

ABBREVIATIONS

(ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)

A

A/E	ARCHITECT/ENGINEER
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE (-LY)
ARCH	ARCHITECTURAL, ARCHITECT
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY

B

BC	BOTTOM CHORD
BLDG	BUILDING
BM	BEAM
BOD	BOTTOM OF DECK
BOT	BOTTOM
BP	BASE PLATE
BRG	BEARING
BS	BOTH SIDES
BVL	BEVELED
BW	BOTH WAYS

C

C	COMPRESSION, CHANNEL SHAPE
CG	CENTER OF GRAVITY
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
CLR	CLEAR, CLEARANCE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS, CONTINUED
CONTR	CONTRACTOR
CONX	CONNECTION

D

DETL	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DWG	DRAWING (-S)
DWL	DOWEL

E

EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV, EL	ELEVATION
EMBED	EMBEDMENT, EMBEDDED
ENGR	ENGINEER
EQ	EQUAL, EARTHQUAKE
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR

F

FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FINISH FLOOR
FIN	FINISH (-ED)
FLR	FLOOR
FS	FAR SIDE
FT	FOOT/FEET
FTG	FOOTING

G

GA	GAGE OR GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GC	GENERAL CONTRACTOR

H

HEE	HOOK EACH END
HORIZ	HORIZONTAL
HP	HIGH POINT
HSA	HEADED STUD ANCHOR
HSS	HOLLOW STRUCTURAL SECTION

I

IN	INCH (-ES)
INFO	INFORMATION
INT	INTERIOR

J

JST	JOIST
JT	JOINT

K

K	KIPS (1000 LBS)
KSI	KIPS PER SQUARE INCH

L

L	ANGLE SHAPE
LB, #	POUND
LD	DEVELOPMENT LENGTH
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LP	LOW POINT
LVL	LEVEL

M

MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL SHAPE
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MFR	MANUFACTURE (-R)
MIN	MINIMUM
MISC	MISCELLANEOUS
MT	STRUCTURAL TEE CUT FROM MISC STEEL
MTL	METAL

N

N/A	NOT APPLICABLE
NF	NEAR FACE
NS	NEAR SIDE
NTS	NOT TO SCALE

O

OC	ON CENTER
OPNG	OPENING (-S)
OPP	OPPOSITE
OH	OPPOSITE HAND

P

PERP	PERPENDICULAR
PL	PLATE
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PREFAB	PREFABRICATED
PRELIM	PRELIMINARY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH

R

RAD	RADIUS
RD	ROOF DRAIN
RE., REF	REFER TO
REINF	REINFORCE (-D,-ING,-MENT)
REQD	REQUIRED
REV	REVISION

S

SCHED	SCHEDULE(D)
SDI	STEEL DECK INSTITUTE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION(S)
SSL	SHORT SLOTTED (HOLES)
STD	STANDARD
STIFF	STIFFENER
STIR	STIRRUP
STL	STEEL
STR	STRUCTURAL
STRUCT	STRUCTURE

T

T/	TOP OF
T&B	TOP & BOTTOM
TEMP	TEMPERATURE, TEMPORARY
THRD	THREADED
THRU	THROUGH
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TYP	TYPICAL

U

UNO	UNLESS NOTED OTHERWISE
-----	------------------------

V

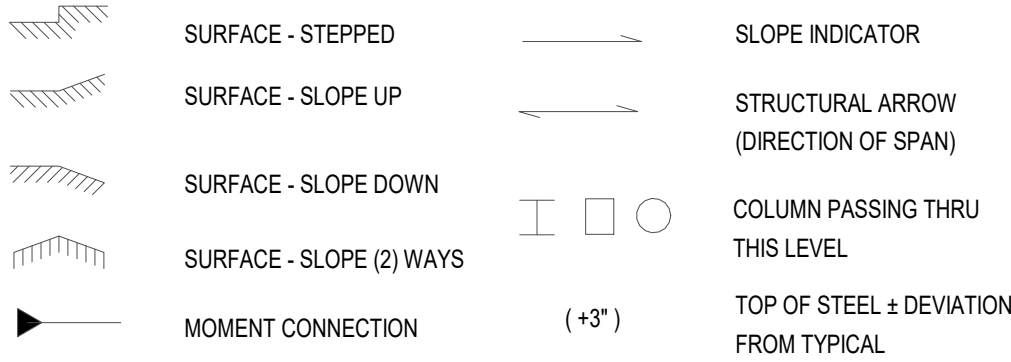
VERT	VERTICAL
------	----------

W

W/	WITH
W/O	WITHOUT
WP	WORK POINT
WT	WEIGHT, STRUCTURAL TEE CUT FROM WIDE FLANGE BEAM

STRUCTURAL SYMBOLS

(ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)



THE FOLLOWING SYMBOLS ARE USED TO REPRESENT THE MATERIALS SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO SPECIFICATIONS AND GENERAL NOTES FOR MATERIAL QUALITIES REQUIRED.



SPECIAL INSPECTIONS

VERIFICATION AND INSPECTION

CONCRETE CONSTRUCTION

- INSPECTION OF REINFORCING STEEL AND PLACEMENT.
- INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2, ITEM 2B.
- INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED.
- INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.
- VERIFYING USE OF REQUIRED DESIGN MIX.
- AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.
- INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.
- INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.
- INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.
- VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.

STEEL CONSTRUCTION

- INSPECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360.
- INSPECTION OF COLD FORMED STEEL STRUCTURAL FRAMING SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISI S240.

MASONRY CONSTRUCTION

- MASONRY CONSTRUCTION SHALL BE INSPECTED AND VERIFIED IN ACCORDANCE WITH TMS 402 / ACI 530 / ASCE 5 AND TMS 602 / ACI 530.1 / ASCE 6 QUALITY ASSURANCE PROGRAM REQUIREMENTS.

WOOD CONSTRUCTION

- SPECIAL INSPECTIONS OF THE FABRICATION PROCESS OF PREFABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES SHALL BE IN ACCORDANCE WITH IBC SECTION 1704.2.5. SPECIAL INSPECTIONS OF SITE-BUILT ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS SECTION.

SOIL

- VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.
- VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.
- PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.
- VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.
- PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.

WIND RESISTANCE

- WIND RESISTING COMPONENTS:
 - ROOF CLADDING
 - WALL CLADDING
 - ALL OTHER INSPECTIONS REQUIRED BY TEXAS DEPARTMENT OF INSURANCE.

CONTINUOUS MEANS FULL-TIME OBSERVATION OF WORK. PERIODIC MEANS PART-TIME OR INTERMITTENT OBSERVATION OF WORK AND AT THE COMPLETION OF WORK. ALL OTHER INSPECTIONS NOT LISTED ABOVE BUT REQUIRED BY IBC OR THE CLIENT SHALL BE PERFORMED.

- THE OWNER SHALL ASSIGN AND EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED IN THE SPECIAL INSPECTIONS TABLE ABOVE PER SECTION 1705 OF THE IBC. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN THE PROJECT SPECIFICATIONS.
- SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS AND PROVIDE SPECIAL INSPECTION REPORTS. THE SPECIAL INSPECTORS OR CONTRACTOR SHALL SUBMIT INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO COMPLETION OF THAT PHASE OF WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR REGARDING INDIVIDUAL INSPECTIONS FOR ITEMS LISTED IN THE SPECIAL INSPECTIONS TABLE ABOVE AND AS NOTED ON THE BUILDING DEPARTMENT APPROVED PLANS. ADEQUATE NOTICE AND ACCESS TO APPROVED PLANS SHALL BE PROVIDED SO THAT THE SPECIAL INSPECTOR HAS TIME TO BECOME FAMILIAR WITH THE PROJECT.
- FABRICATORS OF STRUCTURAL, LOAD-BEARING MEMBERS AND ASSEMBLIES SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1704.2.5 OF THE IBC.



ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229
p 614.898.7100
f 614.898.7570
www.msconsultants.com

WHATABURGER
PROTOTYPE 20-M

NE Douglas St & St. Luke's Blvd
Lee's Summit, Missouri



WHATABURGER

NOTICE: THIS ARCHITECTURAL AND ENGINEERING DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED ONLY PURSUANT TO THE AGREEMENT WITH THE ARCHITECT. NO OTHER USE, DISSEMINATION, OR DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED.



PROFESSIONAL OF RECORD:
Craig E. Metzger No 2019031268
Exp Date: 12/31/21

REV	DESCRIPTION	DATE
	Issued for Bid/Permit	12/21/20

Project No.: 40497-01

Client Project No.:

Drawing Title:

SYMBOLS, ABBREVIATIONS & SPECIAL INSPECTIONS

Date: 10/30/2020 Phase: BID/PERMIT
Designed: CEM Drawing No.:
Drawn: CLS
Checked: CEM

S0.1

C:\Backup\Revit\WB\Lees Summil_MO_V16_STRC_200921_deterock.net 12/22/2020 3:56:22 PM

GENERAL NOTES			FOUNDATION NOTES			POST-INSTALLED ANCHOR NOTES			WOOD FRAMING NOTES		
1. BUILDING AND DESIGN CODES: A. 2012 INTERNATIONAL BUILDING CODE B. ASCE 7-10: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES C. ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES D. ACI 318: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, LATEST EDITION E. AISC 360: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, LATEST EDITION F. AISC MANUAL OF STEEL CONSTRUCTION, LATEST EDITION G. AISI 2007: SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS H. AMERICAN WELDING SOCIETY, WELDING CODES I. TMS 402/ACI 530/ASCE 6: BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, LATEST EDITION J. NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION, LATEST EDITION 2. OCCUPANCY CATEGORY II 3. LIVE LOADS: A. FLOOR 100 PSF B. ROOF 20 PSF 4. WIND LOADS: A. BASIC WIND SPEED (3 SECOND GUST) 115 MPH (ULTIMATE) B. IMPORTANCE FACTOR, I 1.0 C. EXPOSURE CATEGORY C D. INTERNAL PRESSURE COEFFICIENT, GCpi +/- 0.18 E. DESIGN WIND PRESSURES (COMPONENTS & CLADDING)											

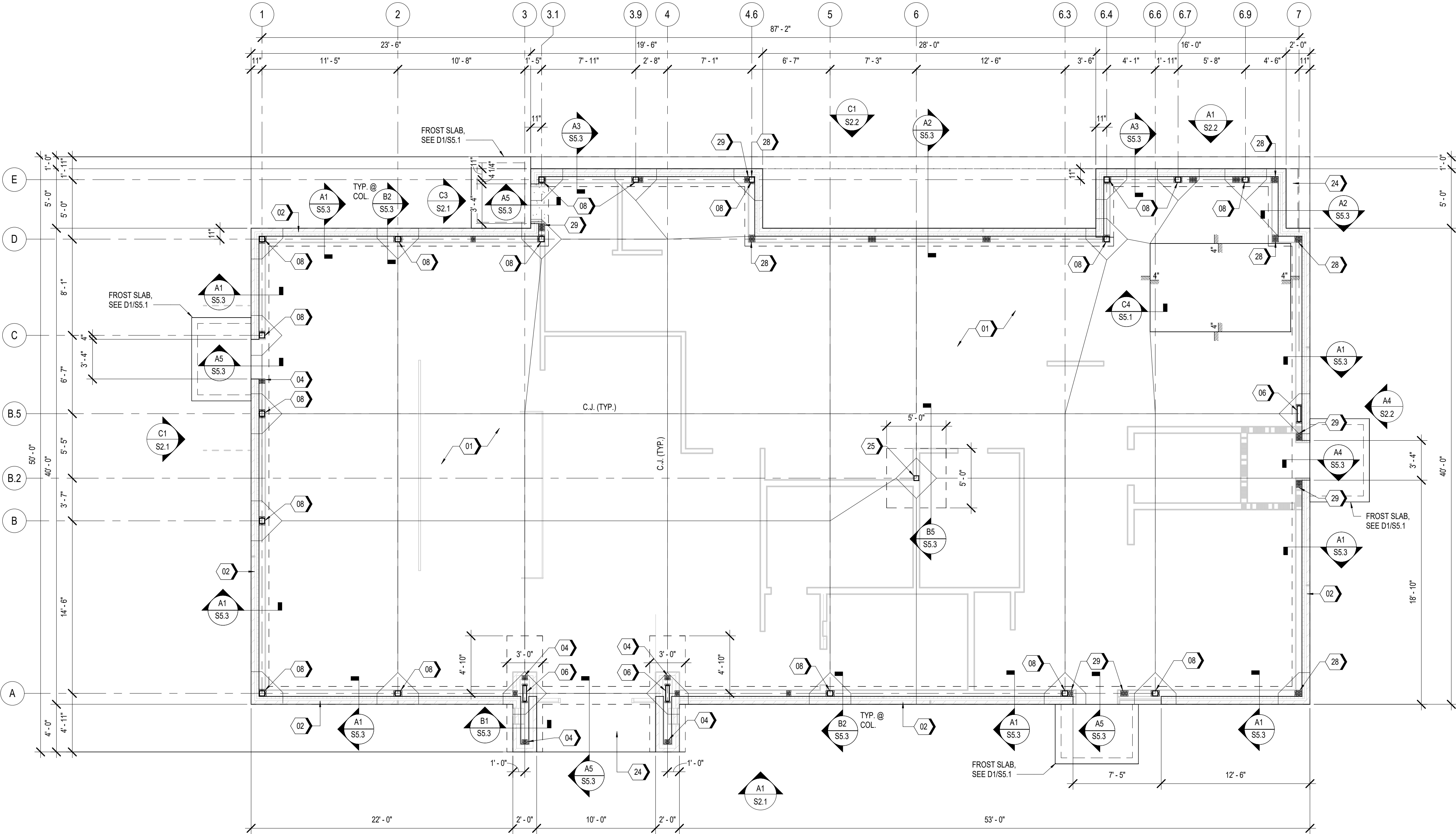


ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229
p 614.898.7100
f 614.898.7570
www.msconsultants.com

C:\Backup\Revit\WB-Lees Summit_MO_V16_STRC_200921_dsheroch.nt

12/22/2020 3:55:24 PM

A1 FOUNDATION PLAN
3/16" = 1'-0"



PLAN NOTES

1. REFER TO SHEET S0.1 FOR GENERAL NOTES.
2. TOP OF STRUCTURAL SLAB ELEVATION CORRESPONDS TO ARCHITECTURAL FINISH FLOOR ELEVATION 100'-0" AND CIVIL ELEVATION 1019.25'.
3. C.J. INDICATES CONTROL JOINT. RE: A4/S5.1 FOR DETAILS.
4. PROVIDE 10 MIL POLYETHYLENE VAPOR BARRIER IMMEDIATELY BELOW SLAB-ON-GRADE.
5. REFER TO THE GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION.
6. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND SIZES OF ALL WALLS AND WALL OPENINGS.
7. COORDINATE ALL SLAB PENETRATIONS WITH ARCHITECTURAL AND MECHANICAL / ELECTRICAL / PLUMBING DRAWINGS.
8. AT CONDUIT PENETRATIONS AT GRADE BEAMS, PROVIDE ADDITIONAL (2) #5 REBAR 3" ABOVE AND BELOW CONDUIT.
9. RE: A3/S5.2 FOR NON-LOAD BEARING PARTITION WALL CONNECTION TO SLAB.
10. COORDINATE ALL EXTERIOR WALL STUD LOCATIONS WITH PRE-MANUFACTURED WOOD TRUSSES. A STUD IS REQUIRED TO BE LOCATE BELOW CENTERLINE OF EACH TRUSS U.N.O. ON ROOF FRAMING PLAN. LOCATE ANCHOR BOLTS TO AVOID STUDS/POSTS.
11. ALL EXTERIOR WALL STUDS ARE 2x6 STUDS SPACED AT 12" O.C. MAX. U.N.O. REFER TO ARCHITECTURAL DRAWINGS FOR INTERIOR WALL STUD SIZES AND SPACING.
12. RE: S5.2 FOR STEEL COLUMN BASE PLATE AND ANCHOR ROD SIZES AND DETAILS.

KEYNOTES

- 01 5" CONCRETE SLAB ON GRADE W/ #4 @ 18" O.C. EACH WAY.
- 02 8" WIDE x 4" TALL BRICK LEDGE, TYPICAL AROUND PERIMETER. OMIT AT DOORS.
- 04 (3) 2x6 STUD PACK, RE: A5/S5.2 FOR NAILING DETAILS.
- 06 HSS 18x4x5/16 COLUMN.
- 08 HSS 5-1/2x5-1/2x5/16 COLUMN.
- 24 PROVIDE 2% SLOPE AWAY FROM BUILDING AT TOP OF EXTERIOR SLAB-ON-GRADE.
- 25 HSS 5x5x1/4 COLUMN.
- 28 TYPICAL CORNER STUD PACK, RE: A4/S5.2 FOR DETAIL.
- 29 HEADER SUPPORT STUDS, RE: C2/S5.2 AND A1/S5.2 FOR FRAMING DETAILS.



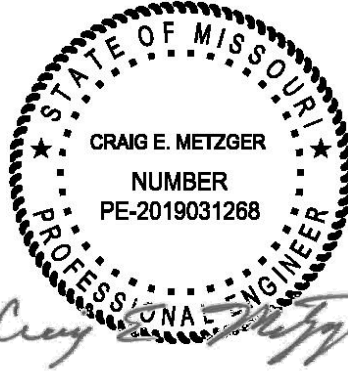
ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229
p 614.898.7100
f 614.898.7570
www.msconsultants.com

**WHATABURGER
PROTOTYPE 20-M**

NE Douglas St & St. Luke's Blvd
Lee's Summit, Missouri



NOTICE: THIS ARCHITECTURAL AND ENGINEERING DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED ONLY PURSUANT TO THE AGREEMENT WITH THE ARCHITECT. NO OTHER USE, DISSEMINATION, OR DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED.



PROFESSIONAL OF RECORD:
Craig E. Metzger No 2019031268
Exp Date: 12/31/21

REV	DESCRIPTION	DATE
	Issued for Bid/Permit	12/21/20

Project No.: 40497-01

Client Project No.:

Drawing Title:

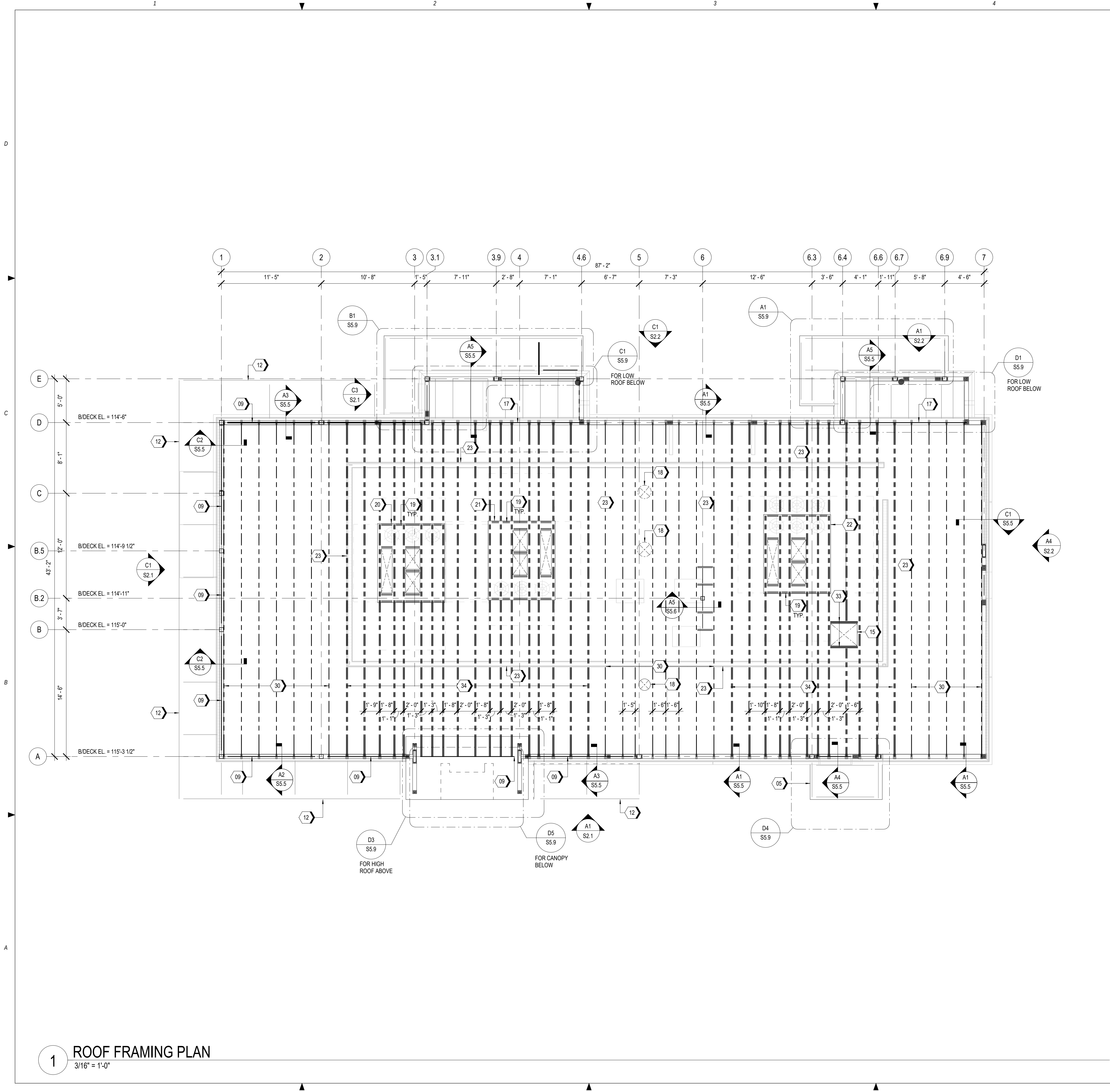
FOUNDATION PLAN

Date: 10/30/2020 Phase: BID/PERMIT
Designed: CEM Drawing No.:
Drawn: CLS
Checked: CEM

S1.1

C:\Backup\Revit\WB-Lees Summit_MO_V18_STRC_200921_deherock.rvt

12/22/2020 3:58:27 PM



1 ROOF FRAMING PLAN
3/16" = 1'-0"

PLAN NOTES

1. REFER TO SHEET S0.1 FOR GENERAL NOTES.
2. COORDINATE LOCATIONS OF ALL WALLS AND WALL OPENINGS WITH ARCHITECTURAL DRAWINGS.
3. REFER TO MECHANICAL DRAWINGS FOR RTU DETAILS. RTU WEIGHTS NOT TO EXCEED XXXX LBS FOR RTU-1 AND XXXX LBS FOR RTU-2.
4. RE: B3/S5.2 FOR DIAPER CHANGING STATION DETAIL.
5. PROVIDE STUD PACK WITH HOLDDOWN AT ALL BUILDING CORNERS. SEE A4/S5.2 FOR DETAILS.
6. ALL NAILING SHALL CONFORM TO IBC TABLE 2304.10.1, U.N.O.
7. RE: C1/S5.2 FOR TYPICAL TOP PLATE SPLICE DETAIL AT ALL EXTERIOR WALLS.
8. RE: B4 & B5/S5.2 FOR TYPICAL CUTTING, NOTCHING, AND BORING OF WOOD STUDS.
9. PROVIDE 2x6 SOLID BLOCKING IN WALLS AS REQUIRED FOR REINFORCEMENT OF ALL GRAB BARS, RESTROOM FIXTURES, PLUMBING LINES, WALL BUMPERS, ETC. SEE ARCHITECTURAL AND KITCHEN INTERIOR ELEVATIONS FOR EQUIPMENT HEIGHTS AND LOCATIONS. SEE ARCHITECTURAL BUILDING AND WALL SECTIONS FOR LOCATIONS FOR ADDITIONAL BLOCKING REQUIREMENTS.
10. PROVIDE 2x6 SOLID BLOCKING BETWEEN WALL STUDS AT 4'-0" O.C.
11. PRE-MANUFACTURED ROOF WOOD TRUSSES TO BE SPACED AT 2'-0" ON CENTER, U.N.O. RE: S5.7 FOR TRUSS DIAGRAMS AND LOADING CRITERIA. DOUBLE TRUSSES UNDER MECHANICAL UNITS AND WHERE SHOWN ON PLAN.
12. REFER TO GENERAL NOTES FOR ROOF DECKING AND NAILING PATTERN.

KEYNOTES

- 05 EXTERIOR CANOPY BELOW. RE: S5.9 FOR ENLARGED FRAMING PLAN.
- 09 HSS 10x4x5/16 BEAM.
- 12 EXTERIOR SUNSHADE. RE: S5.10 FOR ENLARGED FRAMING PLAN.
- 13 HIGH-ROOF ABOVE. RE: S5.9 FOR ENLARGED FRAMING PLAN.
- 15 ROOF HATCH. RE: ARCH.
- 17 5-1/2"x15" 24F-V4 GLULAM X-BEAM.
- 18 EXHAUST FAN OPENING IN ROOF DECK. RE: MECH. FOR SIZE. SHIFT LOCATION ACCORDINGLY TO AVOID ROOF FRAMING.
- 19 (2) 2x6 BTW. ROOF TRUSSES.
- 20 RTU 1. RE: MECH. MAX. WEIGHT = 2,000 LBS.
- 21 RTU 2. RE: MECH. MAX. WEIGHT = 2,000 LBS.
- 22 RTU 3. RE: MECH. MAX. WEIGHT = 2,400 LBS.
- 23 ROOF TOP SCREENWALL. RE: S5.6 FOR STRUCTURAL DETAILS. RE: ARCH. FOR FINISHES AND CLADDING.
- 30 30" DEEP PRE-MANUFACTURED WOOD ROOF TRUSS. RE: TRUSS DIAGRAM ON S5.7 FOR DETAILS.
- 33 (2) 30" DEEP PRE-MANUFACTURED SHORT WOOD ROOF TRUSSES, BACK-TO-BACK. RE: TRUSS DIAGRAM ON S5.7 FOR DETAILS.
- 34 (2) 30" DEEP PRE-MANUFACTURED WOOD ROOF TRUSSES, BACK-TO-BACK. RE: TRUSS DIAGRAM ON S5.7 FOR DETAILS.



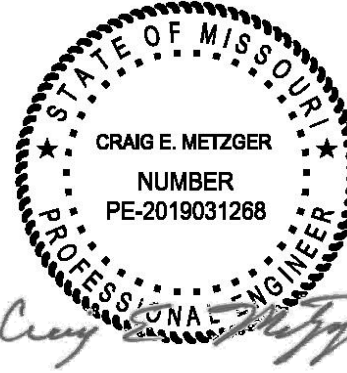
ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229
p 614.898.7100
f 614.898.7570
www.msconsultants.com

WHATABURGER PROTOTYPE 20-M

NE Douglas St & St. Luke's Blvd
Lee's Summit, Missouri



NOTICE: THIS ARCHITECTURAL AND ENGINEERING DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED ONLY PURSUANT TO THE AGREEMENT WITH THE ARCHITECT. NO OTHER USE, DISSEMINATION, OR DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED.



