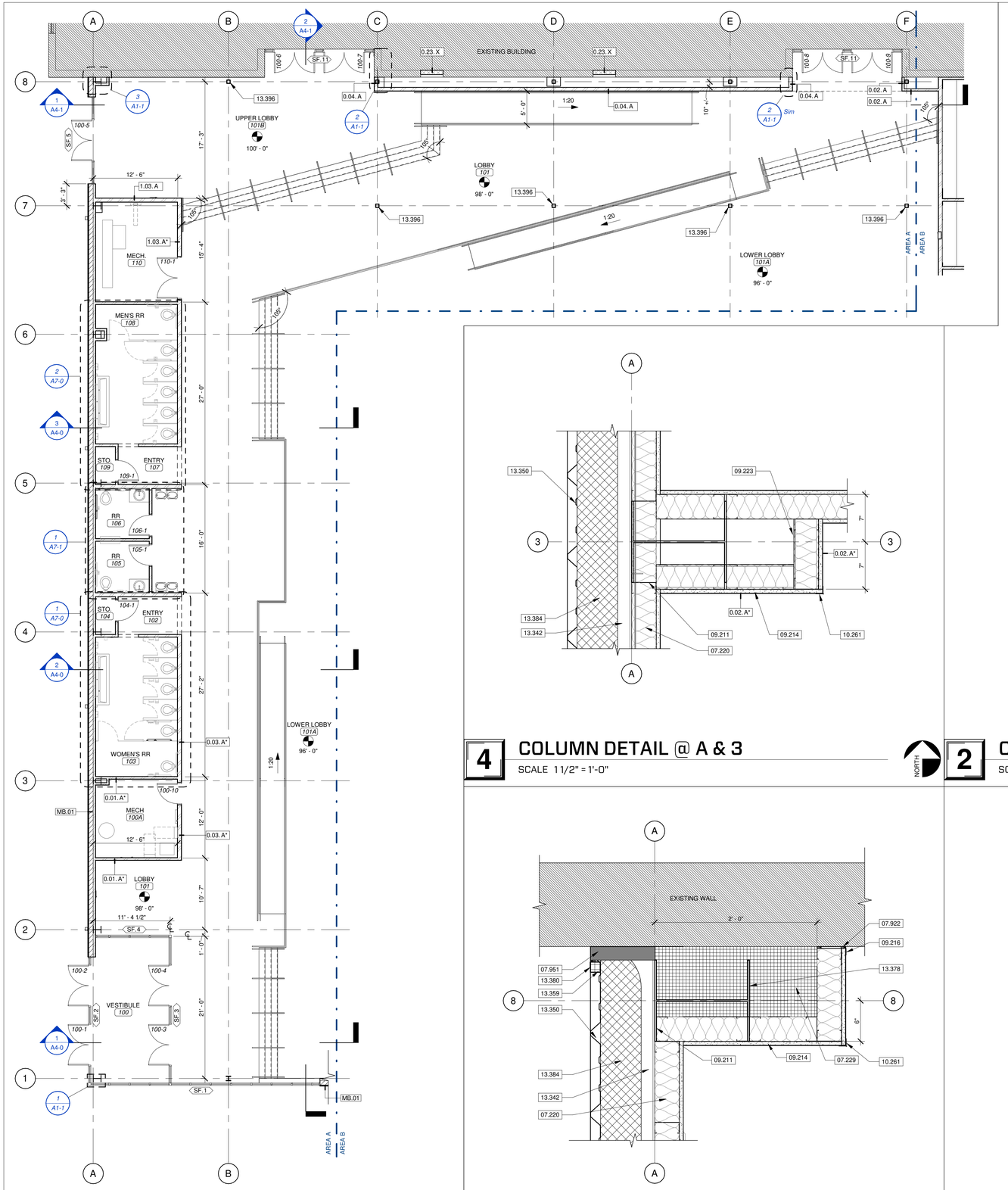
PROJECT ARCHITECT: JAY
DRAWN BY: TW, TD, KW
CHECKED BY: KW, JS, JAY

PROJECT NUMBER:
21-620

DATE:
2023.05.17

OVERALL FLOOR PLAN

SHEET NUMBER:
A1-0

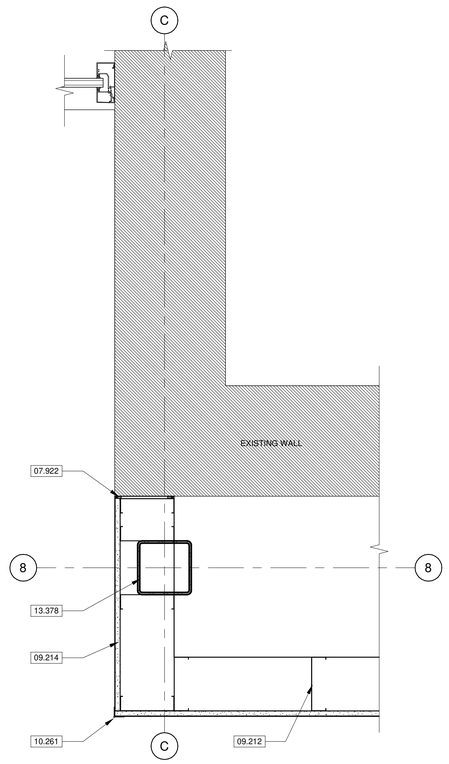


5 FLOOR PLAN AREA A

SCALE 1/8" = 1'-0"