PROFESSIONAL OF RECORD:
Craig E. Metzger No 2019031268
Exp Date: 12/31/21

REV	DESCRIPTION	DATE
	Issued for Bid/Permit	12/21/20

Project No.: 40497-01

Client Project No.:

Drawing Title:

ROOF FRAMING PLAN

Date: 10/30/2020 Phase: BID/PERMIT

Designed: CEM

Drawn: CLS

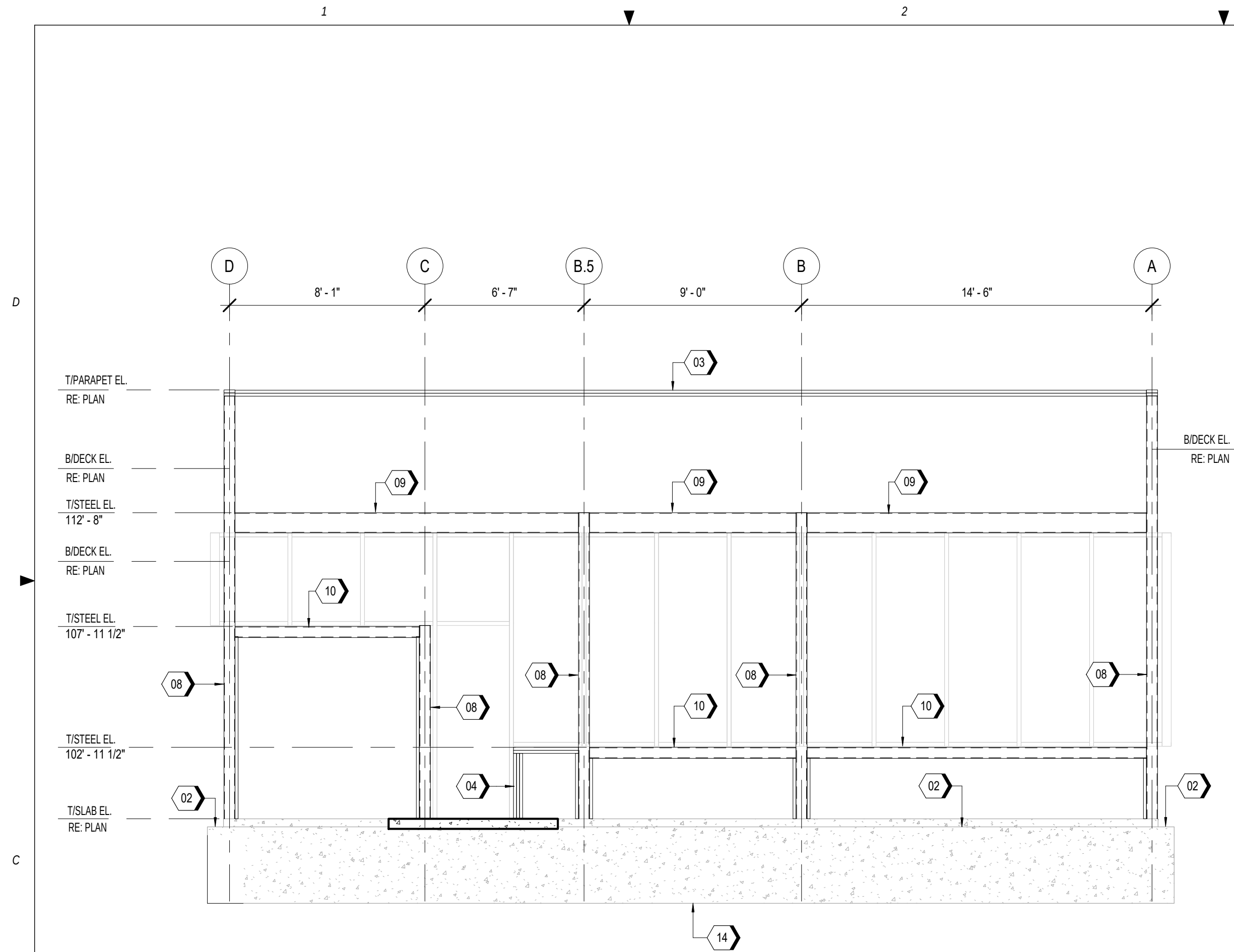
Checked: CEM

Drawing No.:

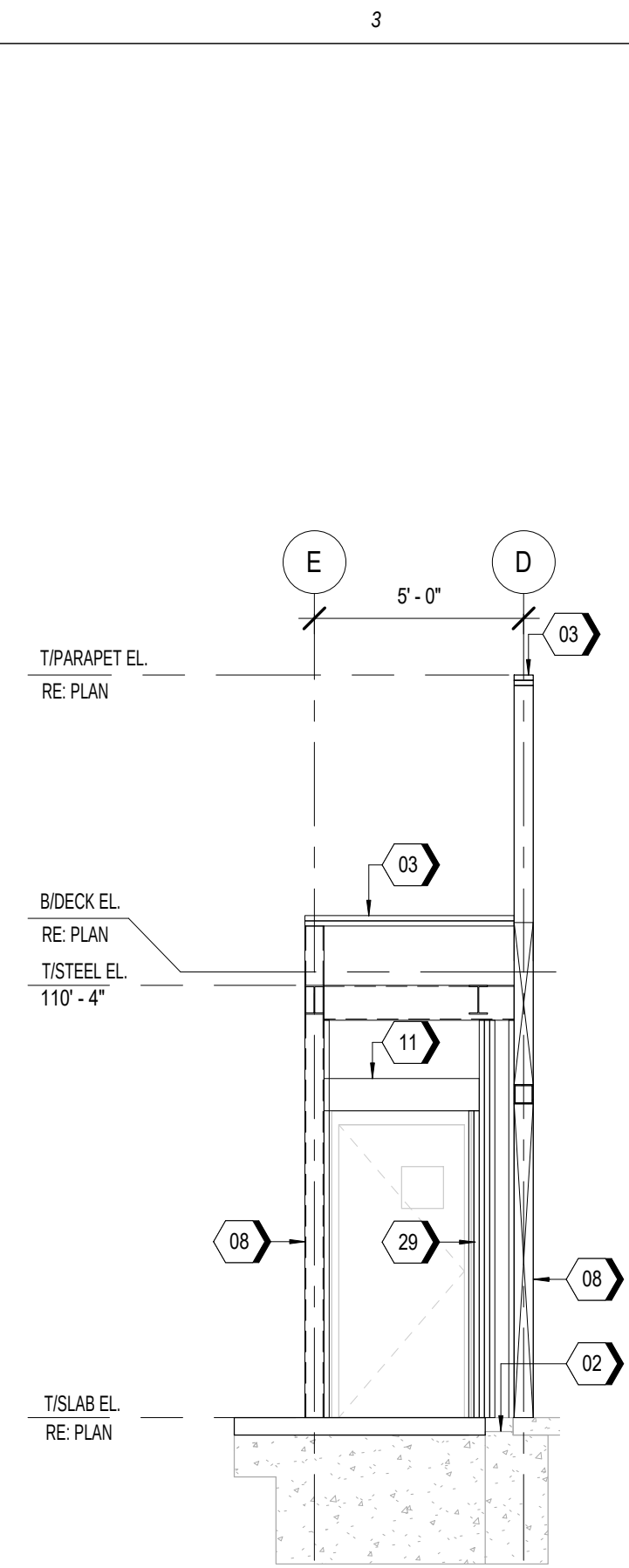
S1.2

C:\Backup\Revit\WB-Lees Summit_MO_V16_STRC_200921_dsheroch.nt

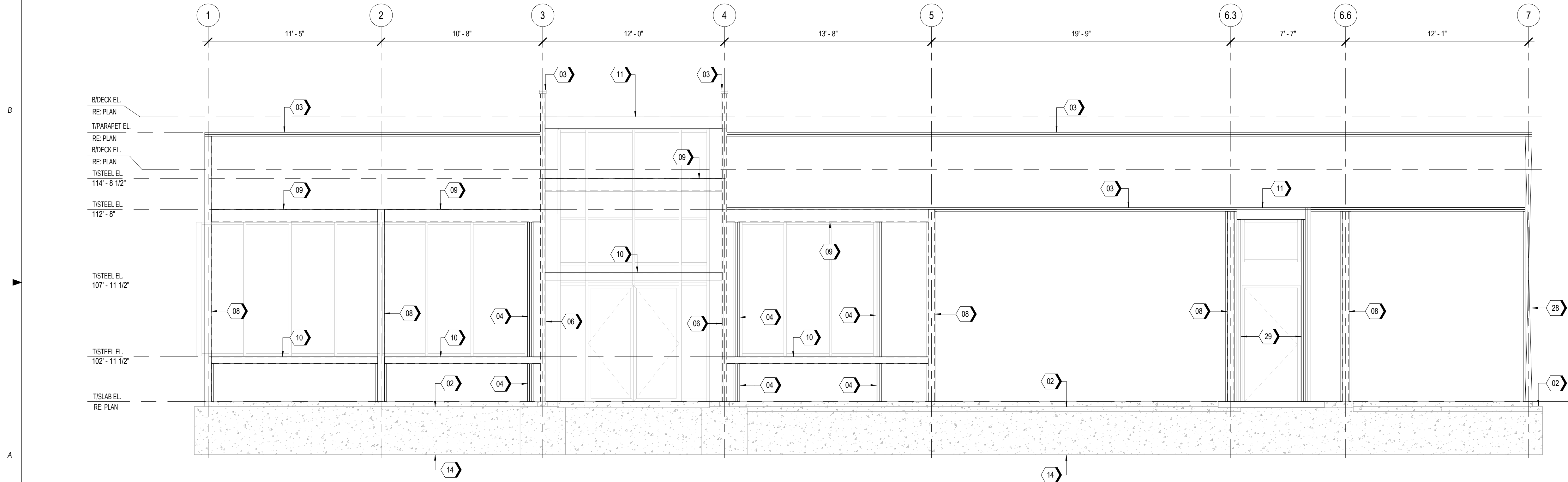
12/22/2020 3:55:30 PM



C1 PLAN WEST FRAMING ELEVATION
1/4" = 1'-0"



C3 PLAN NORTH FRAMING ELEVATION
1/4" = 1'-0"



A1 PLAN SOUTH FRAMING ELEVATION
1/4" = 1'-0"

KEYNOTES

- 02 8" WIDE x 4" TALL BRICK LEDGE, TYPICAL AROUND PERIMETER. OMIT AT DOORS.
- 03 DOUBLE 2x6 TOP PLATE.
- 04 (3) 2x6 STUD PACK. RE: A5/S5.2 FOR NAILING DETAILS.
- 06 HSS 16x45/16 COLUMN.
- 08 HSS 5-1/2x5-1/2x5/16 COLUMN.
- 09 HSS 10x45/16 BEAM.
- 10 HSS 5-1/2x5-1/2x5/16 BEAM.
- 11 HDR1. RE: C2/S5.2
- 14 GRADE BEAM. REFER FOUNDATION PLAN FOR DETAILS.
- 28 TYPICAL CORNER STUD PACK. RE: A4/S5.2 FOR DETAIL.
- 29 HEADER SUPPORT STUDS. RE: C2/S5.2 AND A1/S5.2 FOR FRAMING DETAILS.



ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229
p 614.898.7100
f 614.898.7570
www.msconsultants.com

WHATABURGER PROTOTYPE 20-M

NE Douglas St & St. Luke's Blvd
Lee's Summit, Missouri



NOTICE: THIS ARCHITECTURAL AND ENGINEERING DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED ONLY PURSUANT TO THE AGREEMENT WITH THE ARCHITECT. NO OTHER USE, DISSEMINATION, OR DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED.



PROFESSIONAL OF RECORD:
Craig E. Metzger No 2019031268
Exp Date: 12/31/21

REV	DESCRIPTION	DATE
	Issued for Bid/Permit	12/21/20

Project No.: 40497-01

Client Project No.:

Drawing Title:

FRAMING ELEVATIONS

Date: 10/30/2020 Phase: BID/PERMIT

Designed: CEM

Drawn: CLS

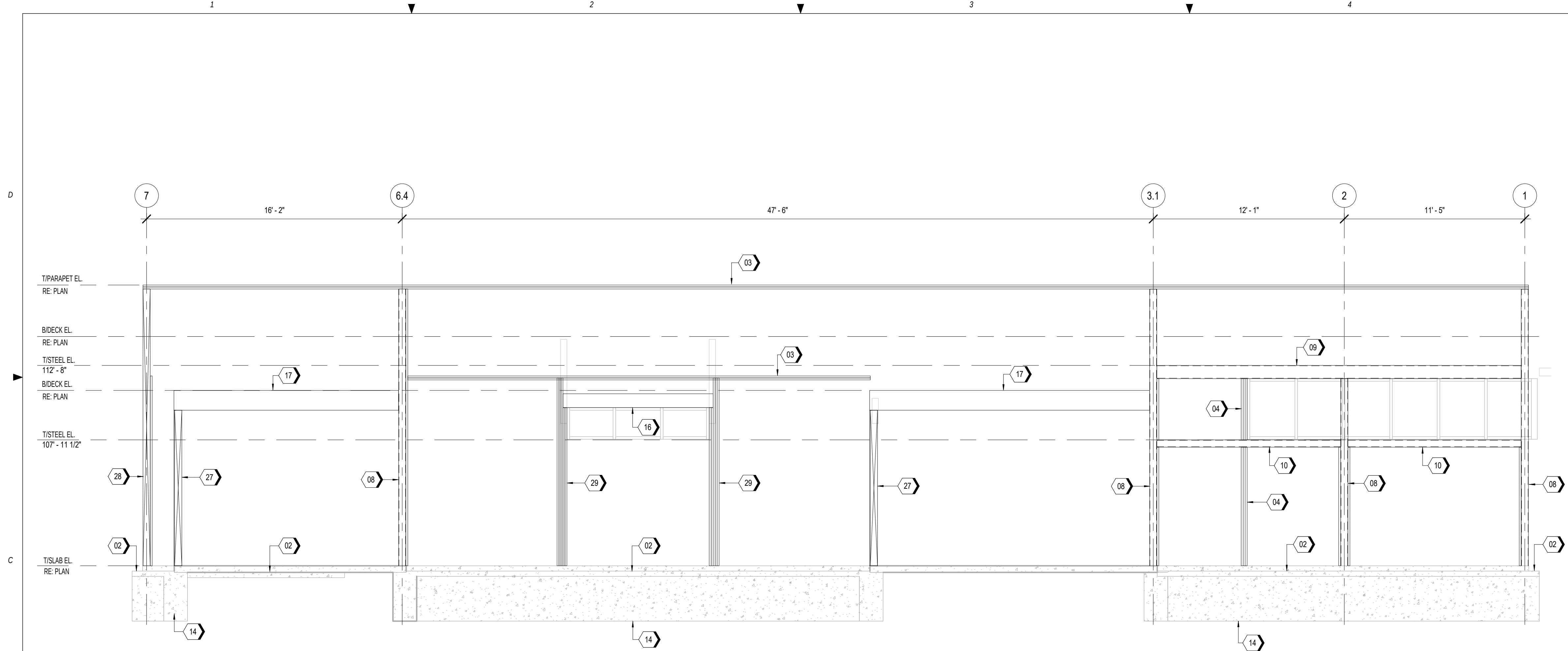
Checked: CEM

Drawing No.:

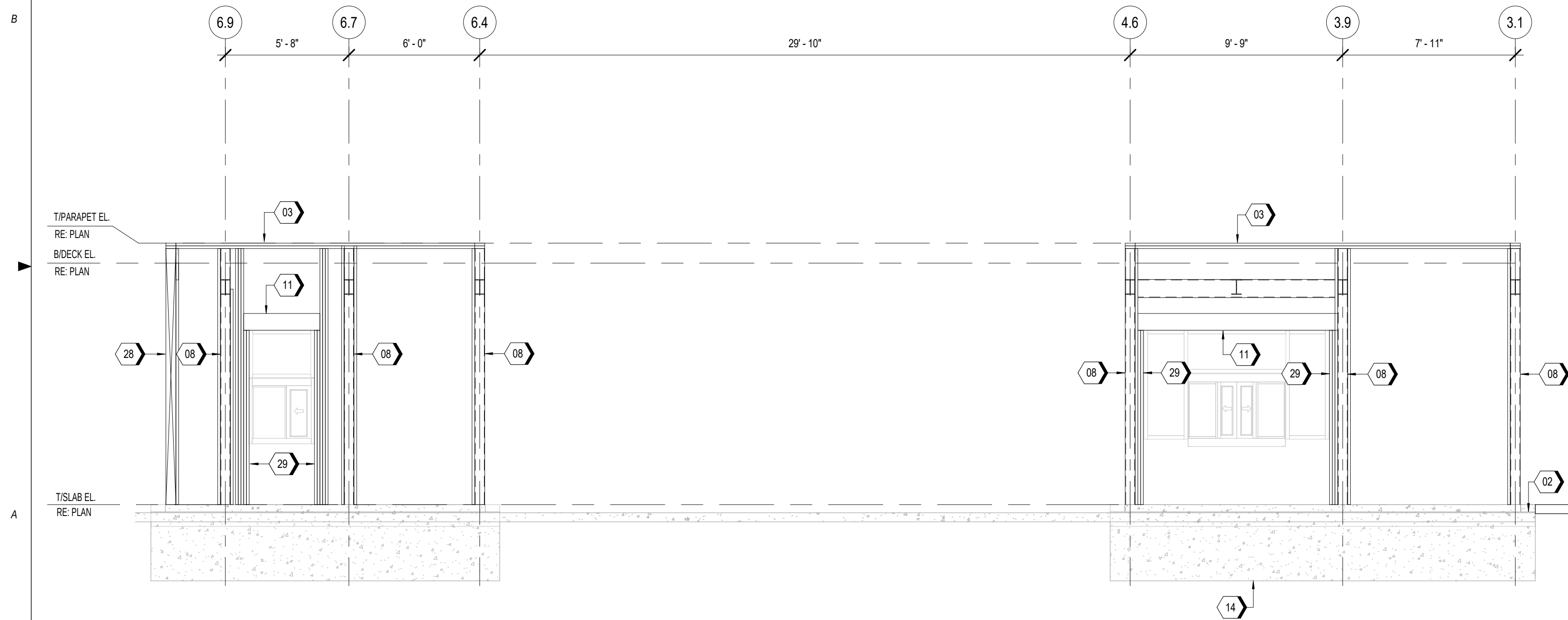
S2.1

C:\Backup\Revit\WB-Lees Summit_MO_V18_STRC_200921_dsharock.rvt

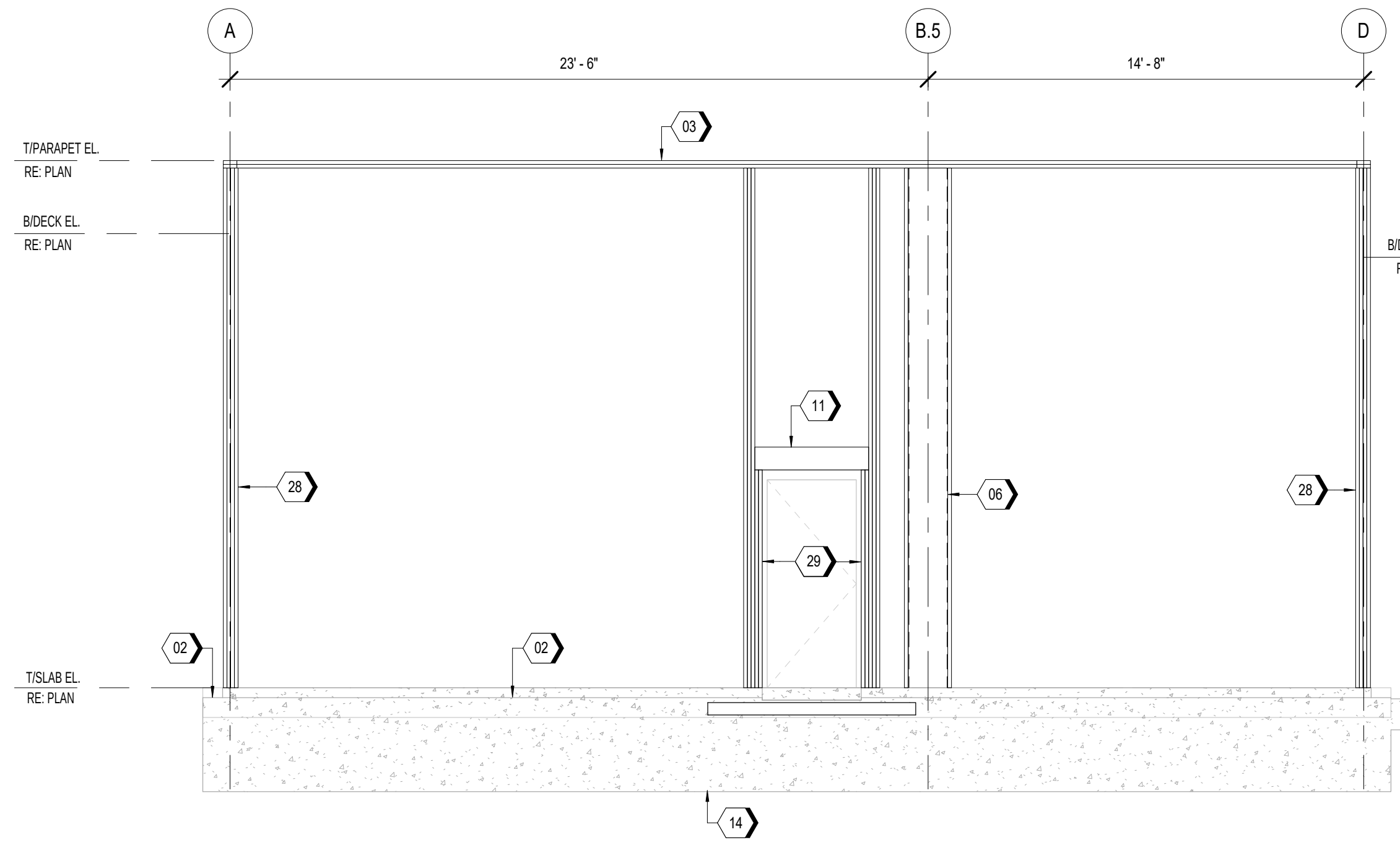
12/22/2020 3:58:32 PM



C1 PLAN NORTH FRAMING ELEVATION
1/4" = 1'-0"



A1 PLAN NORTH FRAMING ELEVATION
1/4" = 1'-0"



A4 PLAN EAST FRAMING ELEVATION
1/4" = 1'-0"

KEYNOTES

- 02 8" WIDE x 4" TALL BRICK LEDGE, TYPICAL AROUND PERIMETER. OMIT AT DOORS.
- 03 DOUBLE 2x6 TOP PLATE.
- 04 (3) 2x6 STUD PACK. RE: A5/S5.2 FOR NAILING DETAILS.
- 06 HSS 16x45/16 COLUMN.
- 08 HSS 5-1/2x5-1/2x5/16 COLUMN.
- 09 HSS 10x45/16 BEAM.
- 10 HSS 5-1/2x5-1/2x5/16 BEAM.
- 11 HDR1. RE: C2/S5.2
- 14 GRADE BEAM. REFER FOUNDATION PLAN FOR DETAILS.
- 16 5 1/2"x10" 24F-V4 GLULAM X-BEAM.
- 17 5-1/2"x15" 24F-V4 GLULAM X-BEAM.
- 27 (4) 2x6 STUD PACK FOR GLULAM SUPPORT.
- 28 TYPICAL CORNER STUD PACK. RE: A4/S5.2 FOR DETAIL.
- 29 HEADER SUPPORT STUDS. RE: C2/S5.2 AND A1/S5.2 FOR FRAMING DETAILS.



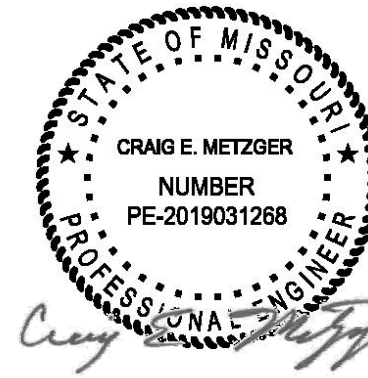
ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229
p 614.898.7100
f 614.898.7570
www.msconsultants.com

WHATABURGER PROTOTYPE 20-M

NE Douglas St & St. Luke's Blvd
Lee's Summit, Missouri



NOTICE: THIS ARCHITECTURAL AND ENGINEERING DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED ONLY PURSUANT TO THE AGREEMENT WITH THE ARCHITECT. NO OTHER USE, DISSEMINATION, OR DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED.



PROFESSIONAL OF RECORD:
Craig E. Metzger No 2019031268
Exp Date: 12/31/21

REV	DESCRIPTION	DATE
	Issued for Bid/Permit	12/21/20

Project No.: 40497-01

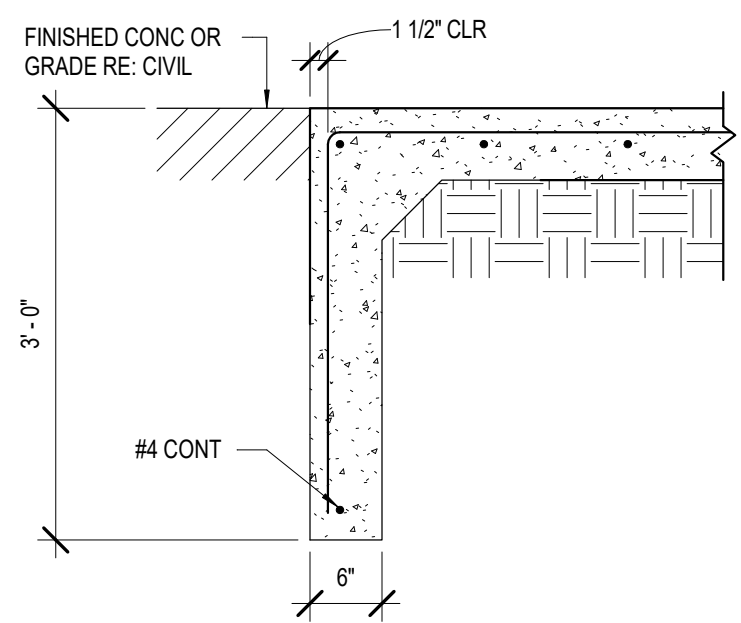
Client Project No.:

Drawing Title:

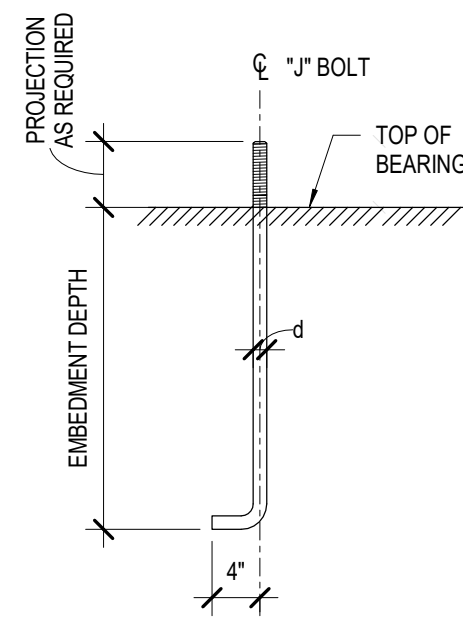
FRAMING ELEVATIONS

Date: 10/30/2020 Phase: BID/PERMIT
Designed: CEM Drawing No.:
Drawn: CLS
Checked: CEM

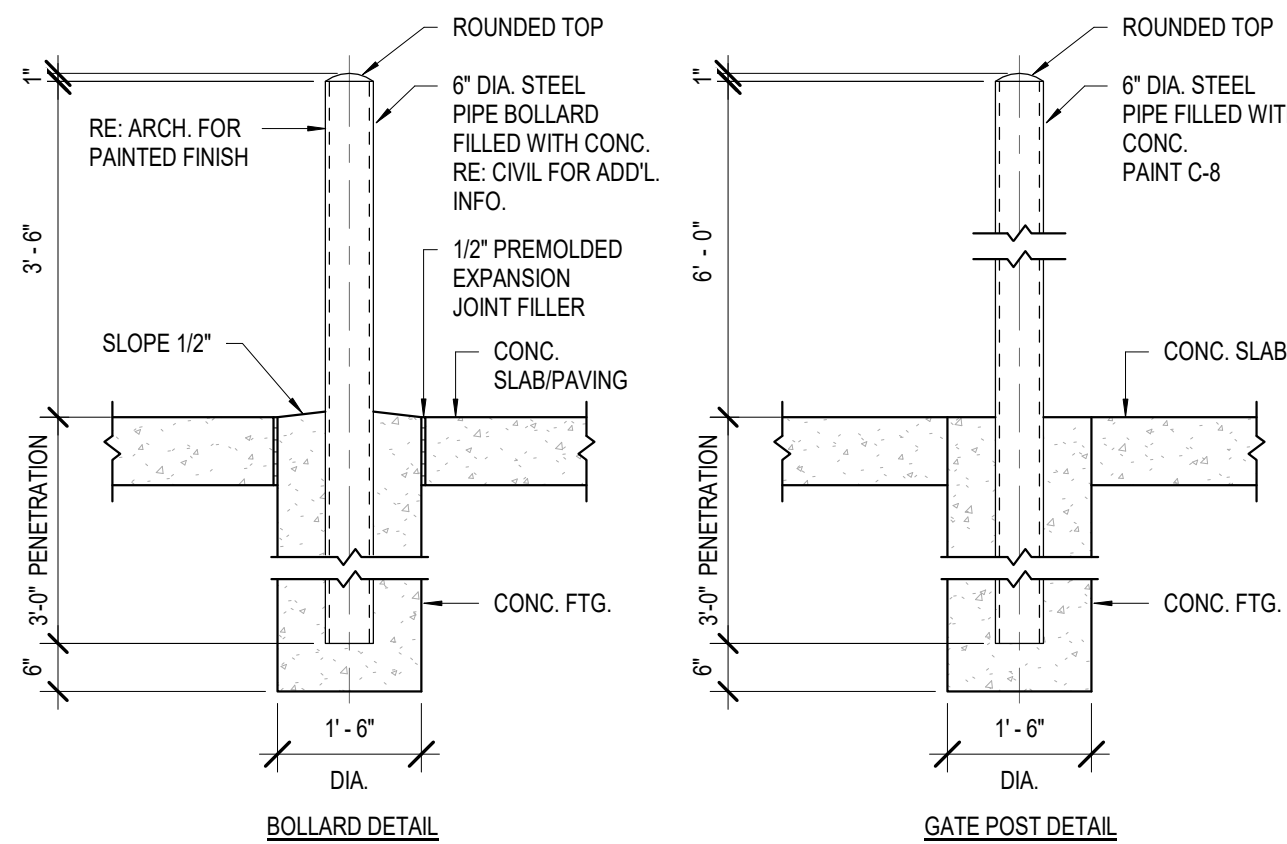
S2.2



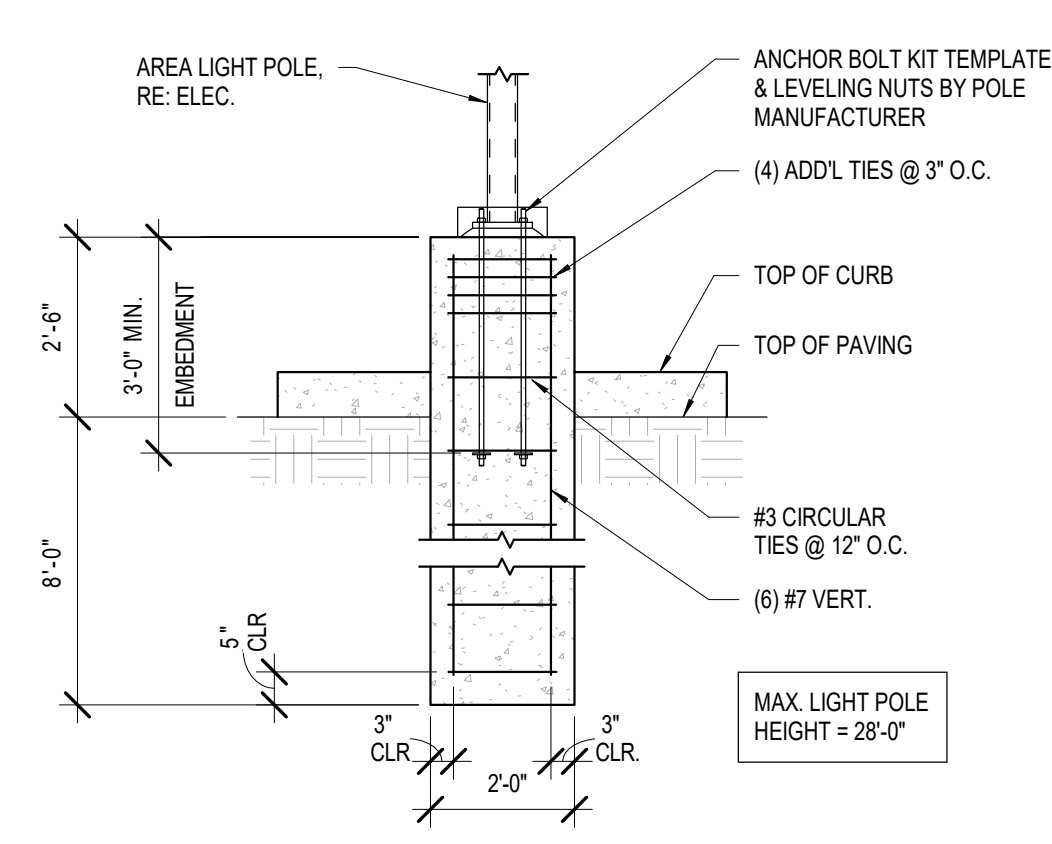
D1 FROST SLAB DETAIL
3/4" = 1'-0"



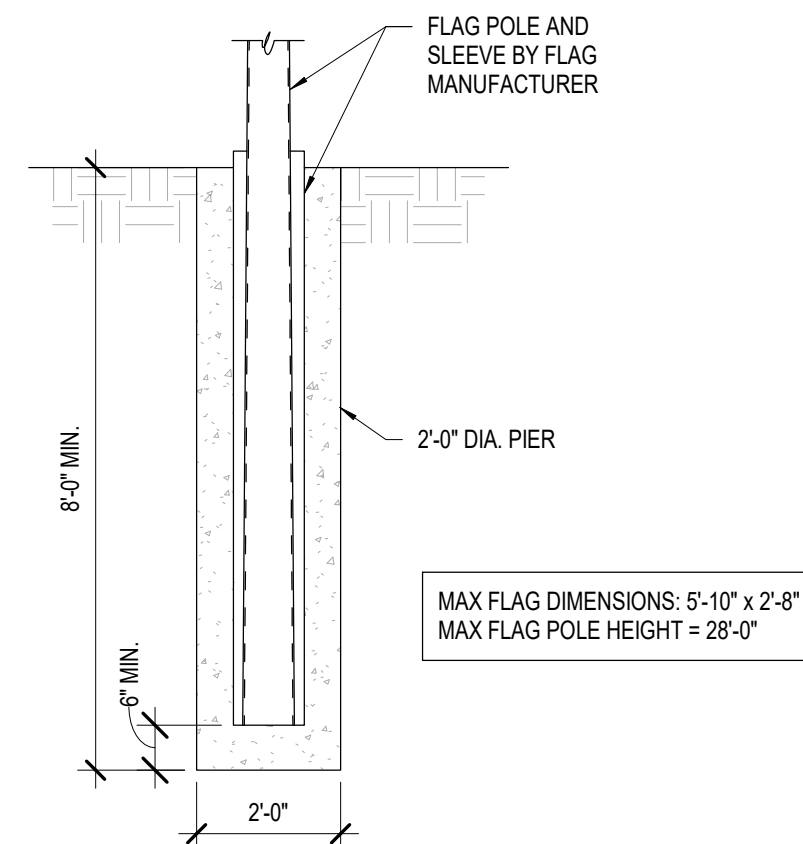
D2 ANCHOR BOLT DETAIL
NTS



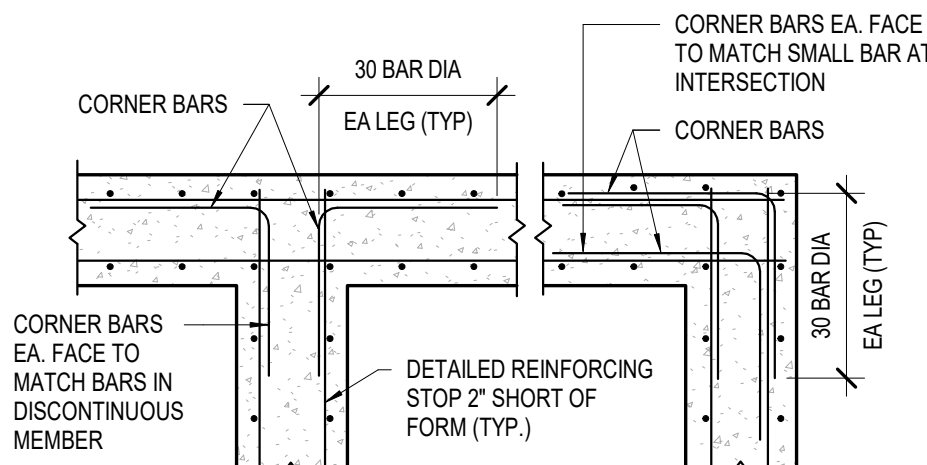
D3 TYP. BOLLARD/GATE POST DETAIL
NTS



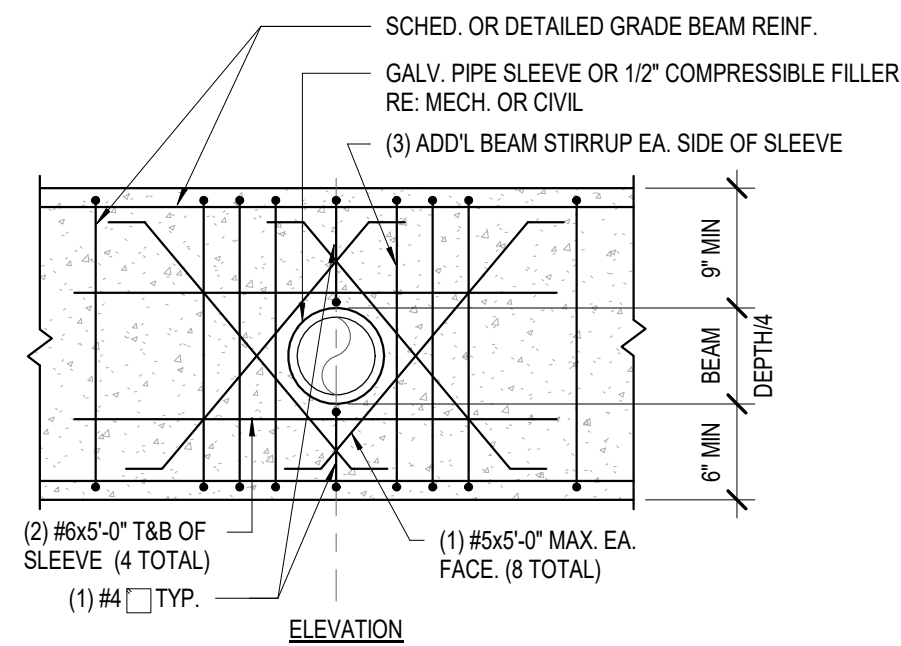
D4 TYP. LIGHT POLE DETAIL
NTS



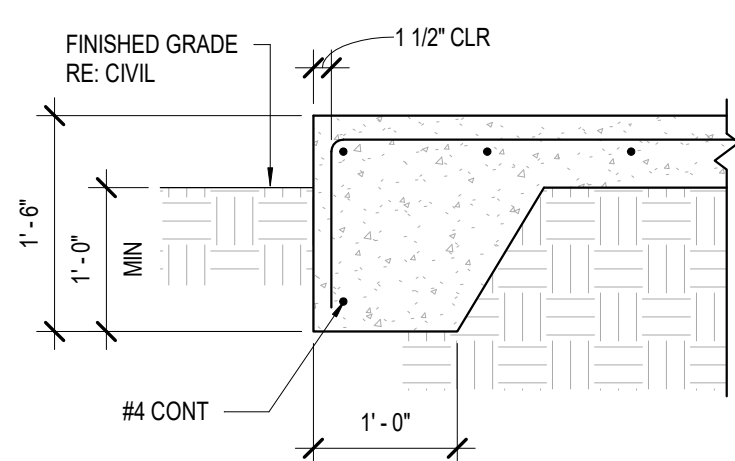
D5 TYP. FLAG POLE DETAIL
NTS



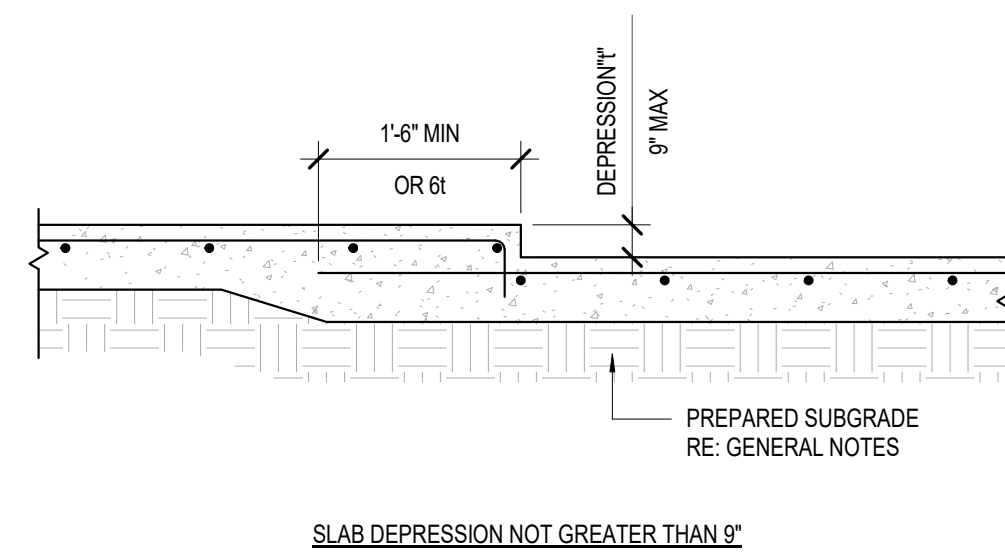
C1 TYPICAL CORNER BAR DETAIL
NTS



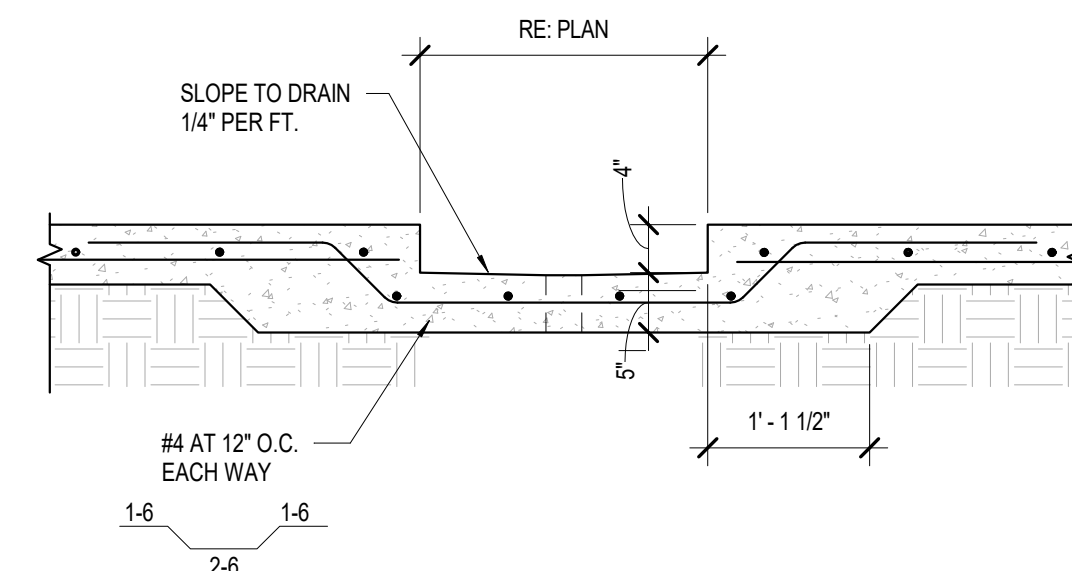
C2 TYPICAL SLEEVE IN GRADE BEAM
NTS



C3 TYP. CONCRETE TURNDOWN
NTS



C4 TYP. SLAB-ON-GRADE DEPRESSION DETAIL
NTS



C5 SINK DETAIL
NTS

"Ld" TENSION DEVELOPMENT LENGTH FOR BEAM, SLAB, AND WALL REBARS (GRADE 60 UNCOATED BARS - NORMAL WEIGHT CONCRETE)										
BAR SIZE	f'c=3000 psi		f'c=4000 psi		f'c=5000 psi		f'c=6000 psi		f'c=8000 psi	
	LdTOP	LdBOT	LdTOP	LdBOT	LdTOP	LdBOT	LdTOP	LdBOT	LdTOP	LdBOT
# 3	1'-9"	1'-4"	1'-6"	1'-2"	1'-5"	1'-1"	1'-3"	1'-0"	1'-1"	1'-0"
# 4	2'-4"	1'-10"	2'-1"	1'-7"	1'-10"	1'-5"	1'-8"	1'-3"	1'-5"	1'-1"
# 5	3'-0"	2'-3"	2'-7"	2'-0"	2'-4"	1'-9"	2'-1"	1'-7"	1'-10"	1'-5"
# 6	3'-7"	2'-9"	3'-1"	2'-4"	2'-9"	2'-1"	2'-6"	1'-11"	2'-2"	1'-8"
# 7	5'-2"	4'-0"	4'-6"	3'-6"	4'-0"	3'-1"	3'-8"	2'-10"	3'-2"	2'-5"
# 8	5'-11"	4'-7"	5'-2"	3'-11"	4'-7"	3'-6"	4'-2"	3'-3"	3'-8"	2'-10"
# 9	6'-8"	5'-2"	5'-9"	4'-5"	5'-2"	4'-0"	4'-9"	4'-1"	3'-2"	3'-2"
# 10	7'-6"	5'-10"	6'-6"	5'-0"	5'-10"	4'-6"	5'-4"	4'-1"	4'-7"	3'-7"
# 11	8'-4"	6'-5"	7'-3"	5'-7"	6'-6"	5'-0"	5'-11"	4'-7"	5'-1"	3'-11"

- NOTES:
1. TOP BARS ARE HORIZONTAL REBARS WITH MORE THAN 12 IN OF FRESH CONCRETE CAST BELOW THE BARS AT THE DEVELOPMENT LENGTH.
 2. "Ld" FOR #3 AND #4 BARS IN SLAB OR WALL ARE CONSERVATIVE AND MAY BE REDUCED TO 0.75 TIMES.
 3. FOR LIGHT-WEIGHT CONCRETE MULTIPLY THE TABULATED VALUES BY 1.3.

TENSION LAP SPLICES CLASS B FOR TOP & BOTTOM BARS (GRADE 60 UNCOATED BARS NORMAL WEIGHT CONCRETE)										
BAR SIZE	fc=3000 psi		fc=4000 psi		fc=5000 psi		fc=6000 psi		fc=8000 psi	
	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
# 3	2'-4"	1'-9"	2'-0"	1'-6"	1'-10"	1'-5"	1'-8"	1'-4"	1'-5"	1'-4"
# 4	3'-1"	2'-4"	2'-8"	2'-1"	2'-5"	1'-10"	2'-2"	1'-8"	1'-11"	1'-5"
# 5	3'-10"	3'-0"	3'-4"	2'-7"	3'-0"	2'-4"	2'-9"	2'-1"	2'-4"	1'-10"
# 6	4'-8"	3'-7"	4'-0"	3'-1"	3'-7"	2'-9"	3'-3"	2'-6"	2'-10"	2'-2"
# 7	6'-9"	5'-2"	5'-10"	4'-6"	5'-3"	4'-0"	4'-9"	3'-8"	4'-2"	3'-2"
# 8	7'-9"	5'-11"	6'-8"	5'-2"	6'-0"	4'-7"	5'-5"	4'-2"	4'-9"	3'-8"
# 9	8'-8"	6'-8"	7'-6"	5'-9"	6'-9"	5'-2"	6'-2"	4'-9"	5'-4"	4'-1"
# 10	9'-10"	7'-6"	8'-6"	6'-6"	7'-7"	5'-10"	6'-11"	5'-4"	6'-0"	4'-7"
# 11	10'-11"	8'-4"	9'-5"	7'-3"	8'-5"	6'-6"	7'-8"	5'-11"	6'-8"	5'-1"

- NOTE:
1. FOR CLASS 'A' SPLICE (PERMITTED ONLY WHEN NOT MORE THAN HALF THE BARS SPLICED AND SPLICES STAGGERED BY THE DISTANCE OF SPLICE LENGTH), USE SAME AS "Ld" = TENSION DEVELOPMENT LENGTH TABLE.

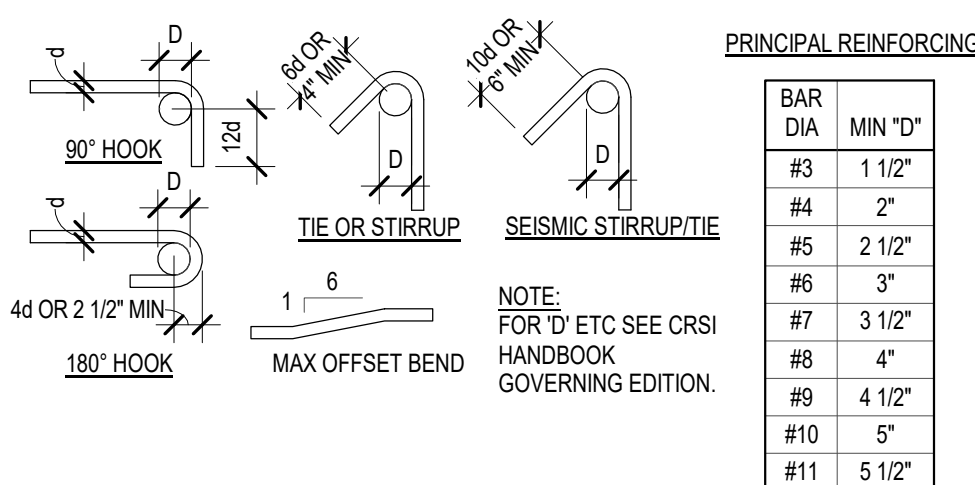
"L_{dh}" TENSION DEVELOPMENT (EMBEDMENT) LENGTH FOR STANDARD END HOOKS

STANDARD 90° HOOK SIDE COVER ≥ 2 1/2"

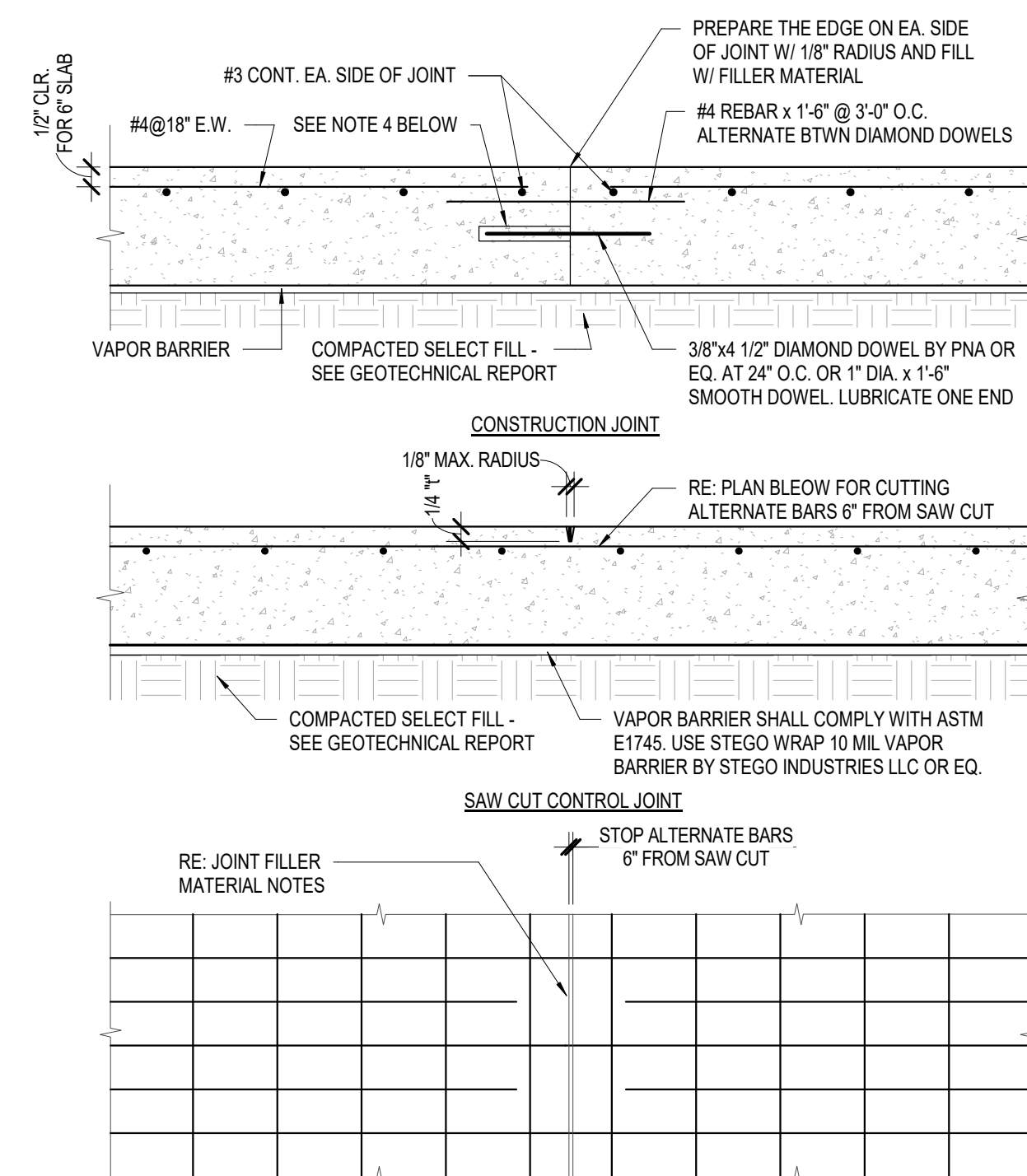
STANDARD 180° HOOK SIDE COVER ≥ 2 1/2"

BAR SIZE	f _c = 3000 psi		f _c = 4000 psi		f _c = 5000 psi		f _c = 6000 psi		f _c = 7000 psi		f _c = 8000 psi	
	L _{dh}	0.7L _{hb}	L _{dh}	0.7L _{hb}	L _{dh}	0.7L _{hb}	L _{dh}	0.7L _{hb}	L _{dh}	0.7L _{hb}	L _{dh}	0.7L _{hb}
# 3	10"	7"	9"	6"	8"	6"	7"	6"	7"	6"	6"	6"
# 4	1'-2"	10"	1'-0"	8"	11"	7"	10"	7"	9"	6"	8"	6"
# 5	1'-5"	1'-0"	1'-3"	10"	1'-1"	9"	1'-0"	8"	11"	8"	10"	7"
# 6	1'-9"	1'-2"	1'-6"	1'-0"	1'-4"	11"	1'-3"	10"	1'-1"	9"	1'-1"	9"
# 7	2'-0"	1'-5"	1'-9"	1'-3"	1'-7"	1'-1"	1'-5"	1'-0"	1'-4"	11"	1'-3"	10"
# 8	2'-3"	1'-7"	2'-0"	1'-5"	1'-9"	1'-3"	1'-7"	1'-2"	1'-6"	1'-1"	1'-5"	1'-0"
# 9	2'-7"	1'-10"	2'-3"	1'-7"	2'-0"	1'-5"	1'-10"	1'-3"	1'-8"	1'-2"	1'-7"	1'-1"
# 10	2'-11"	2'-0"	2'-6"	1'-9"	2'-3"	1'-7"	2'-1"	1'-5"	1'-11"	1'-4"	1'-9"	1'-3"
# 11	3'-3"	2'-3"	2'-9"	1'-11"	2'-6"	1'-9"	2'-3"	1'-7"	2'-1"	1'-6"	2'-0"	1'-5"

- NOTES:
1. Ldh = DEVELOPMENT LENGTH OF STANDARD HOOKS IN TENSION.
 2. Ldh = Lhb UNLESS CONDITIONS OF ITEMS 3 ARE SATISFIED.
 3. Ldh = 0.7 Lhb FOR #11 BARS AND SMALLER WHEN SIDE COVER (NORMAL TO PLAN OF HOOK) IS NOT LESS THAN 2 1/2" AND FOR 90° HOOKS. COVER ON BAR EXTENSION BEYOND HOOK IS NOT LESS THAN 2 INCHES.
 4. HOOKS ARE NOT CONSIDERED EFFECTIVE FOR DEVELOPING BARS IN COMPRESSION.
 5. Ldh SHALL BE MULTIPLIED BY 1.2 FOR EPOXY-COATED HOOKED BARS.