4 COLUMN DETAIL @ A & 3

SCALE 11/2" = 1'-0"

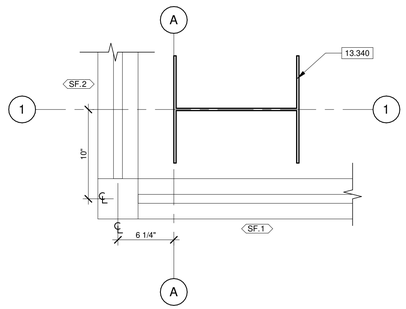


2 COLUMN DETAIL @ C & 8

SCALE 11/2" = 1'-0"

3 COLUMN DETAIL @ A & 8

SCALE 11/2" = 1'-0"



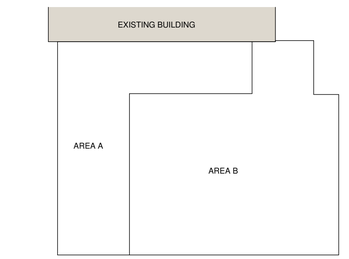
1 COLUMN DETAIL @ A & 1

SCALE 11/2" = 1'-0"

KEYNOTE LEGEND

07.220	FILL CAVITY WITH UNFACED R-13 BATT INSULATION. SEE SECTION 07.2100 THERMAL INSULATION.
07.229	FILL CAVITY SURROUNDING PRE-ENGINEERED METAL BUILDING FRAMING WITH BLOWN IN INSULATION. SEE SECTION 07.2100 THERMAL INSULATION
07.922	CONTINUOUS BACKER ROD AND SEALANT. SEE SECTION 07.9200 JOINT SEALANTS.
07.951	2" EXPANSION JOINT. SEE SECTION 07.9513 EXPANSION JOINT COVER ASSEMBLIES.
09.211	3-5/8" METAL STUD FRAMING AT 16" ON CENTER MAXIMUM. SEE SECTION 09.2116 GYPSUM BOARD ASSEMBLIES.
09.212	6" METAL STUD FRAMING AT 16" ON CENTER MAXIMUM. SEE SECTION 09.2116 GYPSUM BOARD ASSEMBLIES.
09.214	5/8" GYPSUM BOARD. SEE SECTION 09.2116 GYPSUM BOARD ASSEMBLIES.
09.216	GYPSUM BOARD J CLIP. SEE SECTION 09.2116 GYPSUM BOARD ASSEMBLIES.
09.223	ALIGN INTERIOR STUD FACE WITH FACE OF PRE-ENGINEERED METAL BUILDING STRUCTURE. SEE SECTION 09.2116 GYPSUM BOARD ASSEMBLIES.
10.261	CORNER GUARD, SEE A9 SERIES FOR MORE INFORMATION. SEE SECTION 10.2600 WALL AND DOOR PROTECTION.
13.340	METAL BUILDING SYSTEMS. SEE SECTION 13.3419 METAL BUILDING SYSTEMS.
13.342	PRE-ENGINEERED METAL BUILDING Z-GIRT. SEE SECTION 13.3419 METAL BUILDING SYSTEMS.
13.350	PRE-ENGINEERED METAL BUILDING WALL PANELS. SEE SECTION 13.3419 METAL BUILDING SYSTEMS.
13.359	PRE-ENGINEERED METAL BUILDING PANEL CLOSURE. SEE SECTION 13.3419 METAL BUILDING SYSTEMS.
13.378	PRE-ENGINEERED METAL BUILDING STRUCTURAL STEEL FRAMING. SEE SECTION 13.3416 METAL BUILDING SYSTEMS.
13.380	PRE-ENGINEERED METAL BUILDING WALL PANEL END CLIP. SEE 13.3419 METAL BUILDING SYSTEMS.
13.384	PRE-ENGINEERED METAL BUILDING SIMPLE SAVER WALL INSULATION. SEE 13.3419 METAL BUILDING SYSTEMS.
13.396	PRIME AND PAINT EXPOSED COLUMN. SEE SECTION 13.3416 METAL BUILDING SYSTEMS.

KEYPLAN



FLOOR PLAN GENERAL NOTES

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7. SEE CODE COMPLIANCE PLAN FOR FIRE EXTINGUISHER AND SIGNAGE REQUIREMENTS AND LOCATIONS.
8. FINISH FLOOR ELEVATION 100'-0" IS EQUAL TO FFE 1321.70 ON CIVIL SHEET C2.0.
9. OWNER TO PROVIDE A RELIABLE SNOW REMOVAL MAINTENANCE PROGRAM TO PREVENT WATER ACCUMULATION ON WALKING SURFACES AND PROVIDE A SAFE PATH OF EGRESS TRAVEL AT ALL TIMES PER IBC SECTION 1010.7.2.

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CONSTRUCTION MANAGER
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JOPLIN, MO 64801
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STATE OF MISSOURI
JARED A. YOUNGLOVE
NUMBER A-2017019282
REGISTERED ARCHITECT
5.17.23
JARED A. YOUNGLOVE, ARCHITECT
MO #: A-2017019282

REVISION SCHEDULE

PROJECT DESCRIPTION:
CASSVILLE HS: PERFORMING ARTS CENTER
1825 STATE HWY Y, CASSVILLE, MO 65625

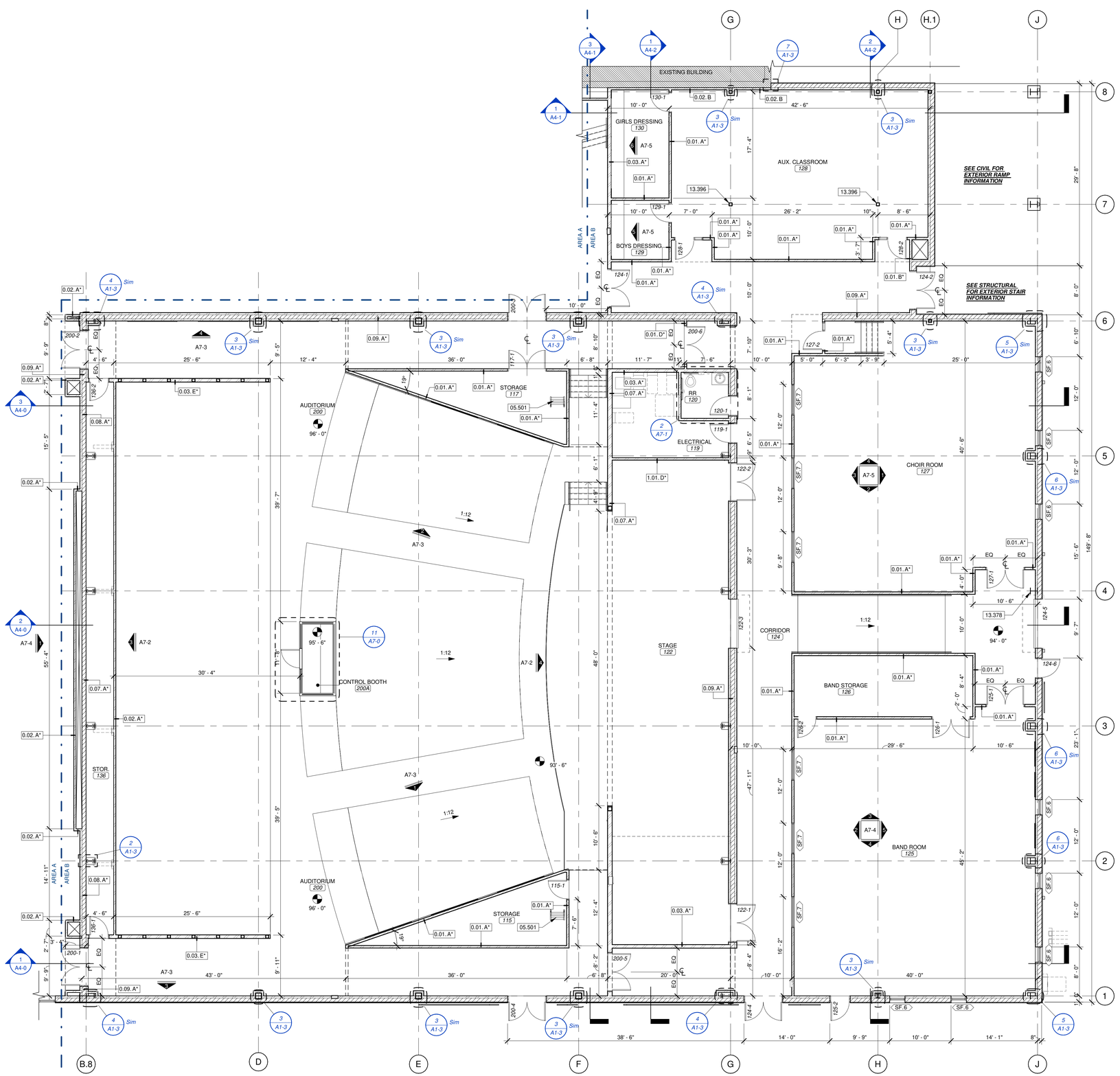
PROJECT ARCHITECT: JAY
DRAWN BY: TW, TD, KW
CHECKED BY: KW, JS, JAY

PROJECT NUMBER:
21-620

DATE:
2023.05.17

FLOOR PLAN - LOBBY

SHEET NUMBER:
A1-1



KEYNOTE LEGEND

05.501	BID ALTERNATE 1. SHIPS LADDER AND REQUIRED SAFETY RAILINGS ON STAIR AND AT OPENING. SEE SECTION 05.5000 METAL FABRICATIONS.
13.378	PRE-ENGINEERED METAL BUILDING STRUCTURAL STEEL FRAMING. SEE SECTION 13.3416 METAL BUILDING SYSTEMS.
13.396	PRIME AND PAINT EXPOSED COLUMN. SEE SECTION 13.3416 METAL BUILDING SYSTEMS.