- NOTES:
1. BENDS SHALL BE MADE COLD.
 2. #14 AND #18 BARS SHALL BE BEND-TESTED AND APPROVED PRIOR TO BENDING.



A4 TYPICAL CONSTRUCTION / CONTROL JOINT SLAB-ON-GRADE
NTS



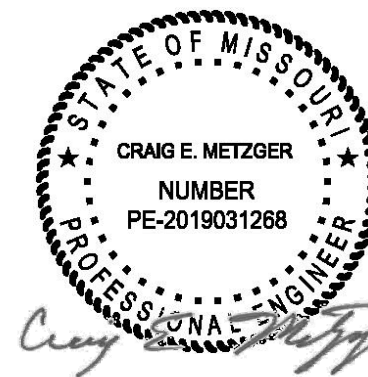
ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229
p 614.898.7100
f 614.898.7570
www.msconsultants.com

WHATABURGER
PROTOTYPE 20-M

NE Douglas St & St. Luke's Blvd
Lee's Summit, Missouri



NOTICE: THIS ARCHITECTURAL AND ENGINEERING DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED ONLY PURSUANT TO THE AGREEMENT WITH THE ARCHITECT. NO OTHER USE, DISSEMINATION, OR DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED.



PROFESSIONAL OF RECORD:
Craig E. Metzger No 2019031268
Exp Date: 12/31/21

REV	DESCRIPTION	DATE
1	Issued for Bid/Permit	12/21/20

Project No.: 40497-01

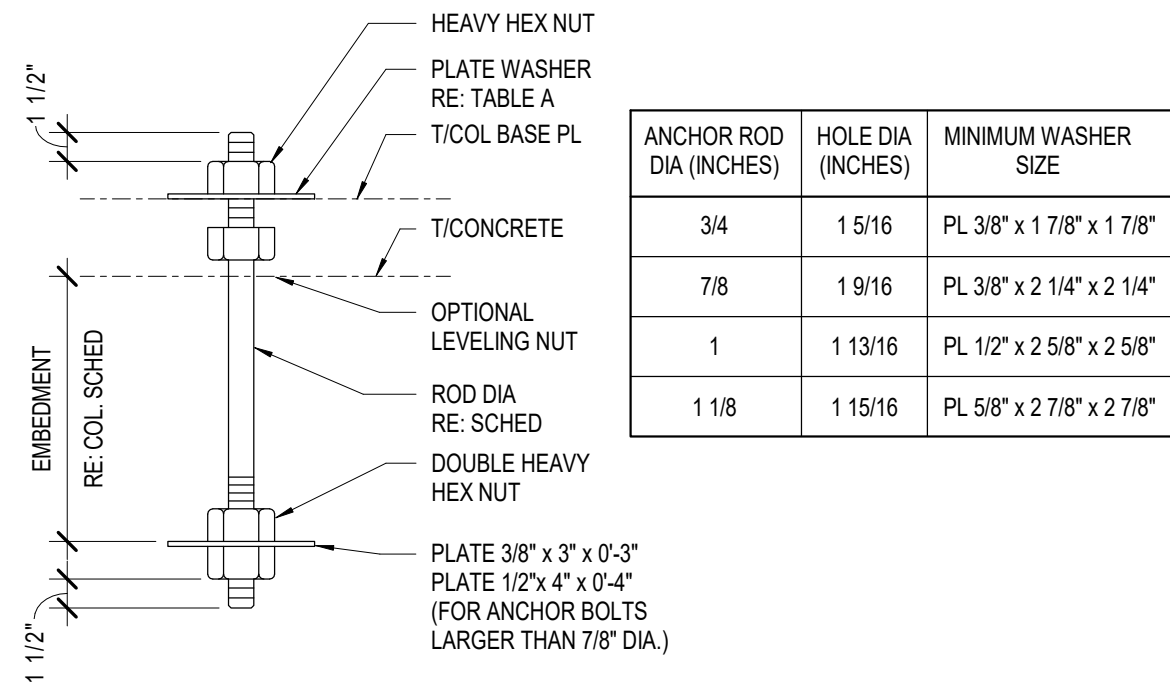
Client Project No.:

Drawing Title:

TYPICAL DETAILS

Date: 10/30/2020 Phase: BID/PERMIT
Designed: CEM
Drawn: CLS
Checked: CEM
Drawing No.:
S5.1

C:\Backup\Revit\WB-Lees Summit_MO_V16_STRC_200921_dshrock.rvt 12/22/2020 3:58:36 PM

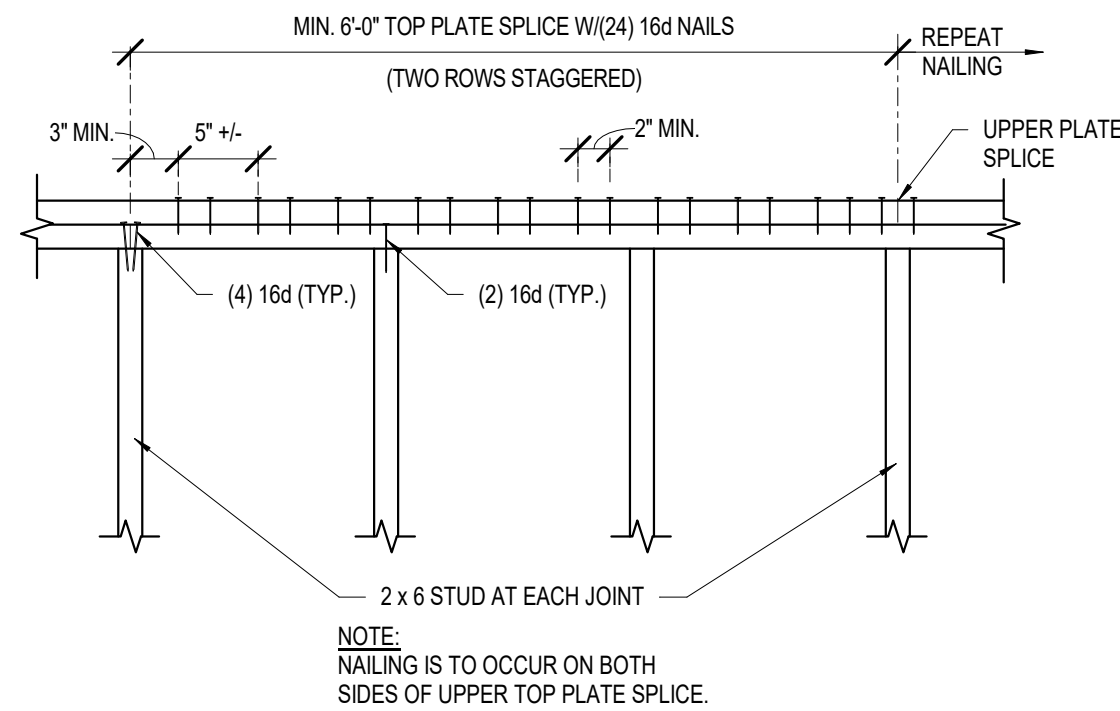


D1 TYP. ANCHOR ROD DETAIL
NTS

COLUMN SIZE	BASE PLATE t x L x W	ANCHOR RODS	ANCHOR ROD EMBEDMENT DEPTH
HSS16x4	1-1/2" x 12" x 1'-11"	(6) 1-1/8" DIA.	20"
HSS8x4	1" x 13" x 1'-3"	(4) 1" DIA.	20"
HSS6x6	1" x 13" x 1'-1"	(4) 1" DIA.	20"
HSS6x4	1" x 13" x 1'-1"	(4) 1" DIA.	20"
HSS5-1/2x5-1/2	1" x 12" x 1'-0"	(4) 1" DIA.	20"

REFER TO TYPICAL ANCHOR ROD DETAIL FOR ADD'L INFO.

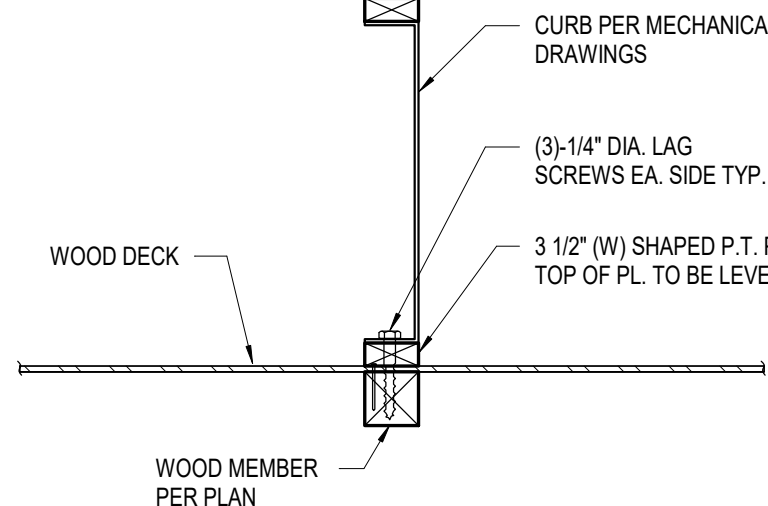
D2 BASE PLATE SCHEDULE
3/4" = 1'-0"



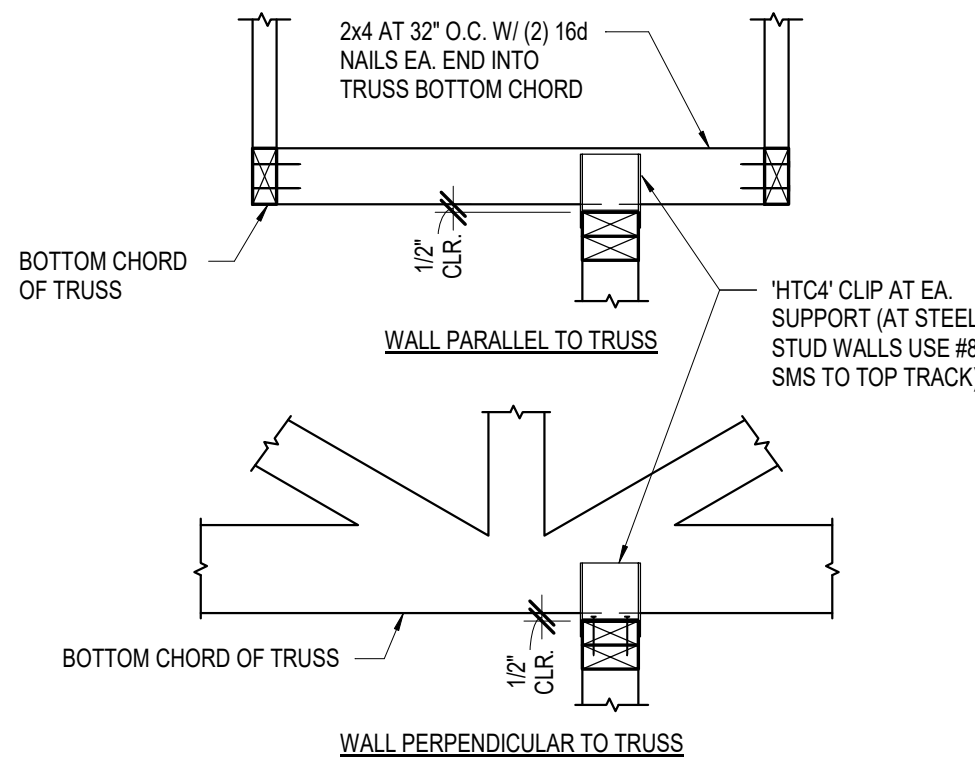
C1 TOP PLATE SPLICE
NTS

WOOD HEADER SCHEDULE			
MARK	SIZE	NO. OF JACK STUDS EACH SIDE	NO. OF KING STUDS EACH SIDE
HDR1	(3) 2x12	(2) 2x6	(3) 2x6
HDR2	(3) 2x10	(2) 2x6	(3) 2x6

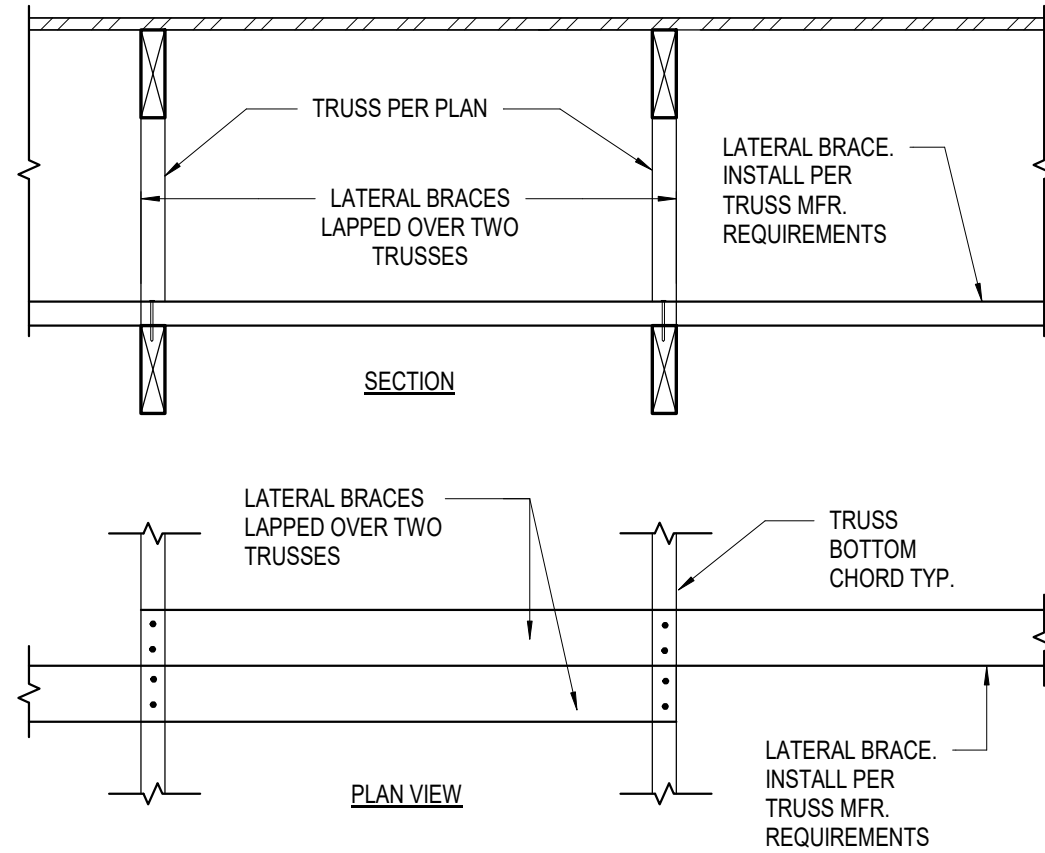
C2 WOOD HEADER SCHEDULE
NTS



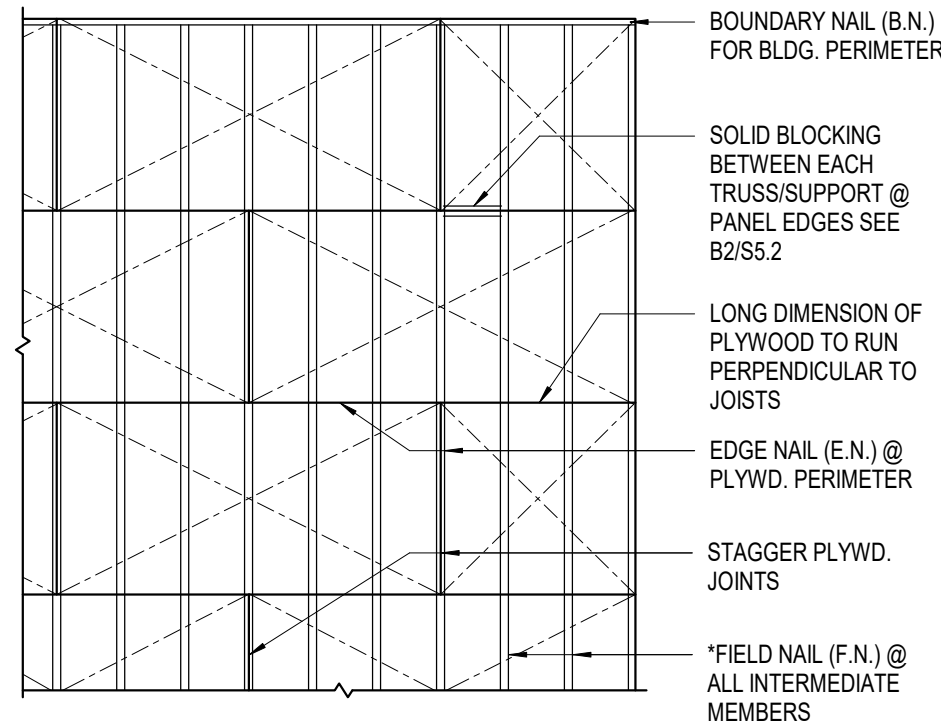
C3 MECHANICAL CURB ATTACHMENT
NTS



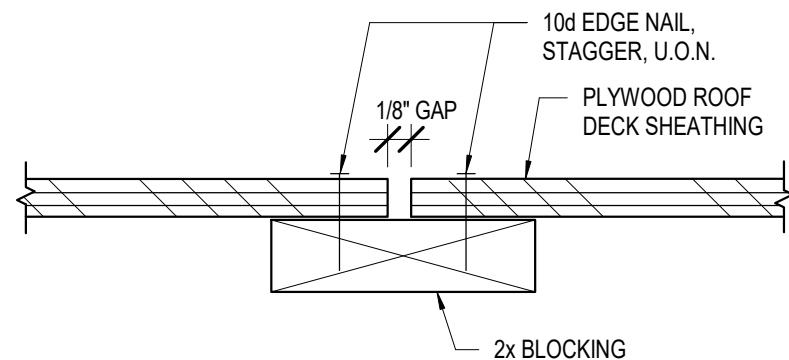
C4 INTERIOR NON-BEARING
WALL SUPPORT
NTS



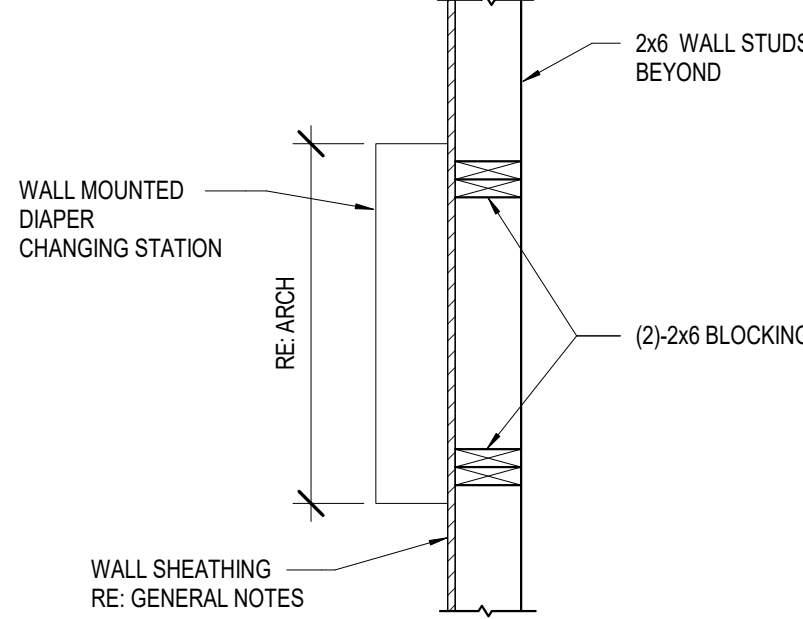
C5 BOTTOM CHORD TRUSS BRACING
NTS



B1 ROOF NAILING PLAN
NTS

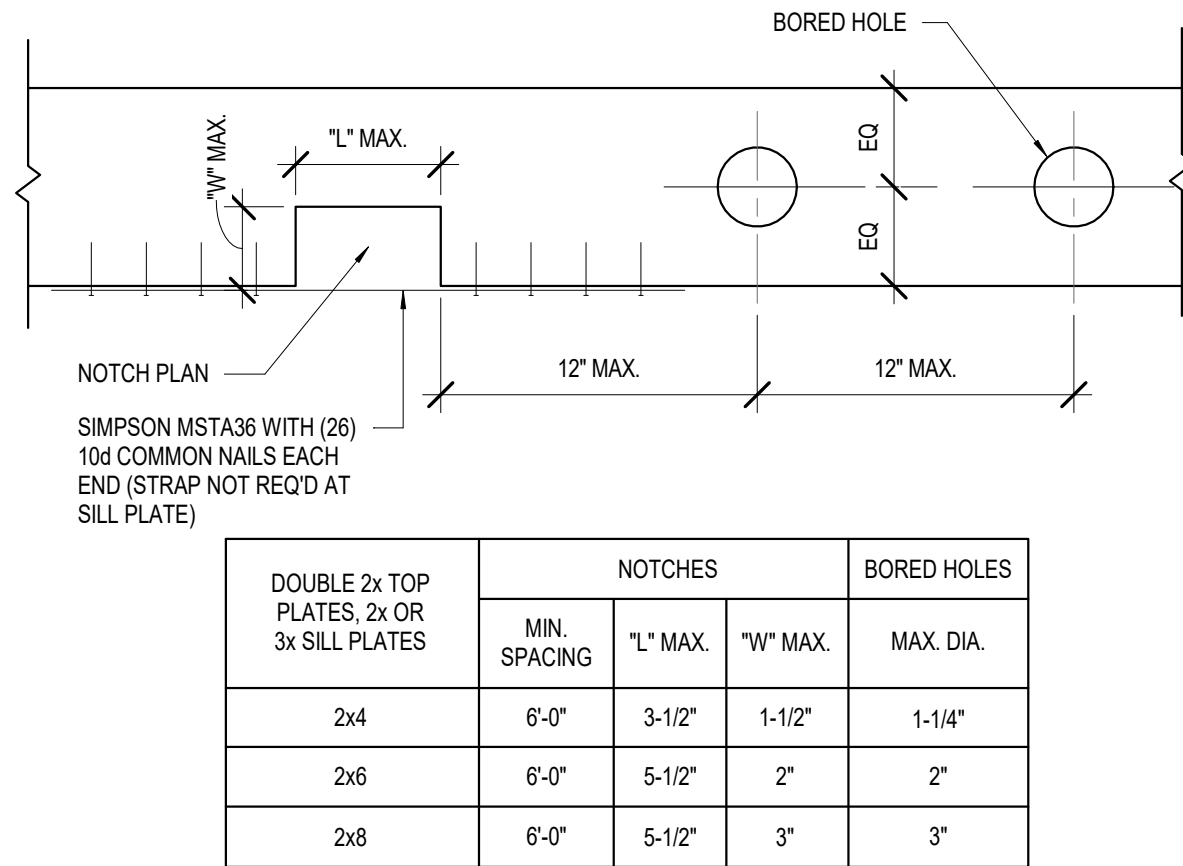


B2 PLYWOOD EDGE BLOCKING
NTS

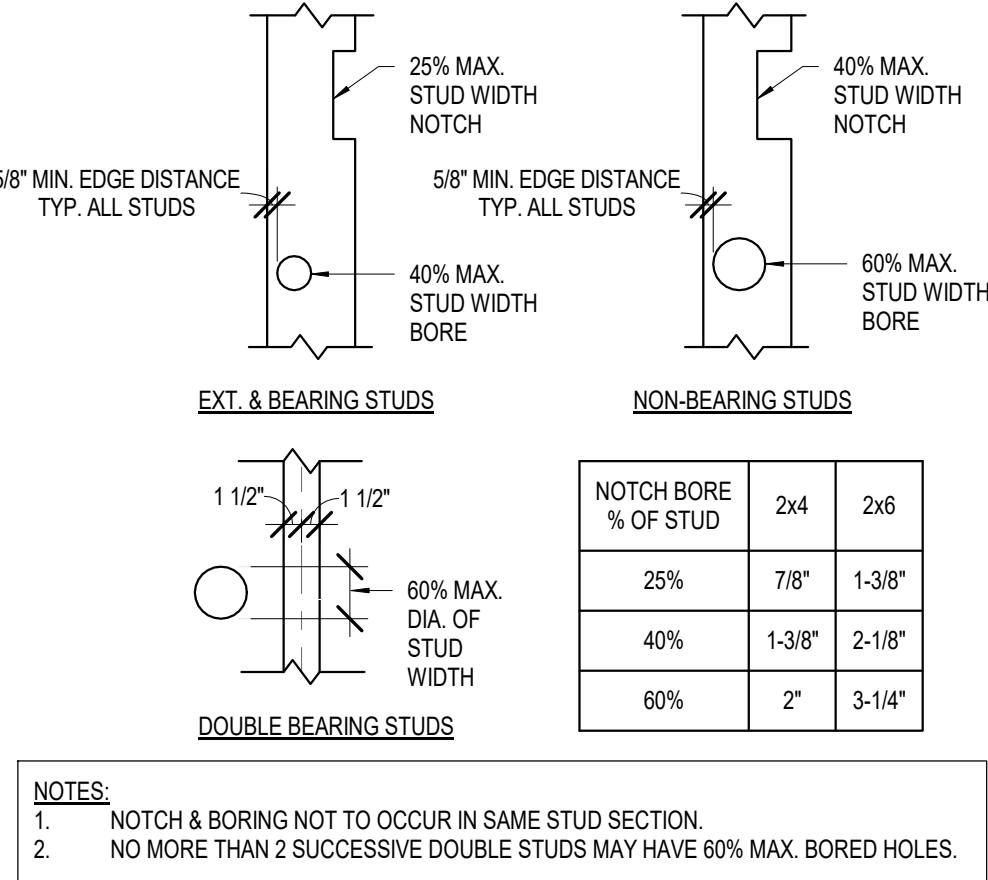


NOTE: DIAPER CHANGING STATION TO BE ATTACHED TO 2x6 WALL STUDS.