1 FLOOR PLAN - AREA B

SCALE 1/8" = 1'-0"

NORTH

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STATE OF MISSOURI
JARED A. YOUNGLOVE
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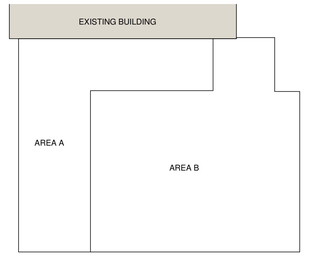
ARCHITECT
5.17.23
JARED A. YOUNGLOVE, ARCHITECT
MO #: A-2017019282

REVISION SCHEDULE

KEYPLAN



FLOOR PLAN GENERAL NOTES

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8. FINISH FLOOR ELEVATION 100'-0" IS EQUAL TO FFE 1321.70 ON CIVIL SHEET C2.0.
9. OWNER TO PROVIDE A RELIABLE SNOW REMOVAL MAINTENANCE PROGRAM TO PREVENT WATER ACCUMULATION ON WALKING SURFACES AND PROVIDE A SAFE PATH OF EGRESS TRAVEL AT ALL TIMES PER IBC SECTION 1010.7.2.

PROJECT DESCRIPTION:
CASSVILLE HS: PERFORMING ARTS CENTER
1825 STATE HWY Y, CASSVILLE, MO 65625

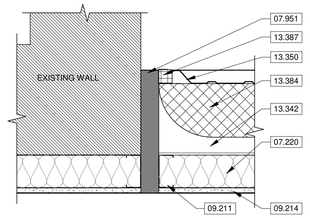
PROJECT ARCHITECT: JAY
DRAWN BY: TW, TD, KW, DRW2
CHECKED BY: KW, JS, JAY

PROJECT NUMBER:
21-620

DATE:
2023.05.17

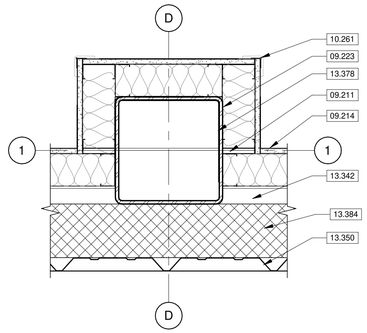
FLOOR PLAN - AUDITORIUM & CLASSROOMS

SHEET NUMBER:
A1-2



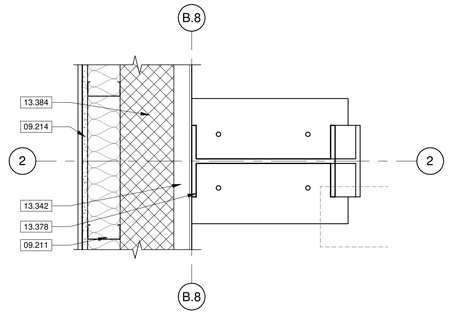
7 NEW TO EXISTING TRANSITION

SCALE 11/2" = 1'-0"



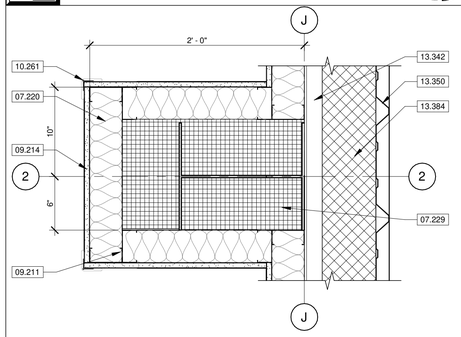
3 COLUMN DETAIL @ D & 1

SCALE 11/2" = 1'-0"



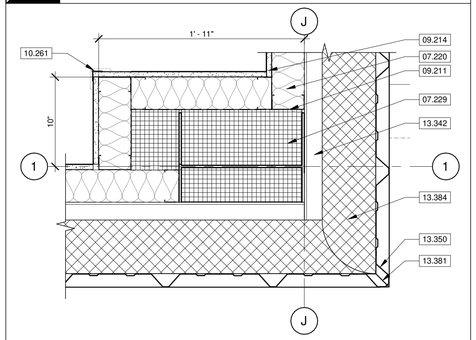
2 COLUMN DETAIL @ B.8 & 2

SCALE 11/2" = 1'-0"