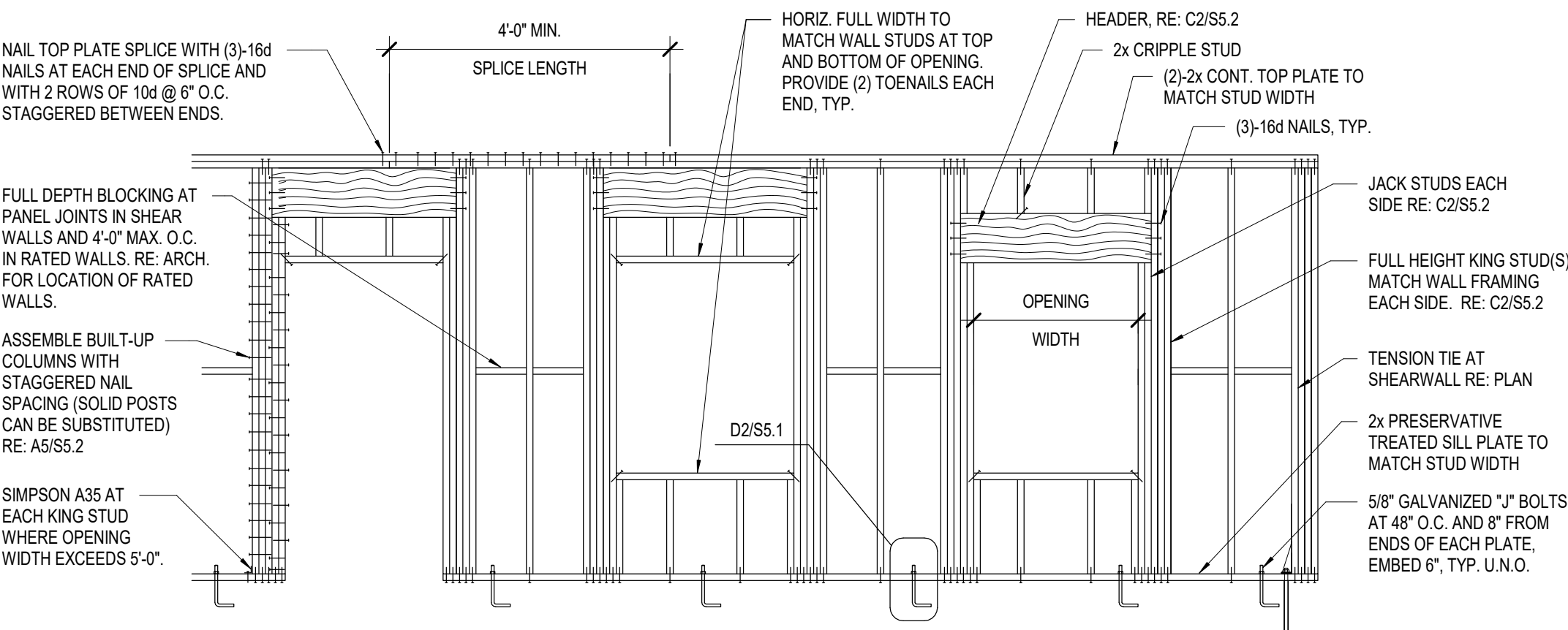
B3 DIAPER CHANGING STATION DETAIL
NTS



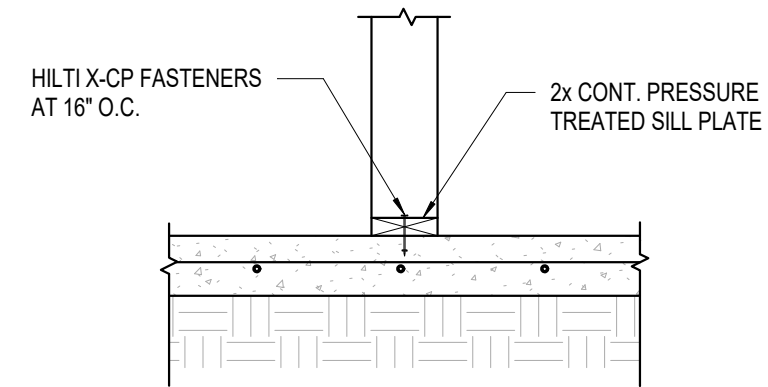
B4 ALLOW. PL. BORING/NOTCHING
NTS



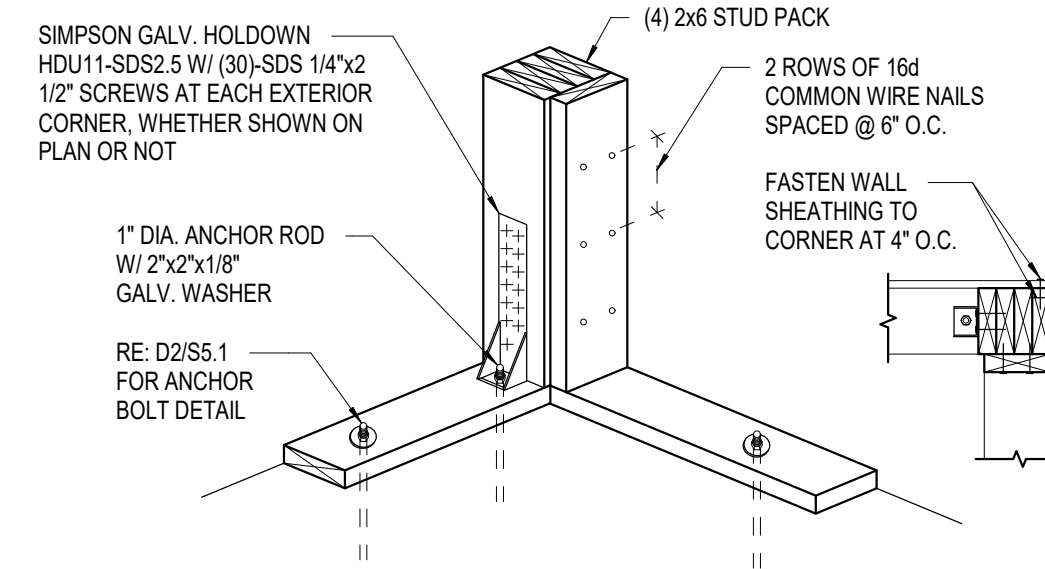
B5 ALLOW. STUD BORING/NOTCHING
NTS



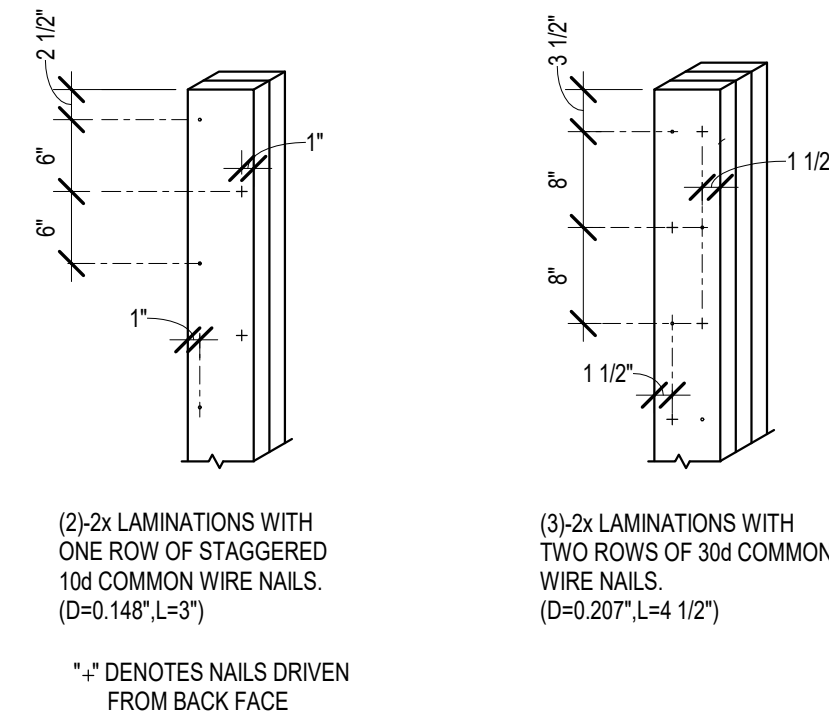
A1 TYPICAL WALL FRAMING
NTS



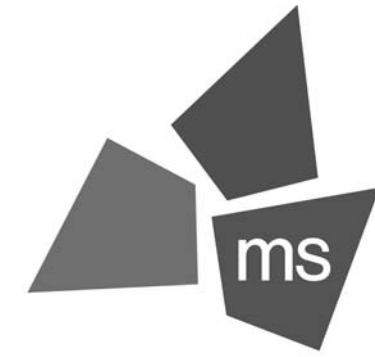
A3 TYP. INT. STUD WALL DETAIL
NTS



A4 TYP. CORNER STUD DETAIL
NTS



A5 TYP. BUILT-UP COLUMN DETAIL
NTS



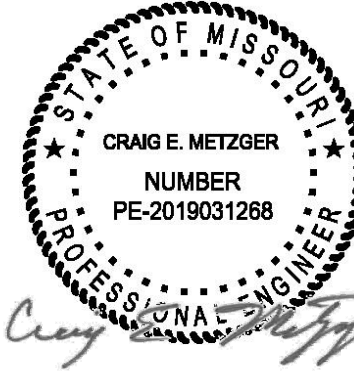
ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229
p 614.898.7100
f 614.898.7570
www.msconsultants.com

WHATABURGER
PROTOTYPE 20-M

NE Douglas St & St. Luke's Blvd
Lee's Summit, Missouri



NOTICE: THIS ARCHITECTURAL AND ENGINEERING
DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED
ONLY PURSUANT TO THE AGREEMENT WITH THE
ARCHITECT. NO OTHER USE, DISSEMINATION, OR
DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN
CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS
OF COPYRIGHT AND OTHERWISE ARE HEREBY
SPECIFICALLY RESERVED.



PROFESSIONAL OF RECORD:
Craig E. Metzger No 2019031268
Exp Date: 12/31/21

REV	DESCRIPTION	DATE
	Issued for Bid/Permit	12/21/20

Project No.: 40497-01

Client Project No.:

Drawing Title:

TYPICAL DETAILS

Date: 10/30/2020 Phase: BID/PERMIT

Designed: CEM

Drawn: CLS

Checked: CEM

Drawing No.:
S5.2



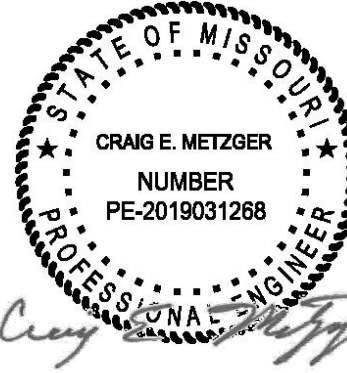
ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229
p 614.898.7100
f 614.898.7570
www.msconsultants.com

WHATABURGER PROTOTYPE 20-M

NE Douglas St & St. Luke's Blvd
Lee's Summit, Missouri



NOTICE: THIS ARCHITECTURAL AND ENGINEERING DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED ONLY PURSUANT TO THE AGREEMENT WITH THE ARCHITECT. NO OTHER USE, DISSEMINATION, OR DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED.



PROFESSIONAL OF RECORD:
Craig E. Metzger No 2019031268
Exp Date: 12/31/21

REV	DESCRIPTION	DATE
	Issued for Bid/Permit	12/21/20

Project No.: 40497-01

Client Project No.:

Drawing Title:

FOUNDATION DETAILS

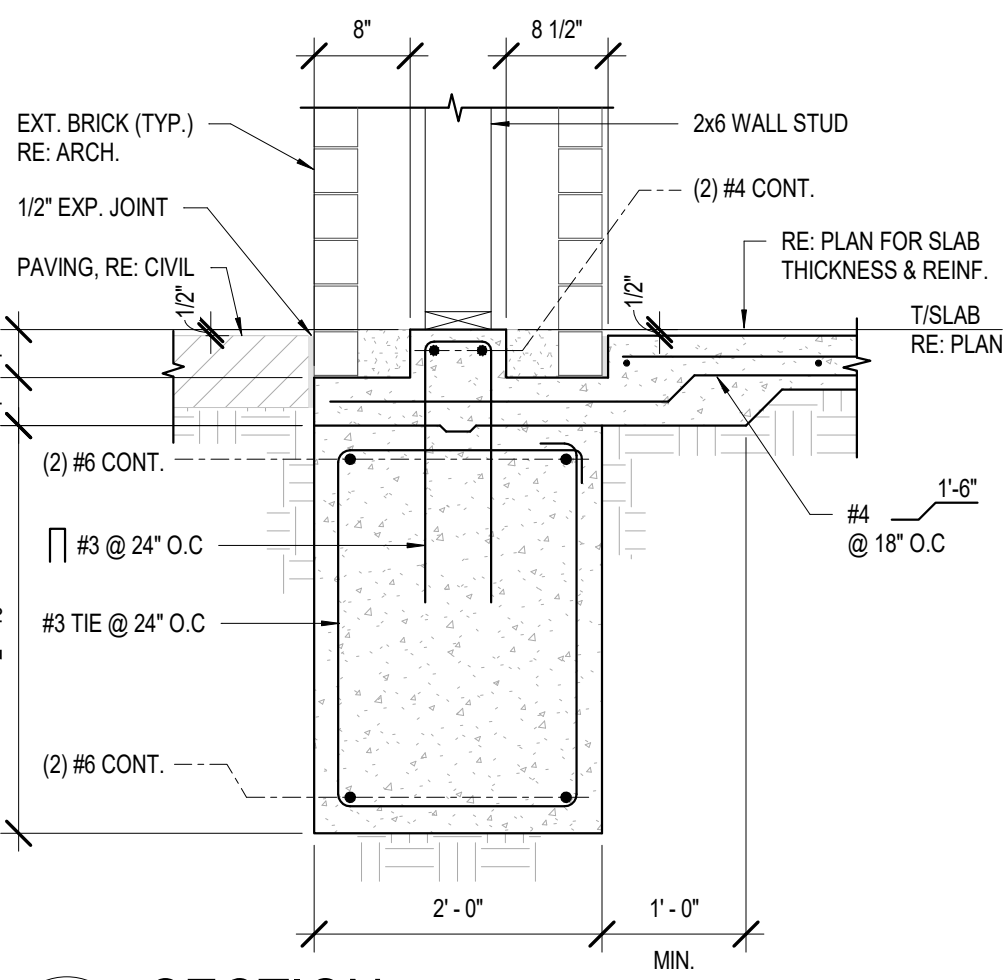
Date: 10/30/2020 Phase: BID/PERMIT

Designed: CEM

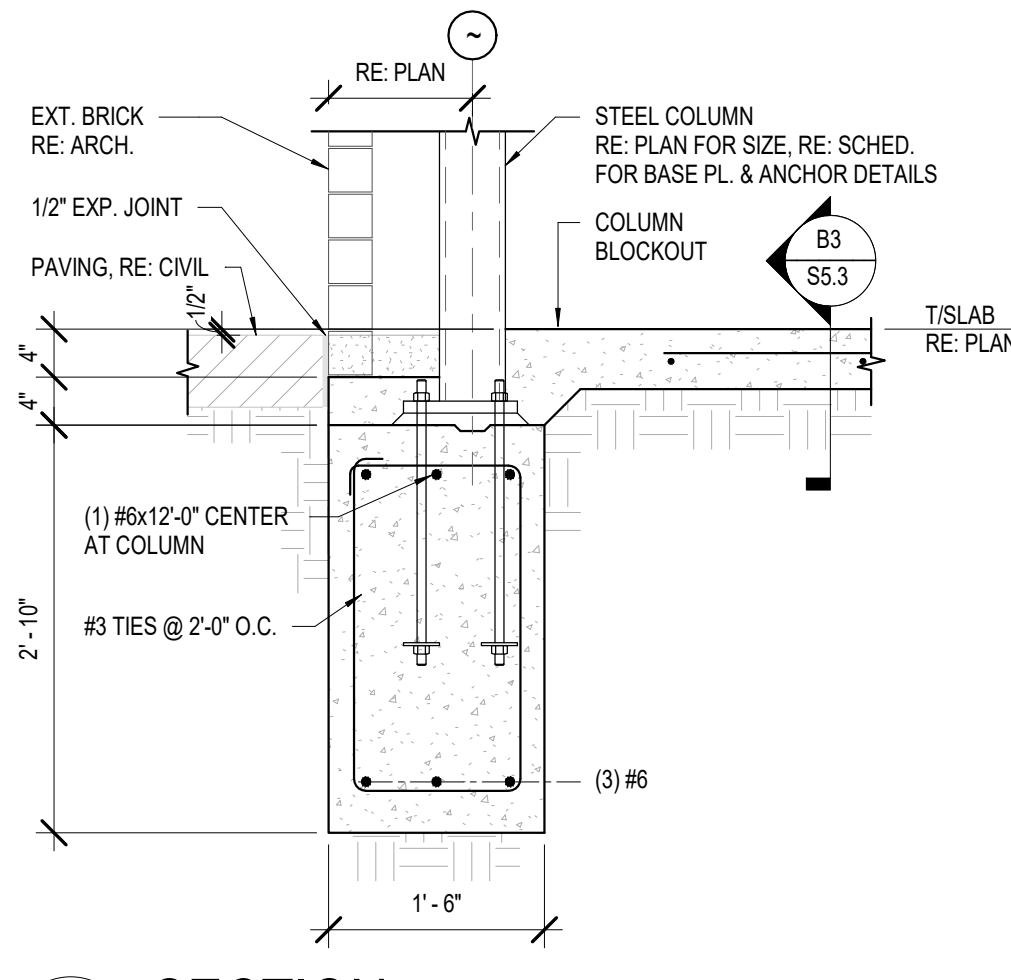
Drawn: CLS

Checked: CEM

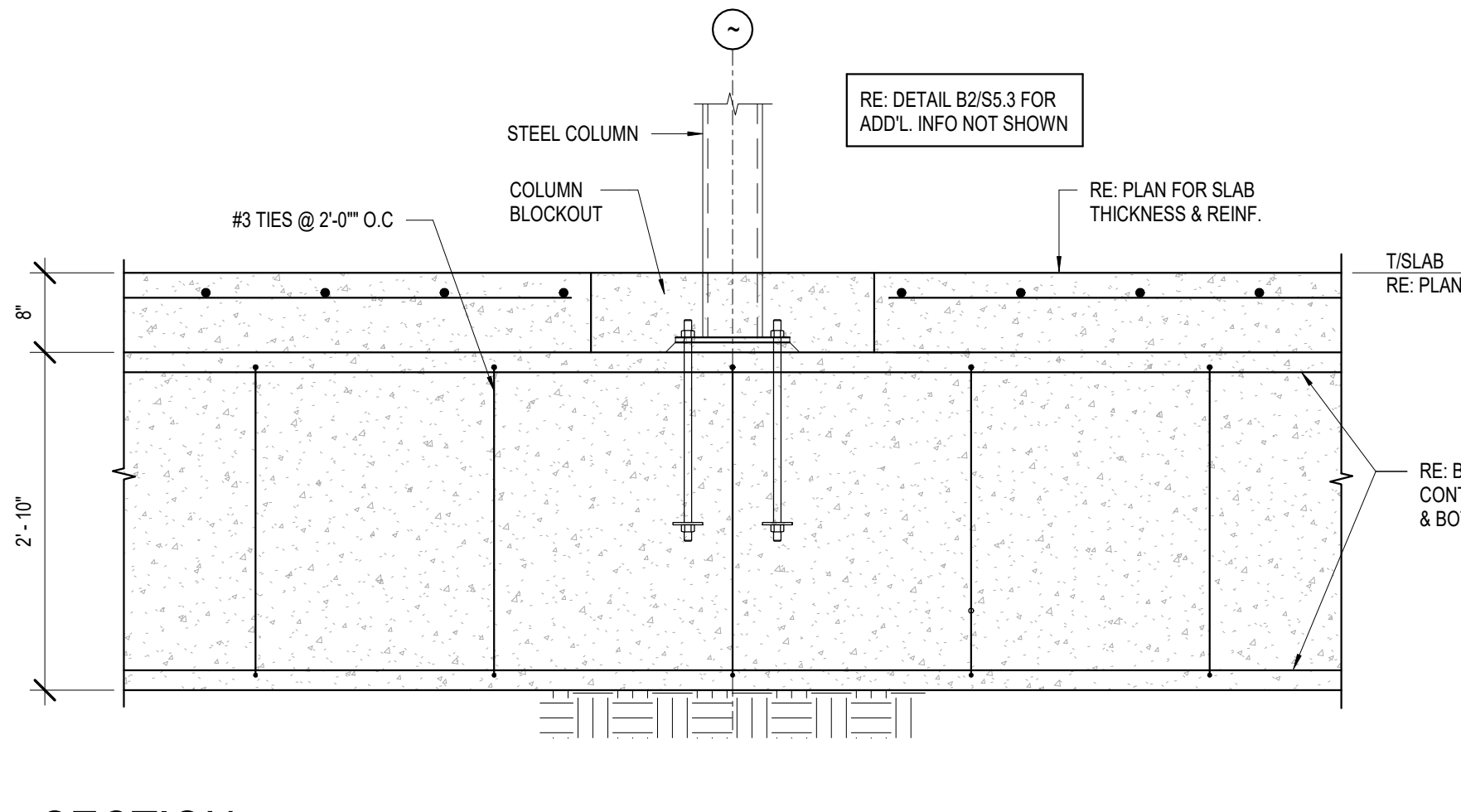
S5.3



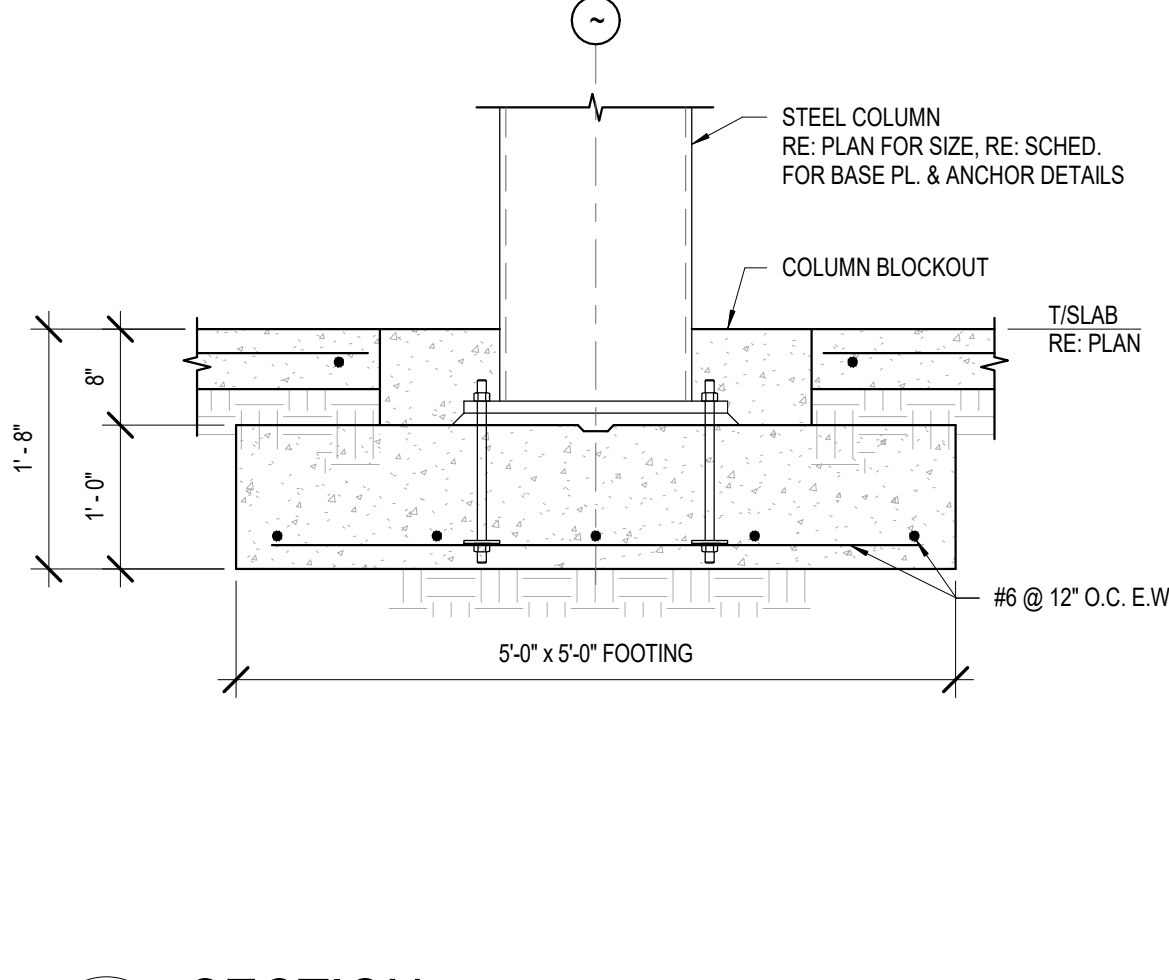
B1 SECTION
3/4" = 1'-0"