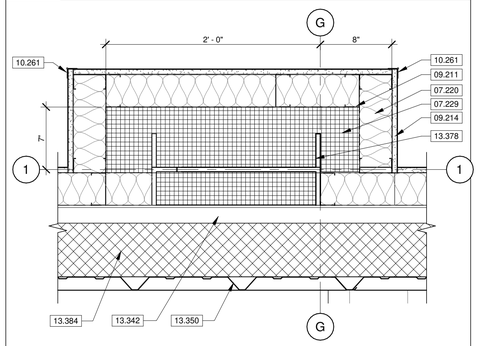
6 COLUMN DETAIL @ J & 2

SCALE 11/2" = 1'-0"



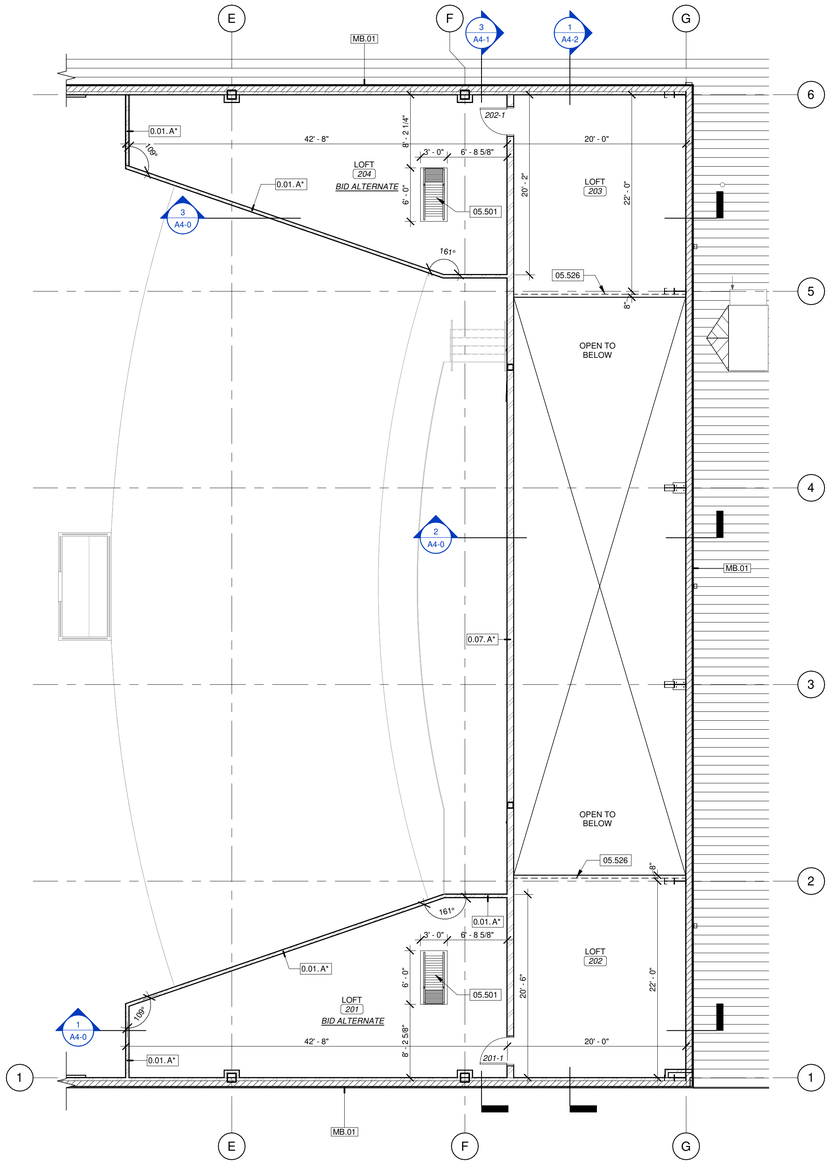
5 COLUMN DETAIL @ J & 1

SCALE 11/2" = 1'-0"



4 COLUMN DETAIL @ G & 1

SCALE 11/2" = 1'-0"



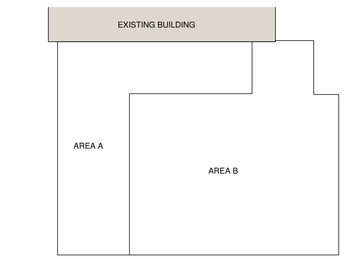
1 FLOOR PLAN MEZZANINE

SCALE 1/8" = 1'-0"