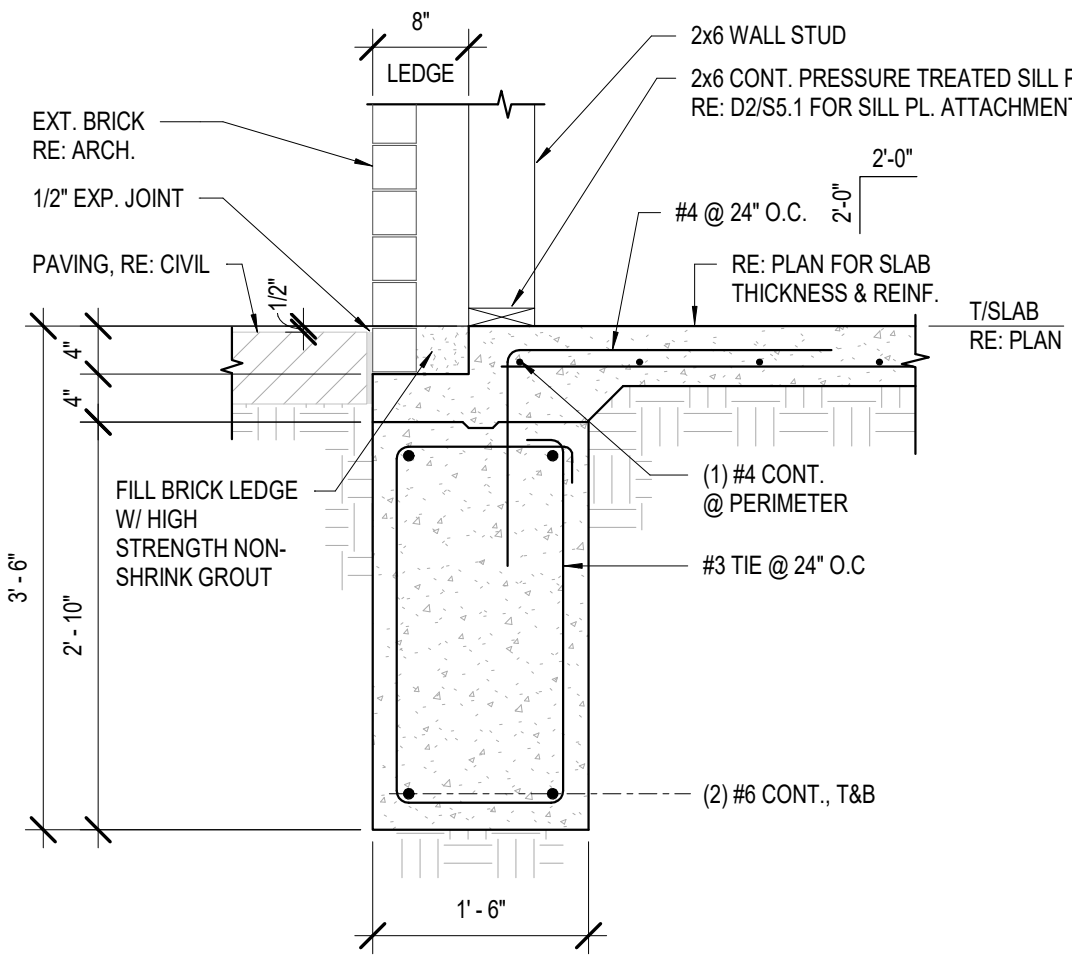
B2 SECTION
3/4" = 1'-0"



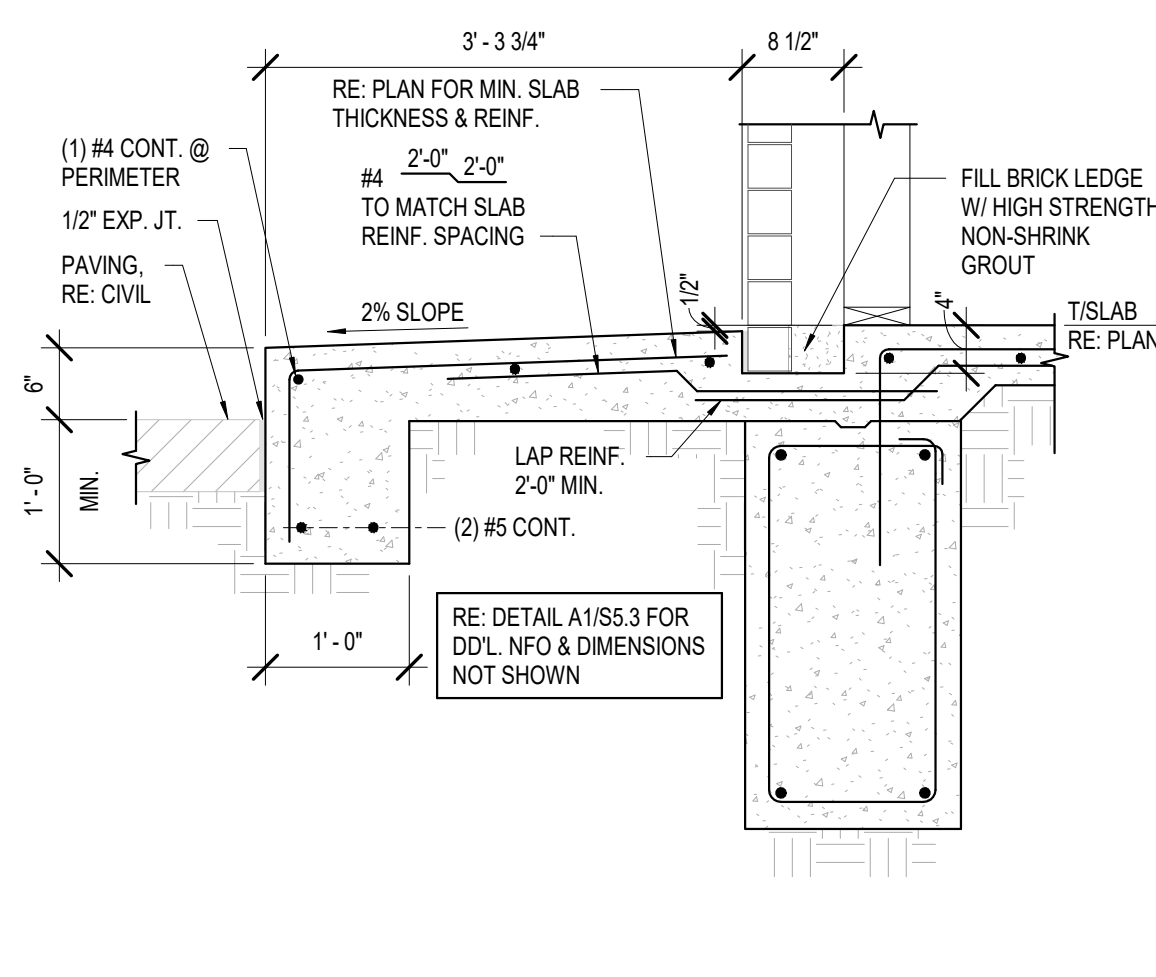
B3 SECTION
3/4" = 1'-0"



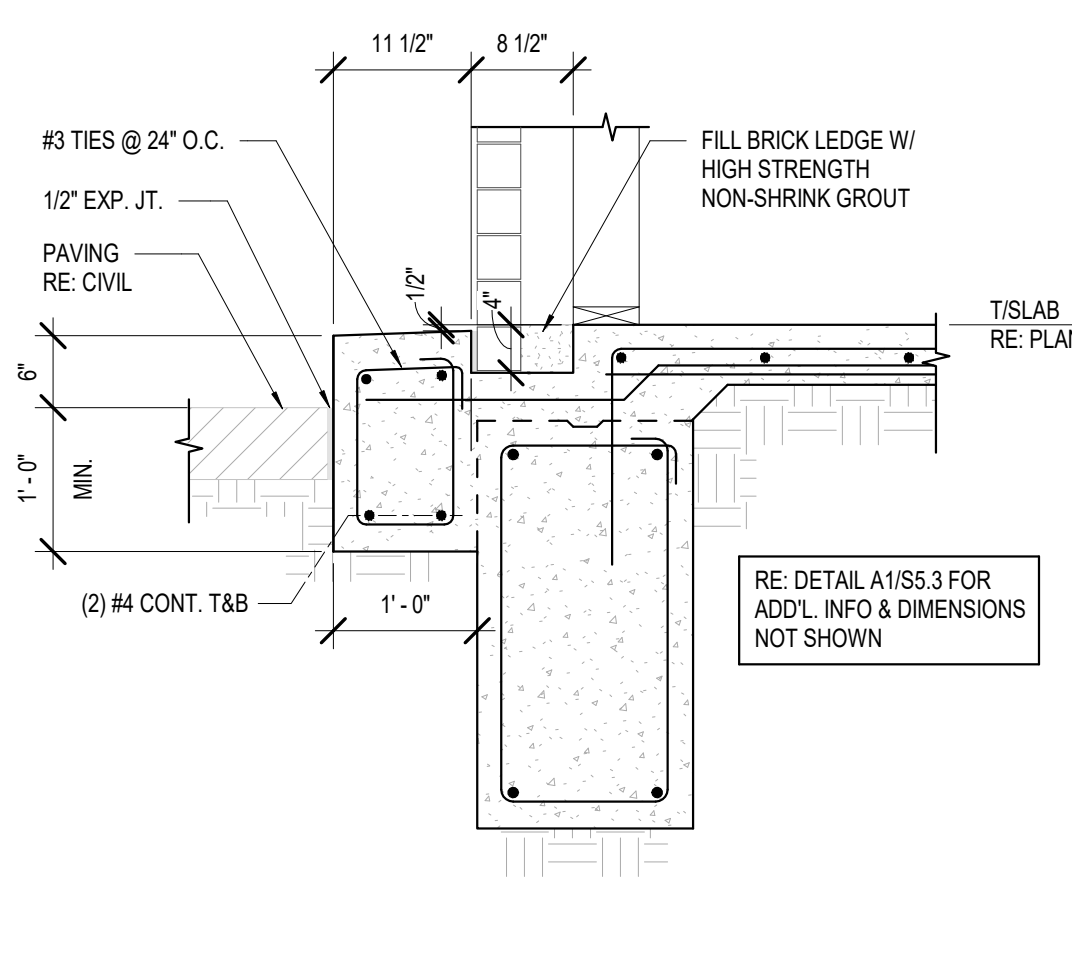
B5 SECTION
3/4" = 1'-0"



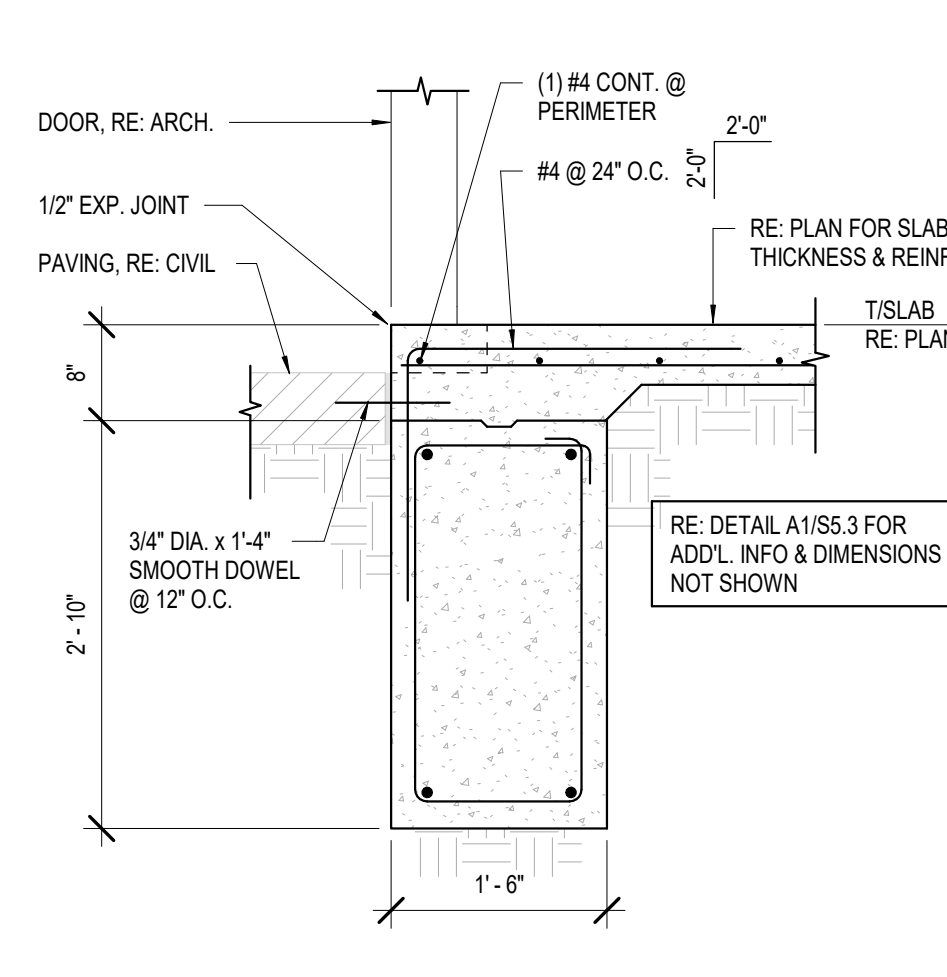
A1 SECTION
3/4" = 1'-0"



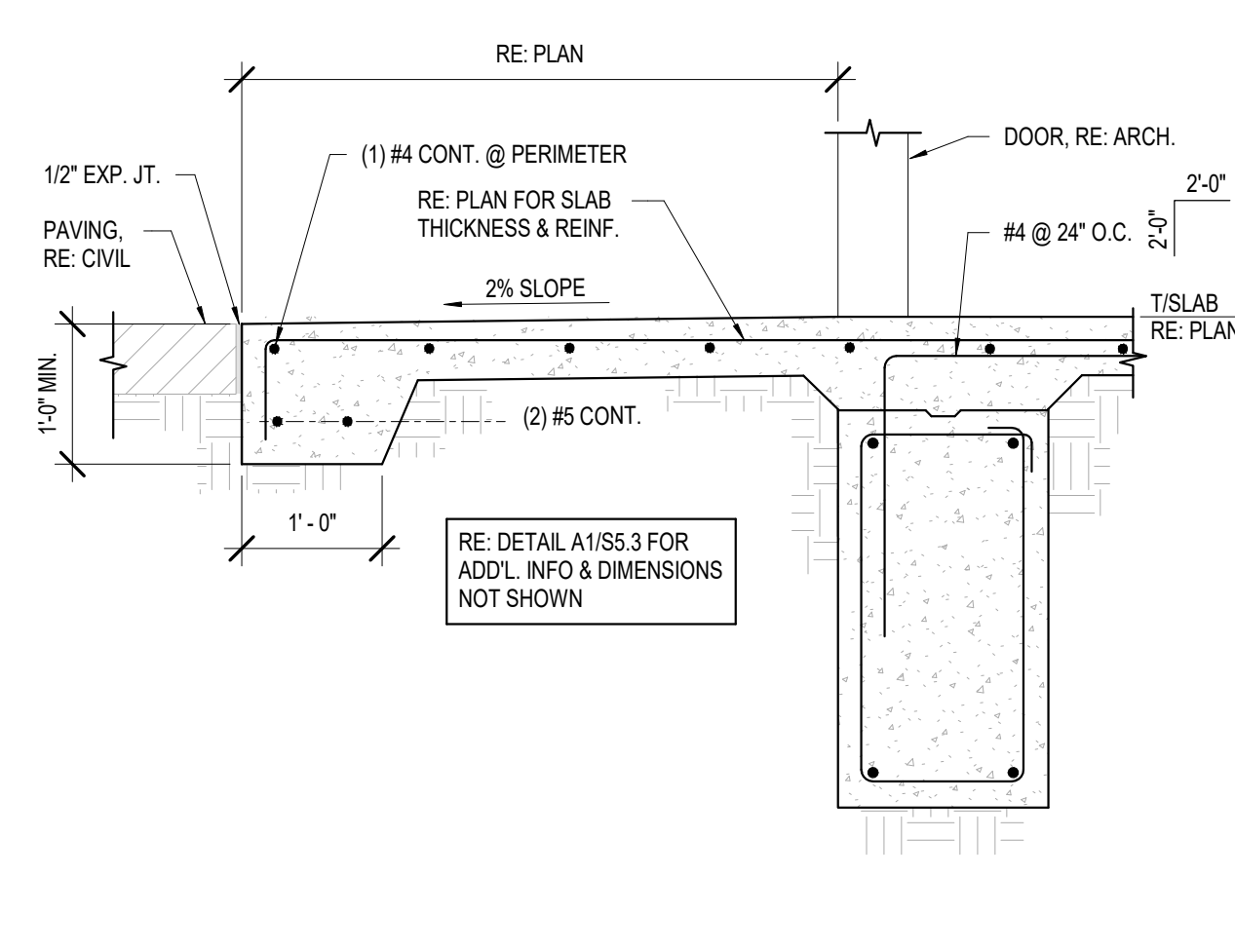
A2 SECTION
3/4" = 1'-0"



A3 SECTION
3/4" = 1'-0"



A4 SECTION
3/4" = 1'-0"



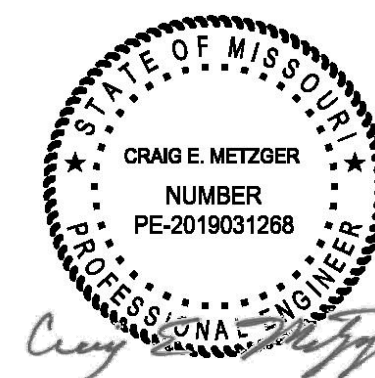
A5 SECTION
3/4" = 1'-0"

WHATABURGER PROTOTYPE 20-M

NE Douglas St & St. Luke's Blvd
Lee's Summit, Missouri



NOTICE: THIS ARCHITECTURAL AND ENGINEERING
DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED
ONLY PURSUANT TO THE AGREEMENT WITH THE
ARCHITECT. NO OTHER USE, DISSEMINATION, OR
DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN
CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS
OF COPYRIGHT AND OTHERWISE ARE HEREBY
SPECIFICALLY RESERVED.



PROFESSIONAL OF RECORD:
Craig E. Metzger No 2019031268
Exp Date: 12/31/21

REV	DESCRIPTION	DATE
	Issued for Bid/Permit	12/21/20

Project No. 40497-01

Client Project No. _____

Drawing Title:

FRAMING DETAILS

Date:	10/30/2020	Phase:	BID/PERMIT
-------	------------	--------	------------

Designed: CEM

Drawn : CLS

Checked: CEM

Drawing No. _____

05 5

\$5.5

S5.5

D5 SECTION
1" = 1'-0"

C5 SECTION
1" = 1'-0"

C4 SECTION
1" = 1'-0"

C3 SECTION
1" = 1'-0"

C2 SECTION
1" = 1'-0"

C1 SECTION
1" = 1'-0"

A5 SECTION
1" = 1'-0"

A4 SECTION
1" = 1'-0"

A3 SECTION
1" = 1'-0"

A2 SECTION
1" = 1'-0"

A1 SECTION
1" = 1'-0"



ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229
p 614.898.7100
f 614.898.7570
www.msconsultants.com

WHATABURGER PROTOTYPE 20-M

NE Douglas St & St. Luke's Blvd
Lee's Summit, Missouri



NOTICE: THIS ARCHITECTURAL AND ENGINEERING
DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED
ONLY PURSUANT TO THE AGREEMENT WITH THE
ARCHITECT. NO OTHER USE, DISSEMINATION, OR
DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN
CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS
OF COPYRIGHT AND OTHERWISE ARE HEREBY
SPECIFICALLY RESERVED.



PROFESSIONAL OF RECORD:
Craig E. Metzger No 2019031268
Exp Date: 12/31/21

REV	DESCRIPTION	DATE
	Issued for Bid/Permit	12/21/20

Project No.: 40497-01

Client Project No.:

Drawing Title:

FRAMING DETAILS

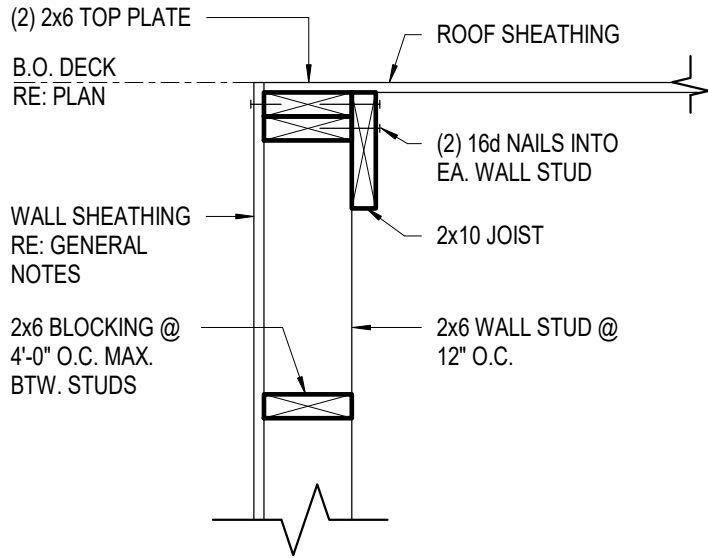
Date: 10/30/2020 Phase: BID/PERMIT

Designed: CEM

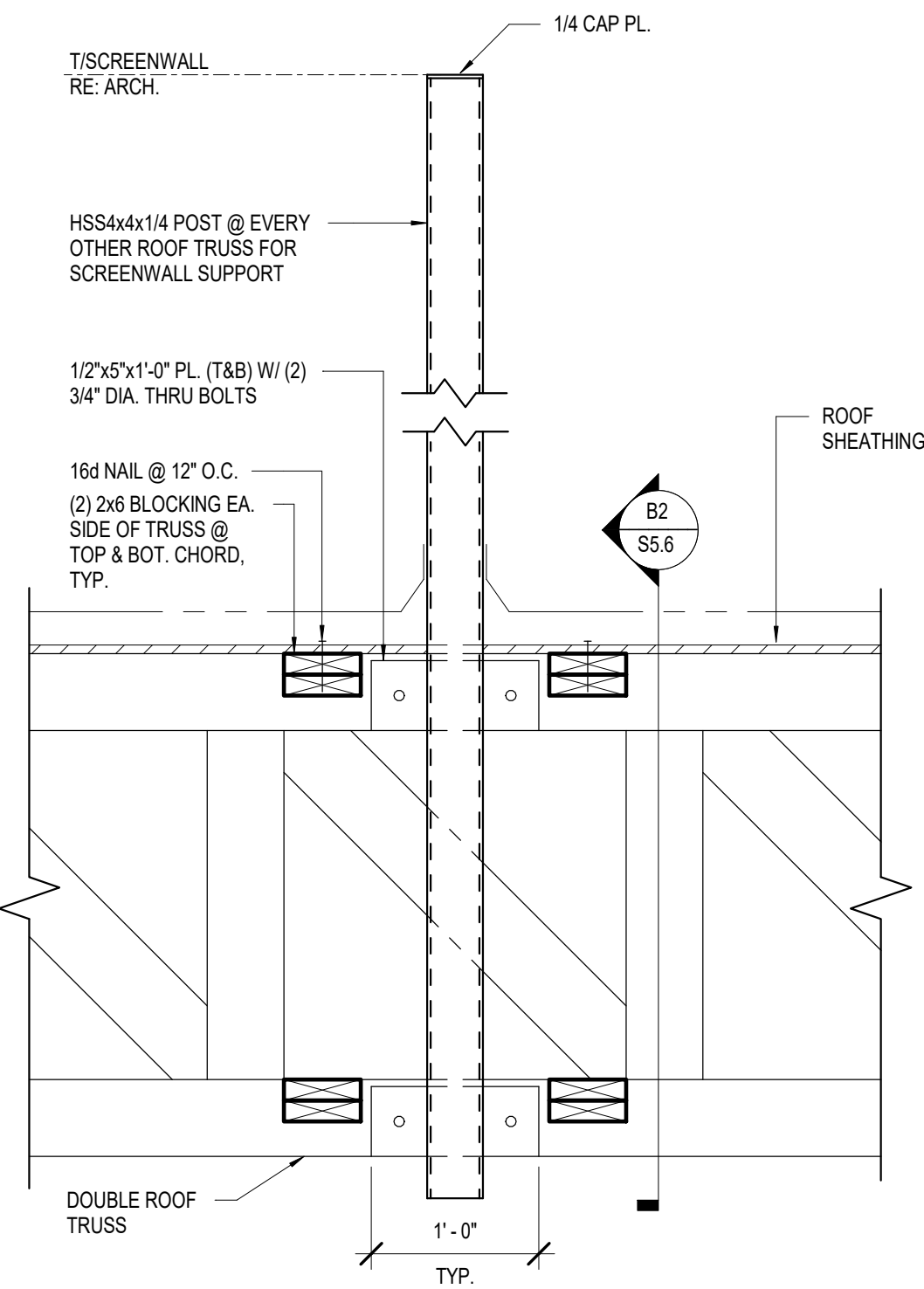
Drawn: CLS

Checked: CEM

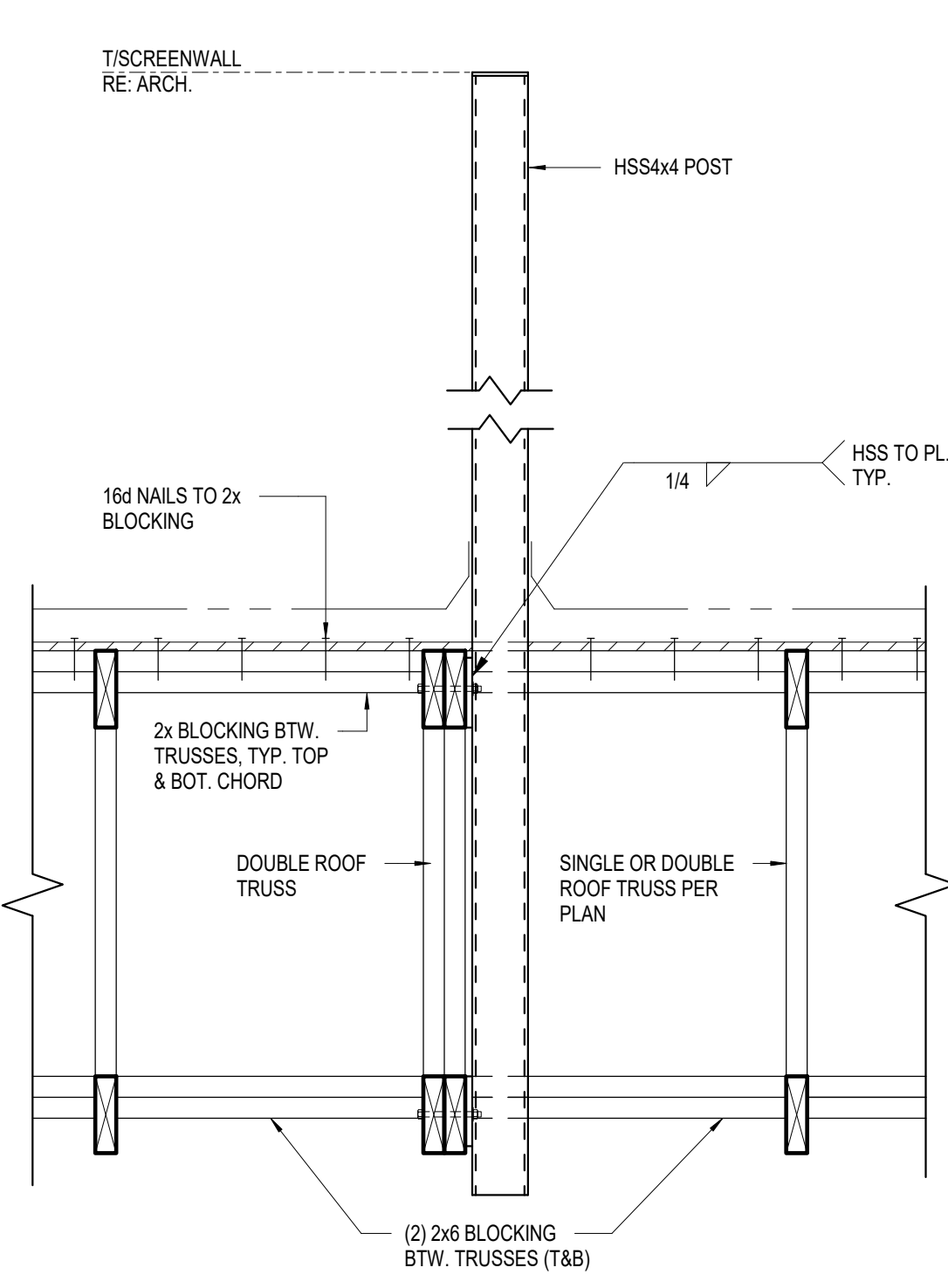
S5.6



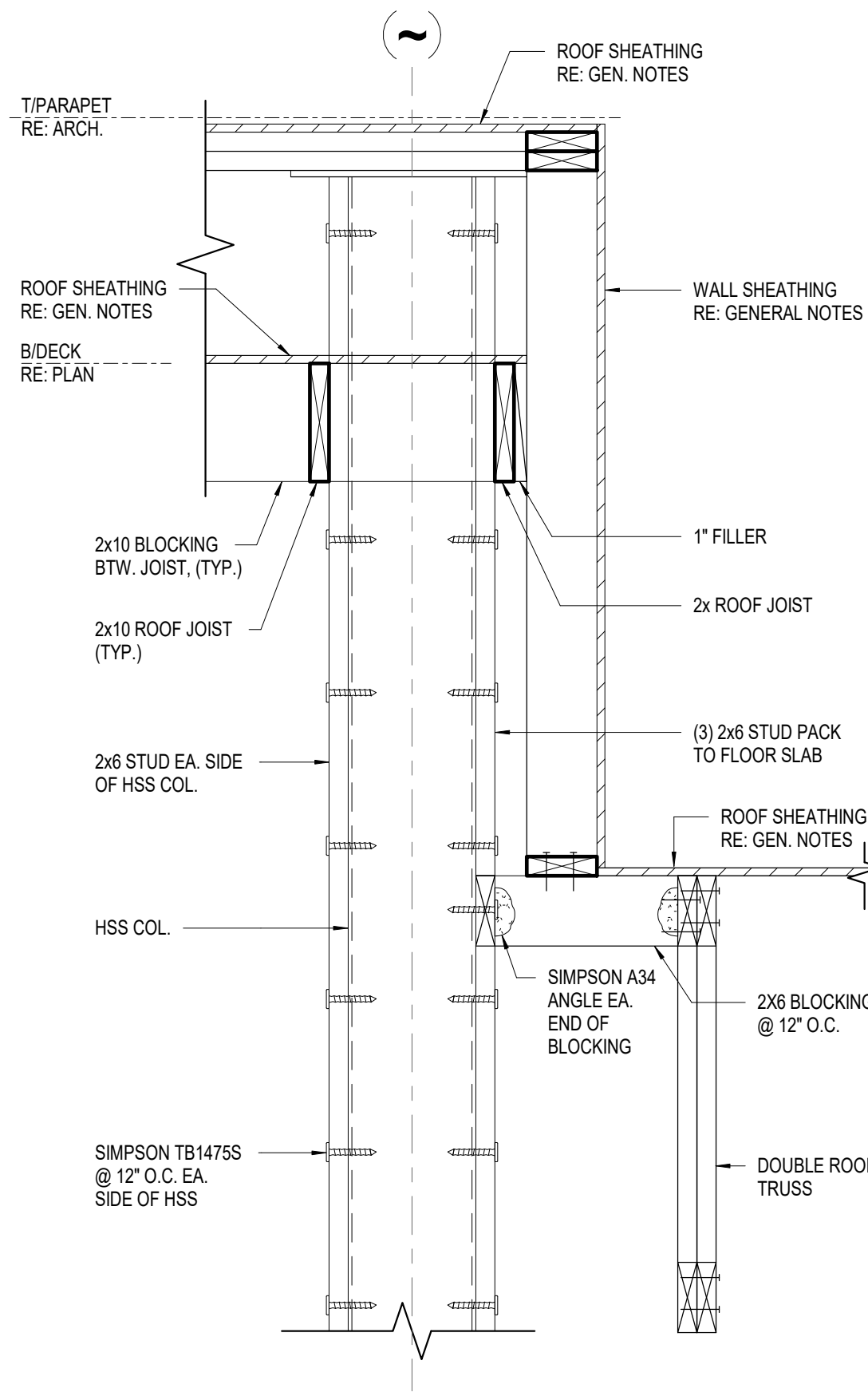
D1 SECTION
1" = 1'-0"



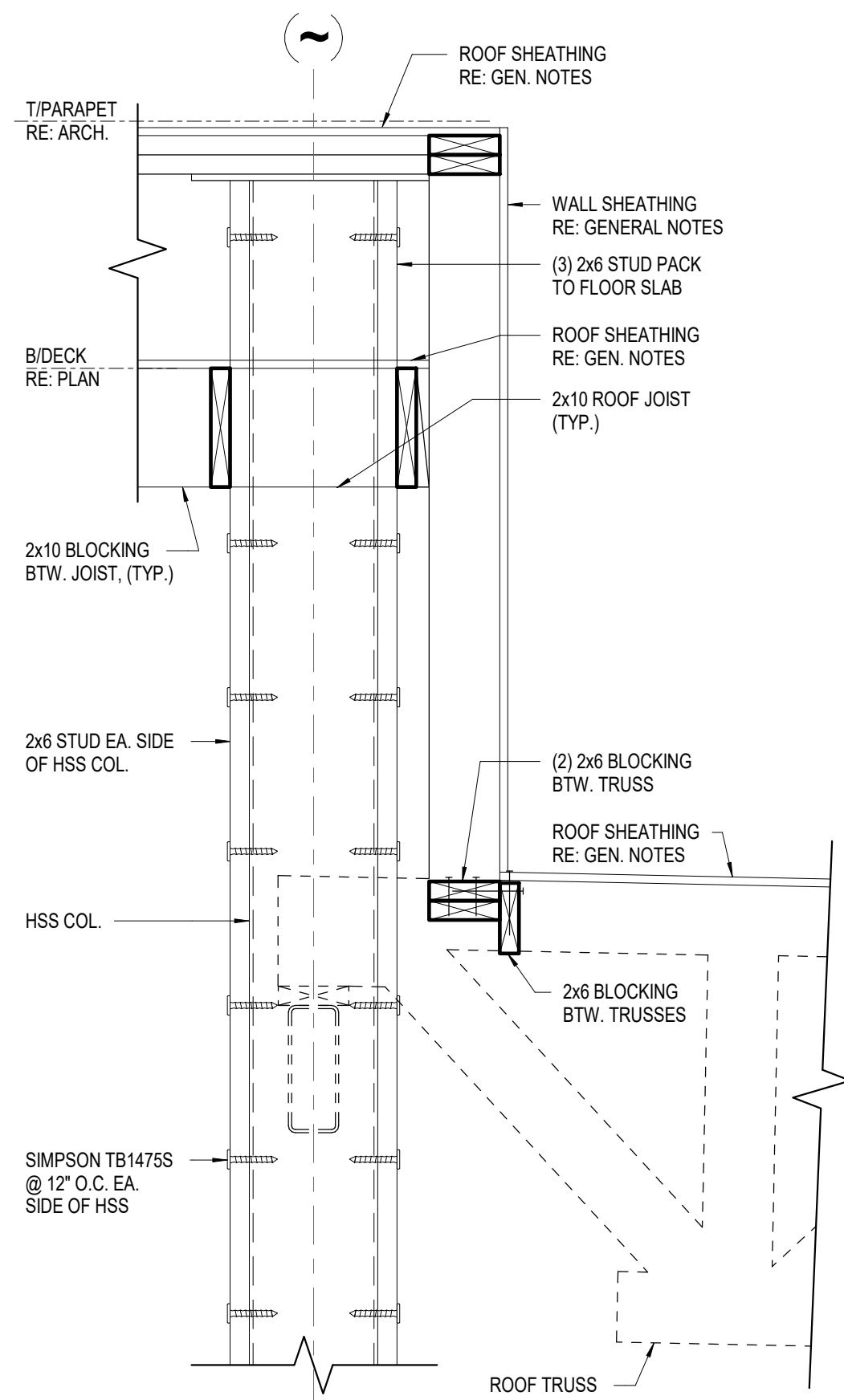
B1 ROOF SCREENWALL DETAIL
1" = 1'-0"



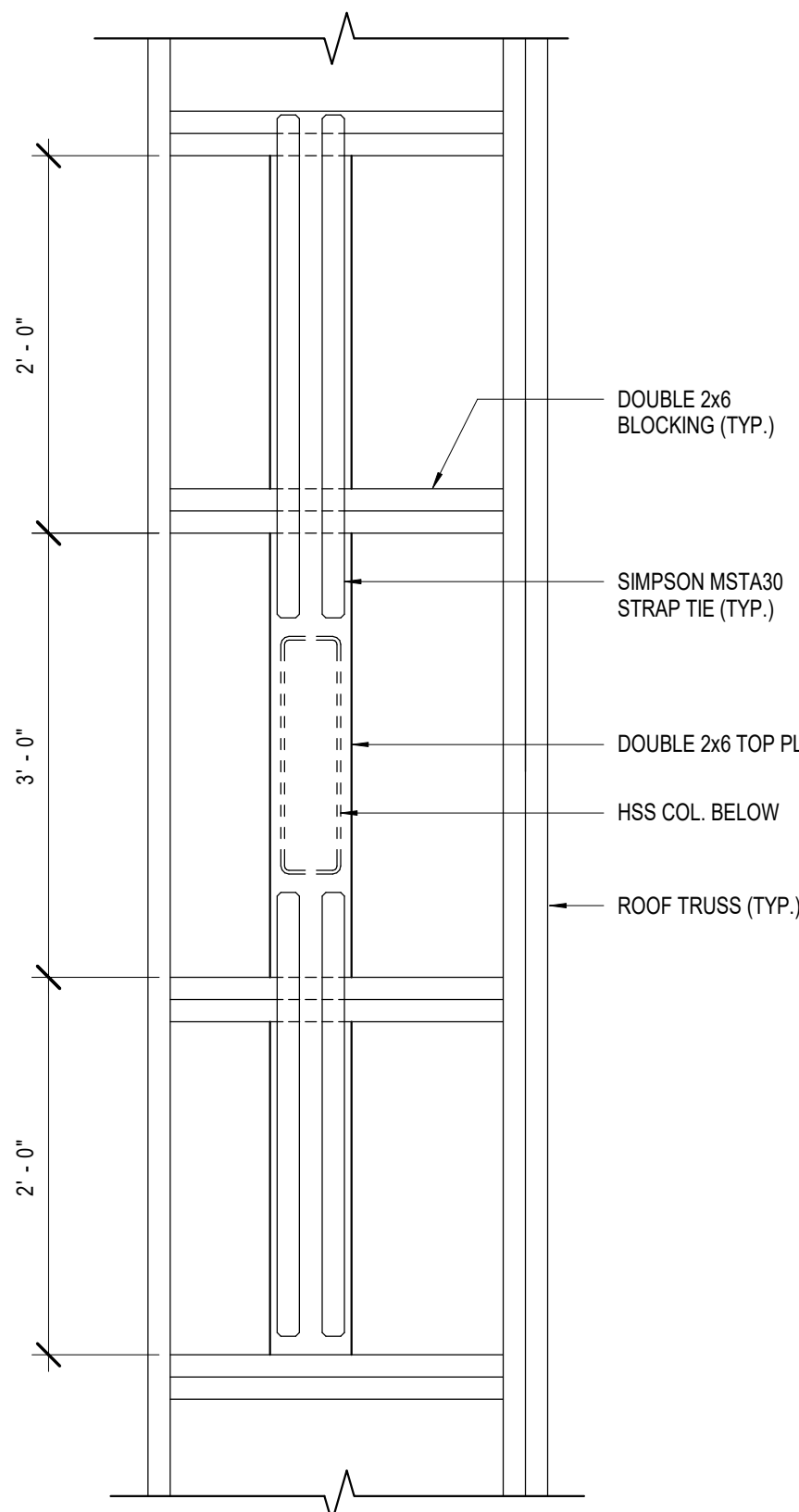
B2 ROOF SCREENWALL DETAIL
1" = 1'-0"



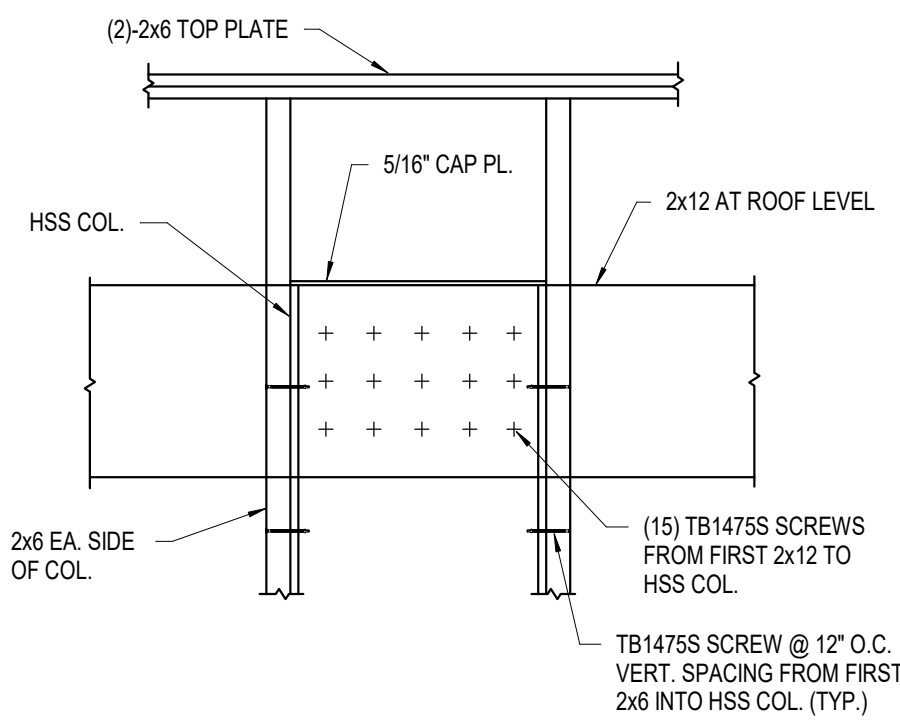
B3 SECTION
1" = 1'-0"



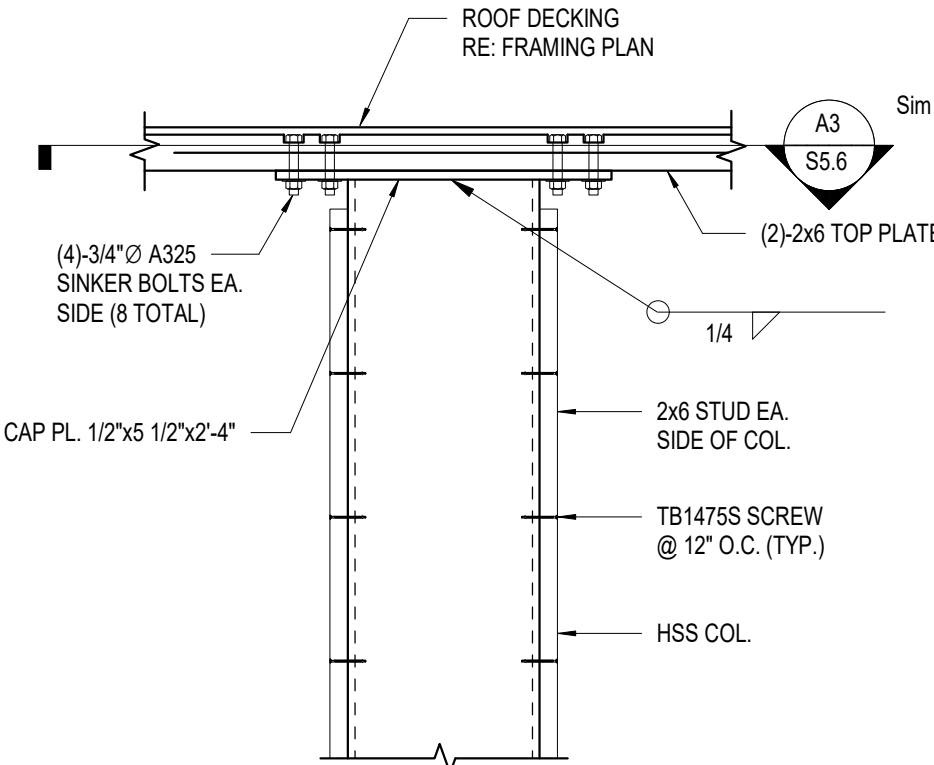
B4 SECTION
1" = 1'-0"



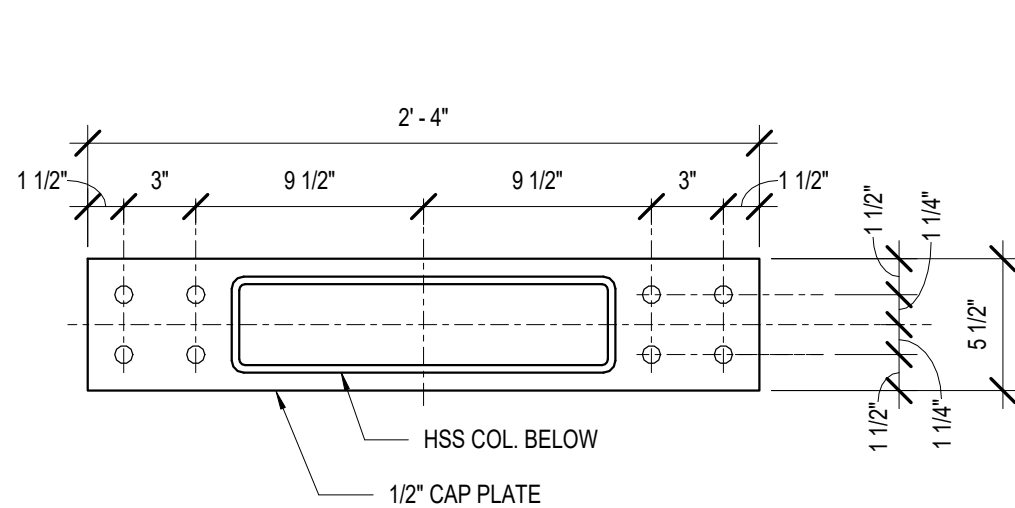
B5 DETAIL
1" = 1'-0"



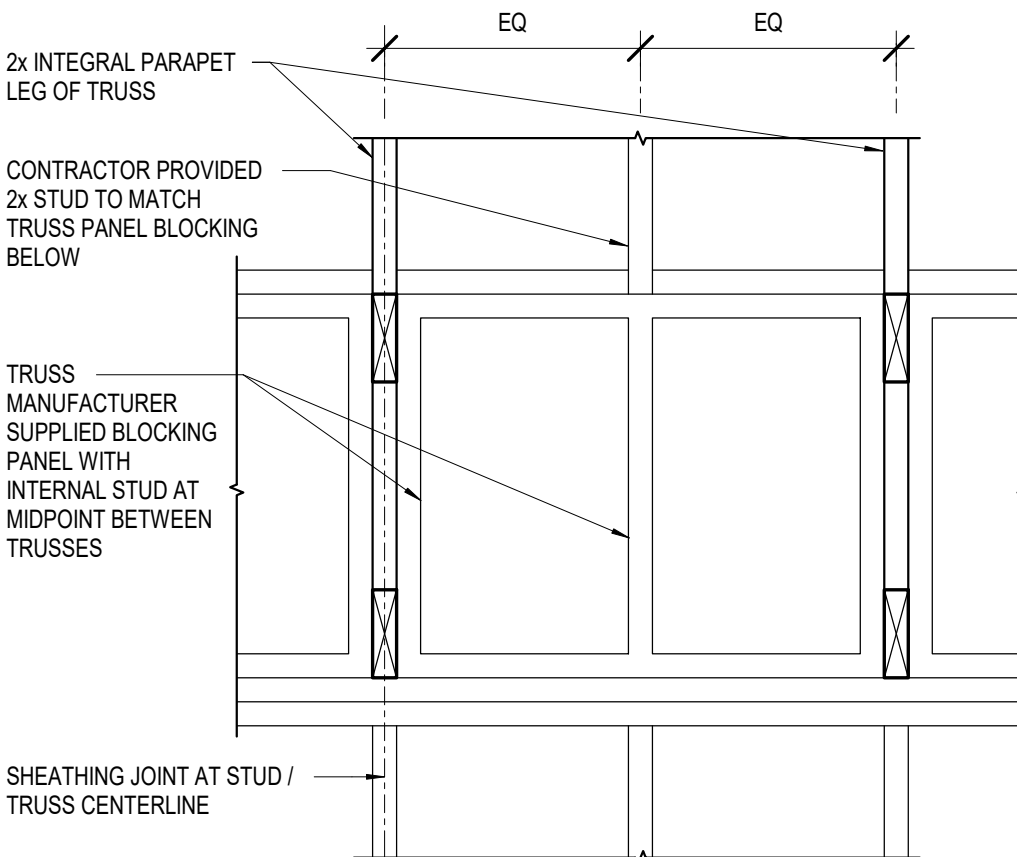
A1 CONNECTION DETAIL
1/2" = 1'-0"



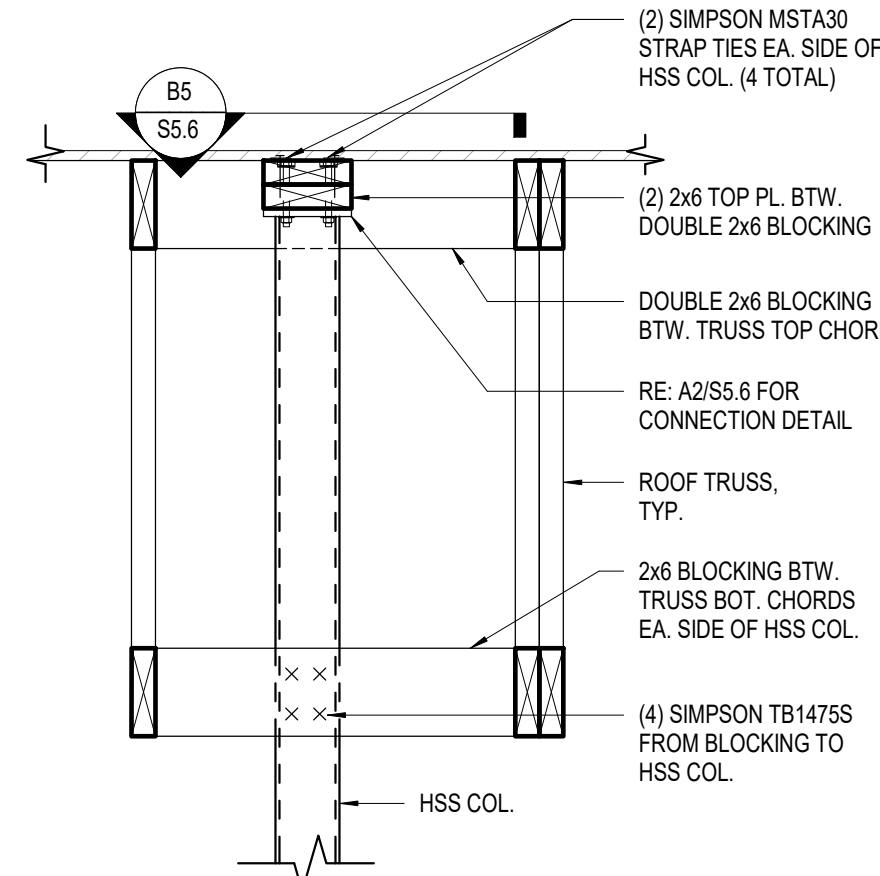
A2 CONNECTION DETAIL
1 1/2" = 1'-0"



A3 CONNECTION DETAIL
1 1/2" = 1'-0"