KEYNOTE LEGEND

05.501	BID ALTERNATE 1. SHIPS LADDER AND REQUIRED SAFETY RAILINGS ON STAIR AND AT OPENING . SEE SECTION 05.5000 METAL FABRICATIONS.
05.526	OFCI CHAIN ALONG EDGE OF MEZZANINE
07.220	FILL CAVITY WITH UNFACED R-13 BATT INSULATION. SEE SECTION 07.2100 THERMAL INSULATION.
07.229	FILL CAVITY SURROUNDING PRE-ENGINEERED METAL BUILDING FRAMING WITH BLOWN IN INSULATION. SEE SECTION 07.2100 THERMAL INSULATION
07.951	2" EXPANSION JOINT. SEE SECTION 07.9513 EXPANSION JOINT COVER ASSEMBLIES.
09.211	3-5/8" METAL STUD FRAMING AT 16" ON CENTER MAXIMUM. SEE SECTION 09.2116 GYPSUM BOARD ASSEMBLIES.
09.214	5/8" GYPSUM BOARD. SEE SECTION 09.2116 GYPSUM BOARD ASSEMBLIES.
09.223	ALIGN INTERIOR STUD FACE WITH FACE OF PRE-ENGINEERED METAL BUILDING STRUCTURE. SEE SECTION 09.2116 GYPSUM BOARD ASSEMBLIES.
10.261	CORNER GUARD, SEE A9 SERIES FOR MORE INFORMATION. SEE SECTION 10.2600 WALL AND DOOR PROTECTION.
13.342	PRE-ENGINEERED METAL BUILDING Z-GIRT. SEE SECTION 13.3419 METAL BUILDING SYSTEMS.
13.350	PRE-ENGINEERED METAL BUILDING WALL PANELS. SEE SECTION 13.3419 METAL BUILDING SYSTEMS.
13.378	PRE-ENGINEERED METAL BUILDING STRUCTURAL STEEL FRAMING. SEE SECTION 13.3416 METAL BUILDING SYSTEMS.
13.381	PRE-ENGINEERED METAL BUILDING CORNER TRIM. SEE SECTION 13.3419 METAL BUILDING SYSTEMS.
13.384	PRE-ENGINEERED METAL BUILDING SIMPLE SAVER WALL INSULATION. SEE 13.3419 METAL BUILDING SYSTEMS.
13.387	PRE-ENGINEERED METAL BUILDING METAL WALL PANEL CLOSURE. SEE SECTION 13.3419 METAL BUILDING SYSTEMS.

KEYPLAN



FLOOR PLAN GENERAL NOTES

1. ALL DIMENSIONS INDICATED IN CONTRACT DOCUMENTS ARE FROM FACE OF STUD TO FACE OF STUD FOR INTERIOR PARTITIONS, FACE OF EXISTING STRUCTURE OR FINISH, FACE OF CONCRETE OR BLOCK, OR TO STRUCTURAL LINE, EXCEPT AS NOTED OTHERWISE. DIMENSIONS OF EXISTING STRUCTURE ARE NOTED +/- AND SHOULD BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF WORK AND THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES IN WRITING.
2. CONTRACTOR SHALL COORDINATE ALL MECHANICAL, ELECTRICAL, AND PLUMBING WORK. CONTRACTOR TO PROVIDE ALL NECESSARY CONSTRUCTION TO FACILITATE WORK INCLUDING BUT NOT LIMITED TO ROUGH OPENINGS, EQUIPMENT SUPPORTS, AND BACKING.
3. PROVIDE SOLID WOOD BLOCKING AS REQUIRED TO INSTALL EQUIPMENT AND CASEWORK. VERIFY WITH OWNER FOR ALL ADDITIONAL OWNER FURNISHED ITEMS THAT REQUIRE BLOCKING.
4. BUILDING IS TO BE STAKED OUT ON SITE BY A REGISTERED LAND SURVEYOR PRIOR TO COMMENCEMENT OF CONSTRUCTION TO VERIFY THAT NO CONFLICTS EXIST BETWEEN PROPOSED CONSTRUCTION AND PROPERTY SETBACKS, EASEMENTS, EXISTING STRUCTURES, OR OTHER PHYSICAL OBJECTS ON SITE. NOTIFY THE ARCHITECT IMMEDIATELY IN WRITING OF ANY CONFLICTS OR VARIATIONS FROM PLANS.
5. INTERIOR DOORS TO BE LOCATED 5" AWAY FROM ADJACENT CORNERS, UNLESS NOTED OTHERWISE.
6. SEE STRUCTURAL DRAWINGS FOR ALL HEADER, BOND BEAM, LINTEL, COLUMN, AND OTHER STRUCTURAL REQUIREMENTS.
7. SEE CODE COMPLIANCE PLAN FOR FIRE EXTINGUISHER AND SIGNAGE REQUIREMENTS AND LOCATIONS.
8. FINISH FLOOR ELEVATION 100'-0" IS EQUAL TO FFE 1321.70 ON CIVIL SHEET C2.0.
9. OWNER TO PROVIDE A RELIABLE SNOW REMOVAL MAINTENANCE PROGRAM TO PREVENT WATER ACCUMULATION ON WALKING SURFACES AND PROVIDE A SAFE PATH OF EGRESS TRAVEL AT ALL TIMES PER IBC SECTION 1010.7.2.

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STATE OF MISSOURI
JARED A. YOUNGLOVE
NUMBER A-2017019282
CIVIL
5.17.23

JARED A. YOUNGLOVE, ARCHITECT
MO #: A-2017019282

REVISION SCHEDULE

PROJECT DESCRIPTION:
CASSVILLE HS: PERFORMING ARTS CENTER
1825 STATE HWY Y, CASSVILLE, MO 65625

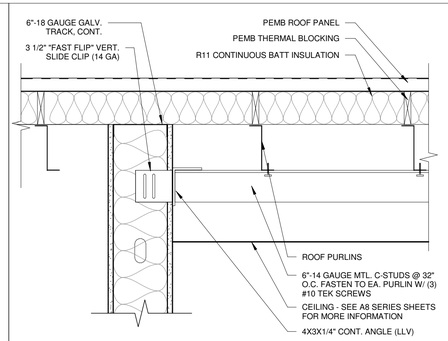
PROJECT ARCHITECT: JAY
DRAWN BY: TW, TD, KW
CHECKED BY: KW, JS, JAY

PROJECT NUMBER:
21-620

DATE:
2023.05.17

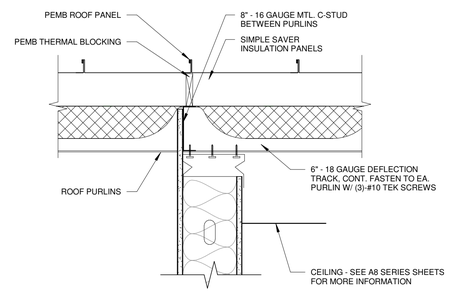
FLOOR PLAN - MEZZANINE

SHEET NUMBER:
A1-3



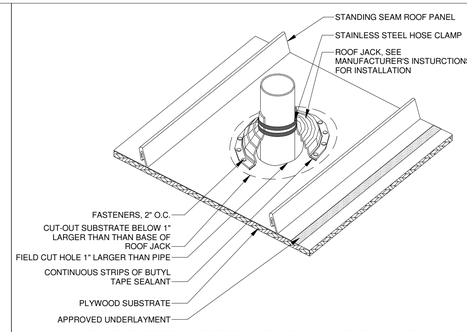
4 ROOF CONNECTION PARALLEL

SCALE 11/2" = 1'-0"



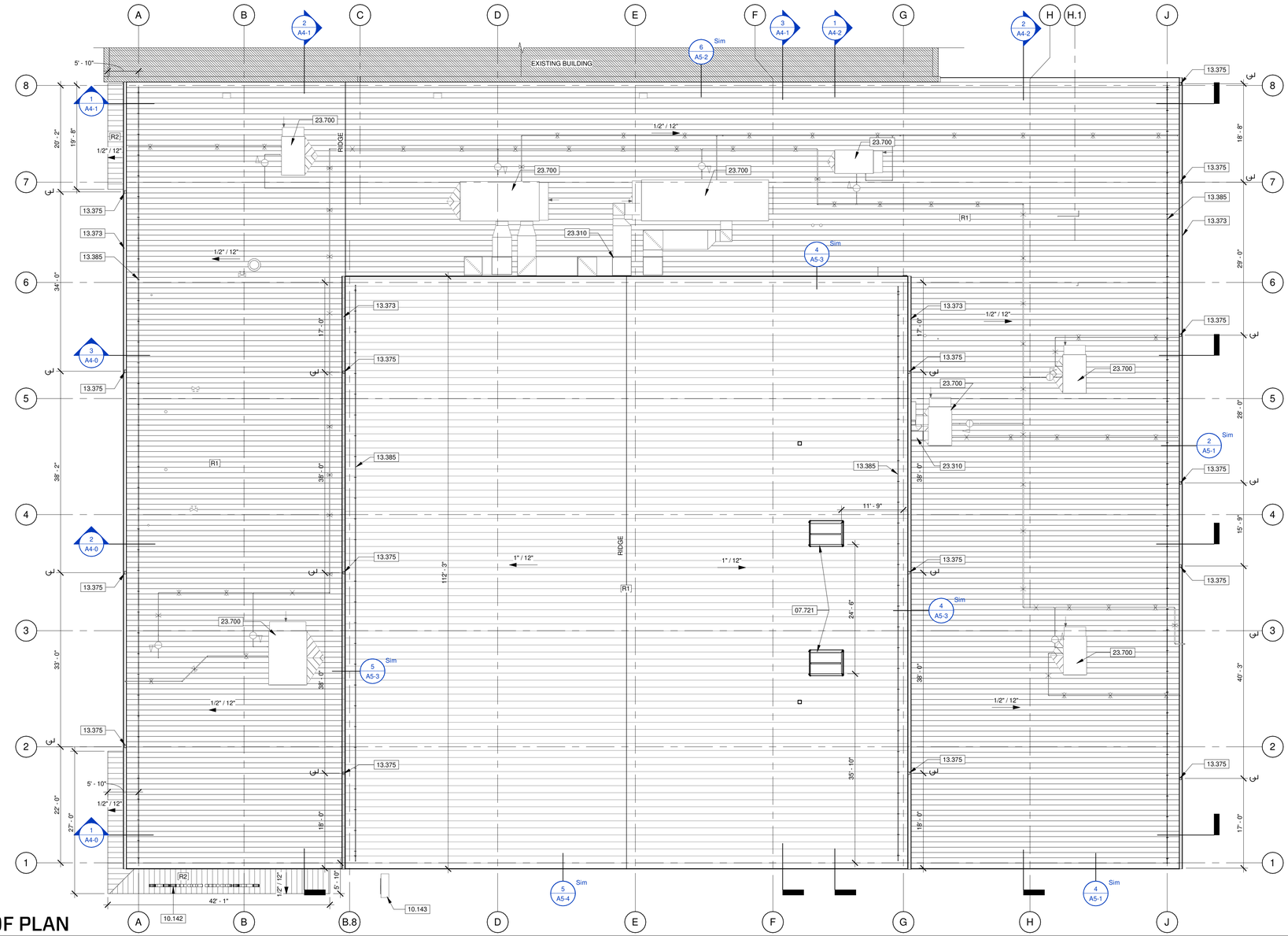
3 ROOF CONNECTION PERPENDICULAR

SCALE 11/2" = 1'-0"



2 PIPE PENETRATION - STANDING SEAM METAL ROOFING

SCALE 11/2" = 1'-0"



1 ROOF PLAN

SCALE 3/32" = 1'-0"

KEYNOTE LEGEND

07.721	ROOF VENTS. TWO 5'X8' OPENINGS CENTERED WITHIN STAGE BELOW. SEE DIVISION 07.7200 ROOF ACCESSORIES.
10.142	DIMENSIONAL LETTERING ATTACHED TO ENTRY AWNING. ATTACHMENT BY SIGNAGE MANUFACTURER. SEE SECTION 10.1400 SIGNAGE.
10.143	CANTILEVERED SIGN ATTACHED TO PRE-ENGINEERED METAL BUILDING. ATTACHMENT BY SIGNAGE MANUFACTURER. SEE SECTION 10.1400 SIGNAGE.
13.373	PRE-ENGINEERED METAL BUILDING 7"X7" METAL GUTTER PER MANUFACTURER'S STANDARD DETAILS. SEE SECTION 13.3419 METAL BUILDING SYSTEMS.
13.375	PRE-ENGINEERED METAL BUILDING 4"X6" METAL DOWNSPOUT PER MANUFACTURER'S STANDARD DETAILS. SEE SECTION 13.3419 METAL BUILDING SYSTEMS.
13.385	SNOW GUARDS. SEE ROOF PLAN FOR LOCATIONS.
23.310	PAINTED METAL DUCTS. SEE MEP. SEE DIVISION 23.0000 SPECIFICATIONS. COORDINATE COLOR WITH ARCHITECT.
23.700	PREFINISHED MECHANICAL EQUIPMENT WITH CURB, SEE MEP. SEE DIVISION 23.0000 SPECIFICATIONS. COORDINATE FINISH REQUIREMENTS WITH ARCHITECT.

ROOF SCHEDULE

R1	STANDING SEAM METAL ROOF PANELS ATTACHED TO PRE-ENGINEERED METAL BUILDING ROOF PURLINS WITH SINGLE LAYER INSULATION SYSTEM - BASIS OF DESIGN TO BE SIMPLE SAVER SYSTEM. PROVIDE 9" THICK LOWER INSULATION LAYER. TOTAL R-VALUE OF R-30 PROVIDE STEEL STRAPS AND FABRIC LINER SYSTEM.
R2	STANDING SEAM METAL ROOF PANELS ATTACHED TO PRE-ENGINEERED METAL BUILDING ROOF PURLINS

ROOF PLAN GENERAL NOTES

1. ALL ROOF MATERIALS INCLUDING TO BE COMPLIANT WITH MANUFACTURER'S ROOF WARRANTY.
2. CRICKETS SHALL SLOPE NOT LESS THAN 1" PER FOOT.
3. ALL FLASHING CONDITIONS SHALL CONFORM WITH MANUFACTURERS RECOMMENDATIONS. TERMINATIONS AND FLASHING SHALL BE LOCATED 12" MINIMUM ABOVE TOP OF ROOF UNLESS NOTED OTHERWISE.
4. ALL PENETRATIONS OF STRUCTURAL STEEL AND VENTS SHALL CONFORM WITH MANUFACTURER'S RECOMMENDED DETAILS AND COMPLIANT WITH ROOF WARRANTY REQUIREMENTS.
5. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION AND ROOF PENETRATION REQUIREMENTS.

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OVERALL ROOF PLAN

SHEET NUMBER:
A2-0