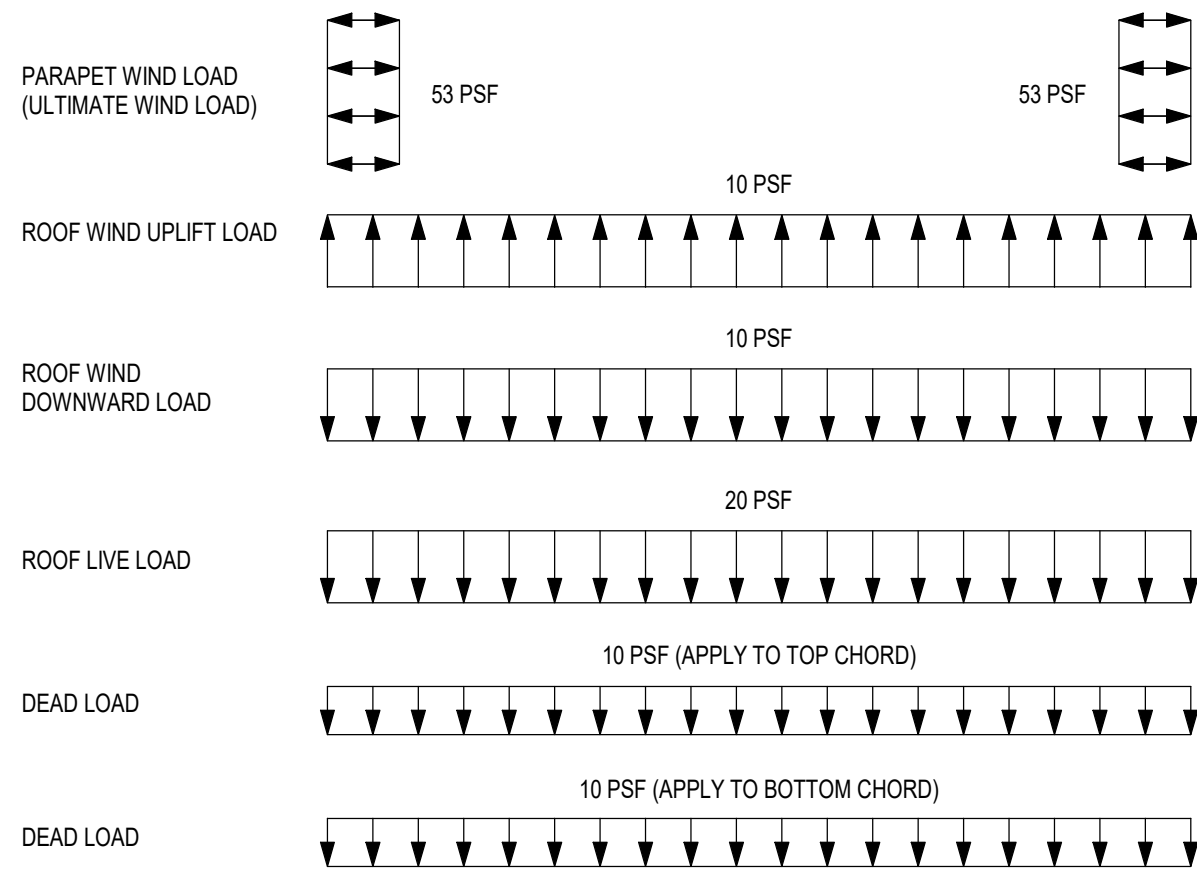
A4 FRAMING ELEV. AT TRUSS END
NTS



A5 SECTION
1" = 1'-0"

C:\Backup\Revit\WB-Lees Summit_MO_V16_STRC_200921_dsheroch.nt

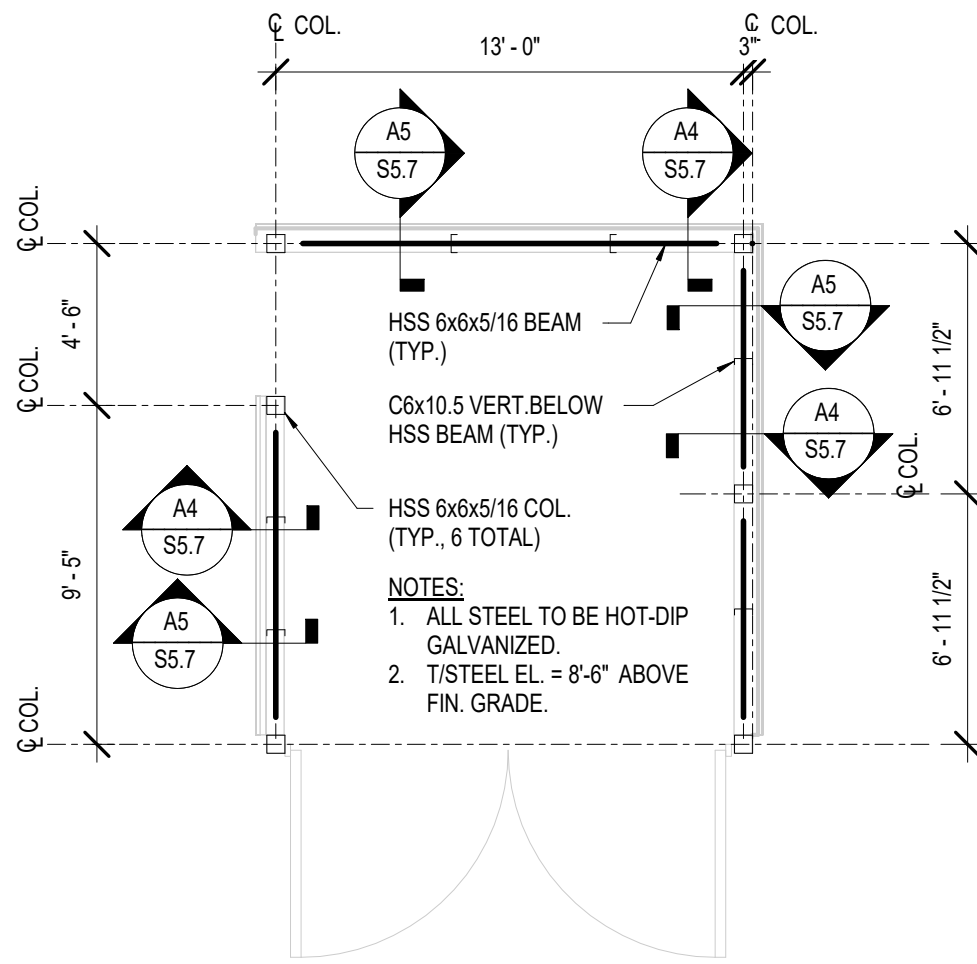
12/22/2020 3:58:42 PM



NOTE:
1. ACCOUNT FOR MECHANICAL ROOF TOP UNIT LOADS IN THE TRUSS DESIGN. LOADS ARE NOT INCLUDED IN THE ABOVE LOADING DIAGRAM. WEIGHT AND LOCATION OF UNITS ARE SHOWN ON THE ROOF FRAMING PLAN. VERIFY THESE LOADS WITH THE MECHANICAL SUPPLIER BEFORE DESIGNING TRUSS.

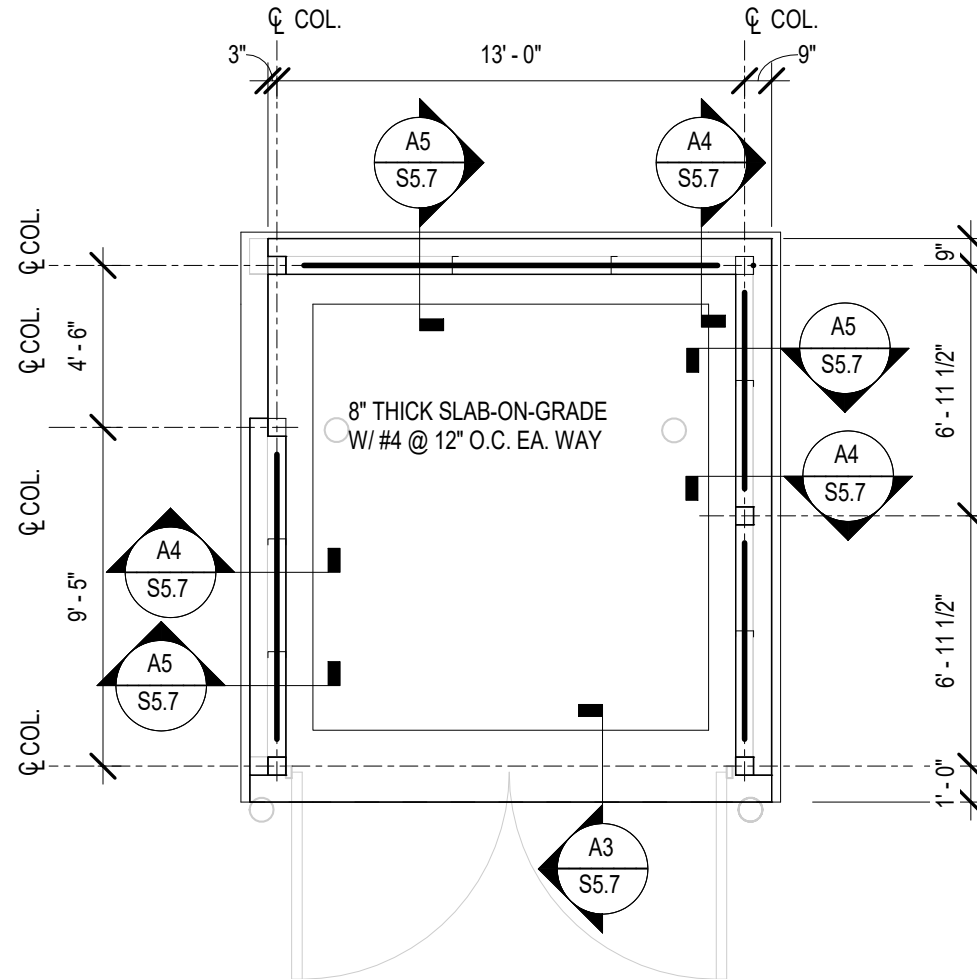
C1 TRUSS DESIGN CRITERIA

NTS



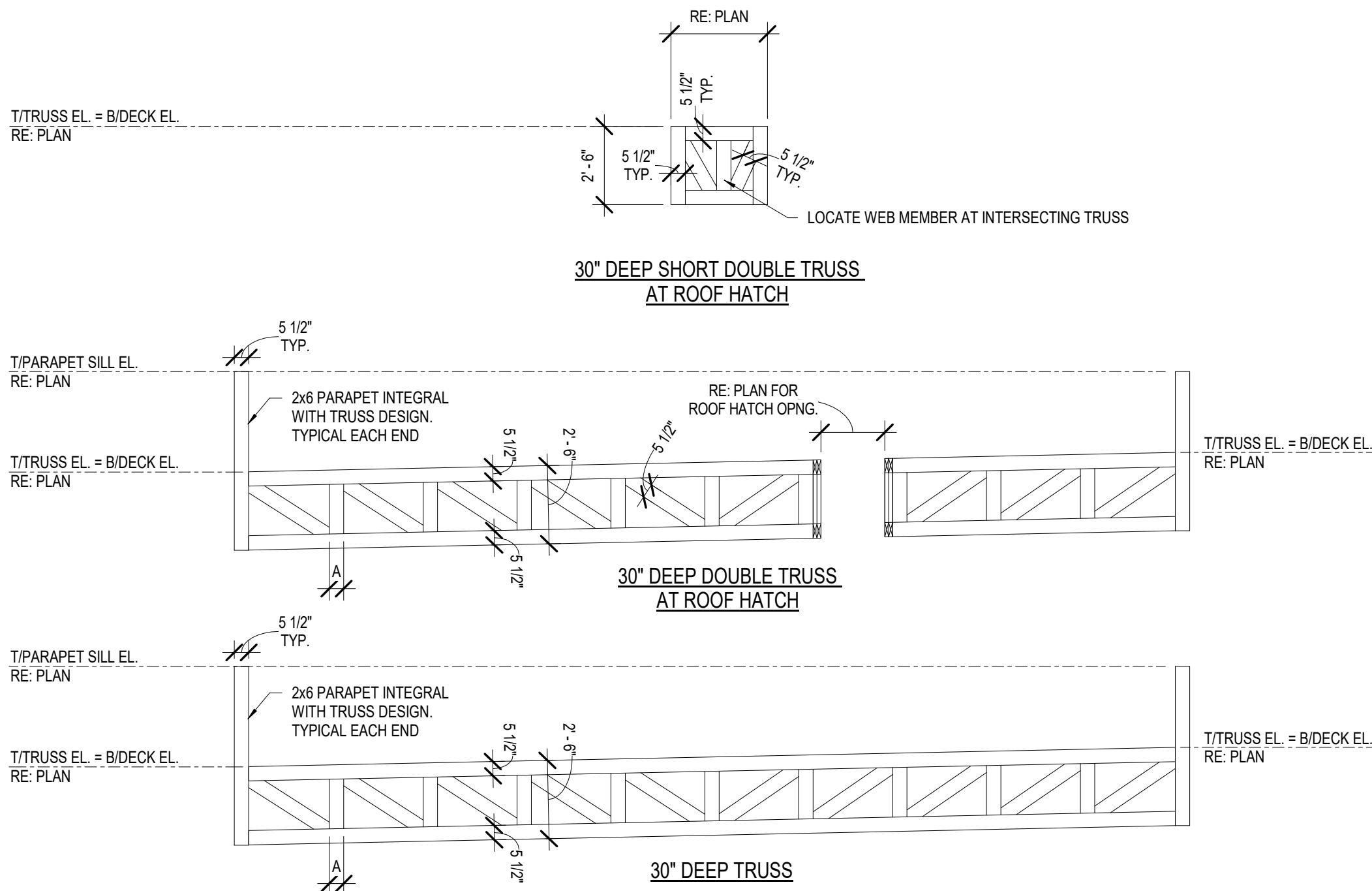
B1 TRASH ENCLOSURE FRAMING PLAN

3/16" = 1'-0"



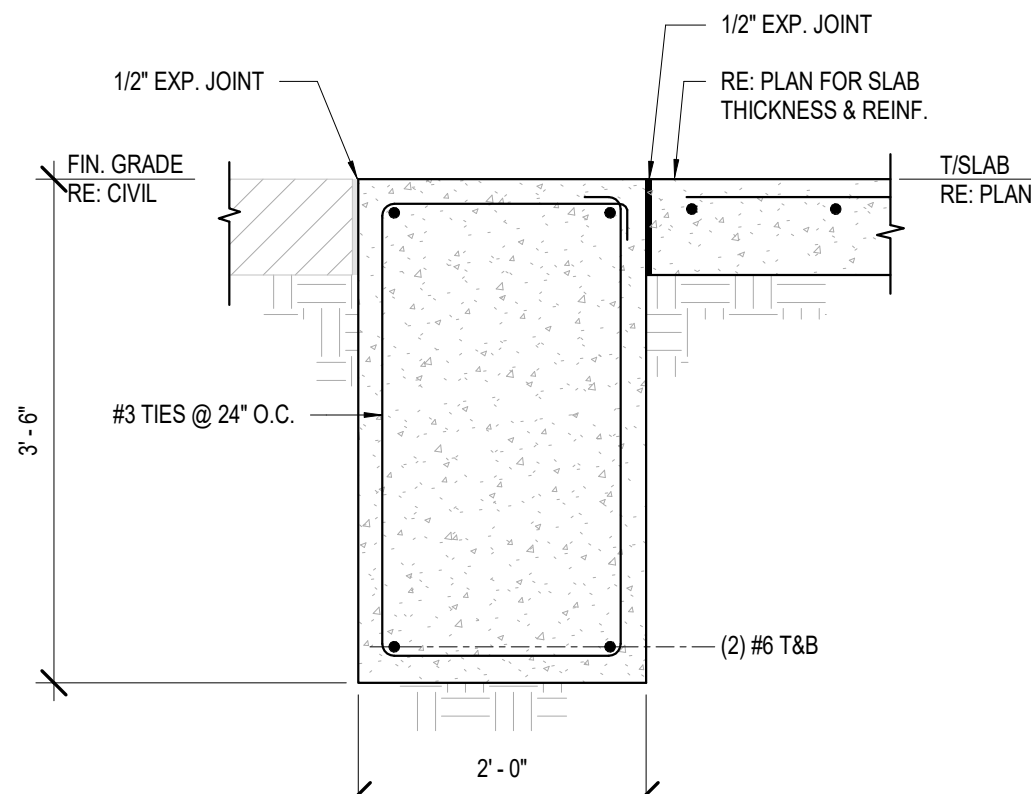
A1 TRASH ENCLOSURE FOUNDATION PLAN

3/16" = 1'-0"



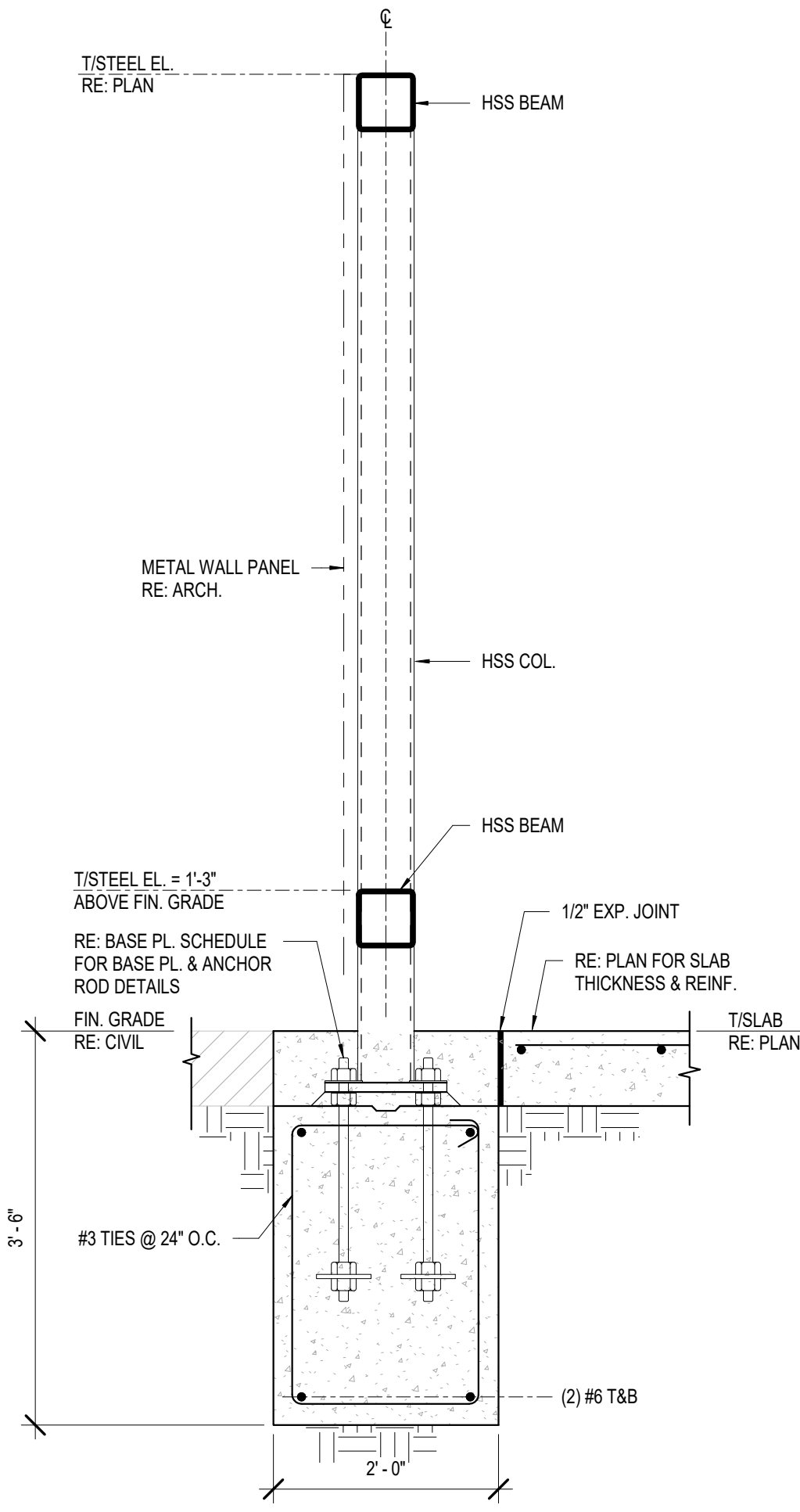
C2 PRE-MANUFACTURED ROOF TRUSS DIAGRAM

NTS



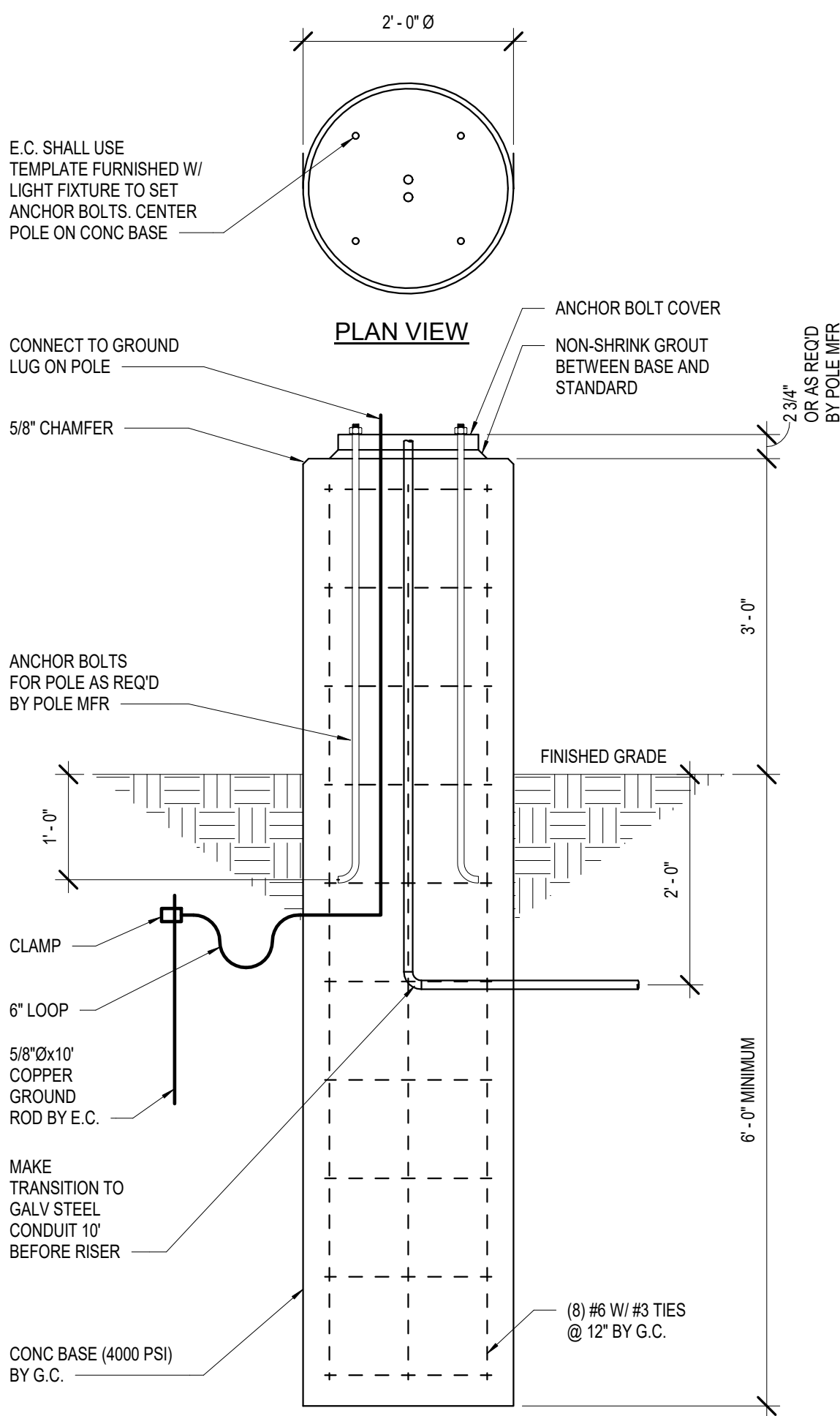
A3 SECTION

3/4" = 1'-0"



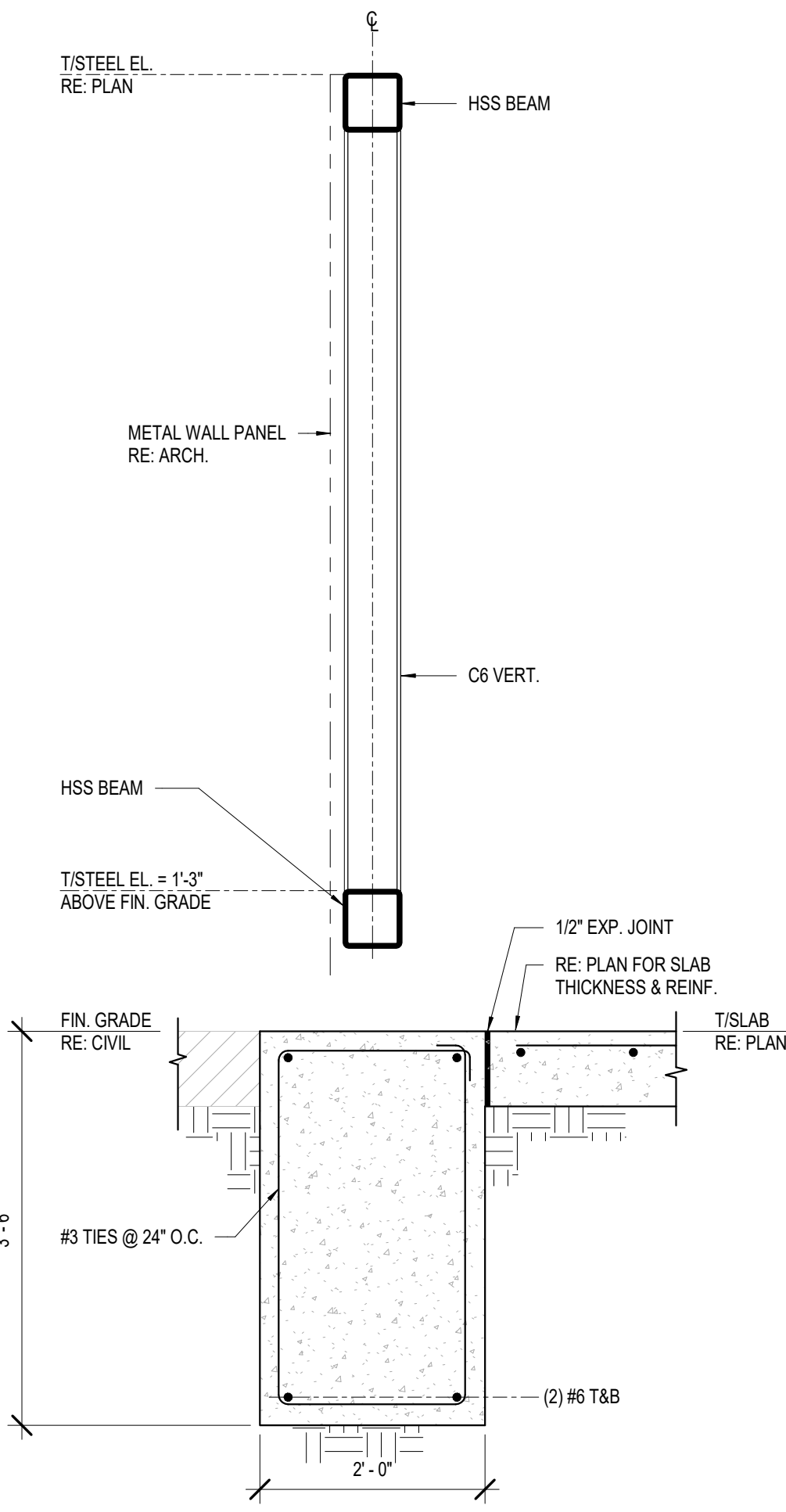
A4 SECTION

3/4" = 1'-0"



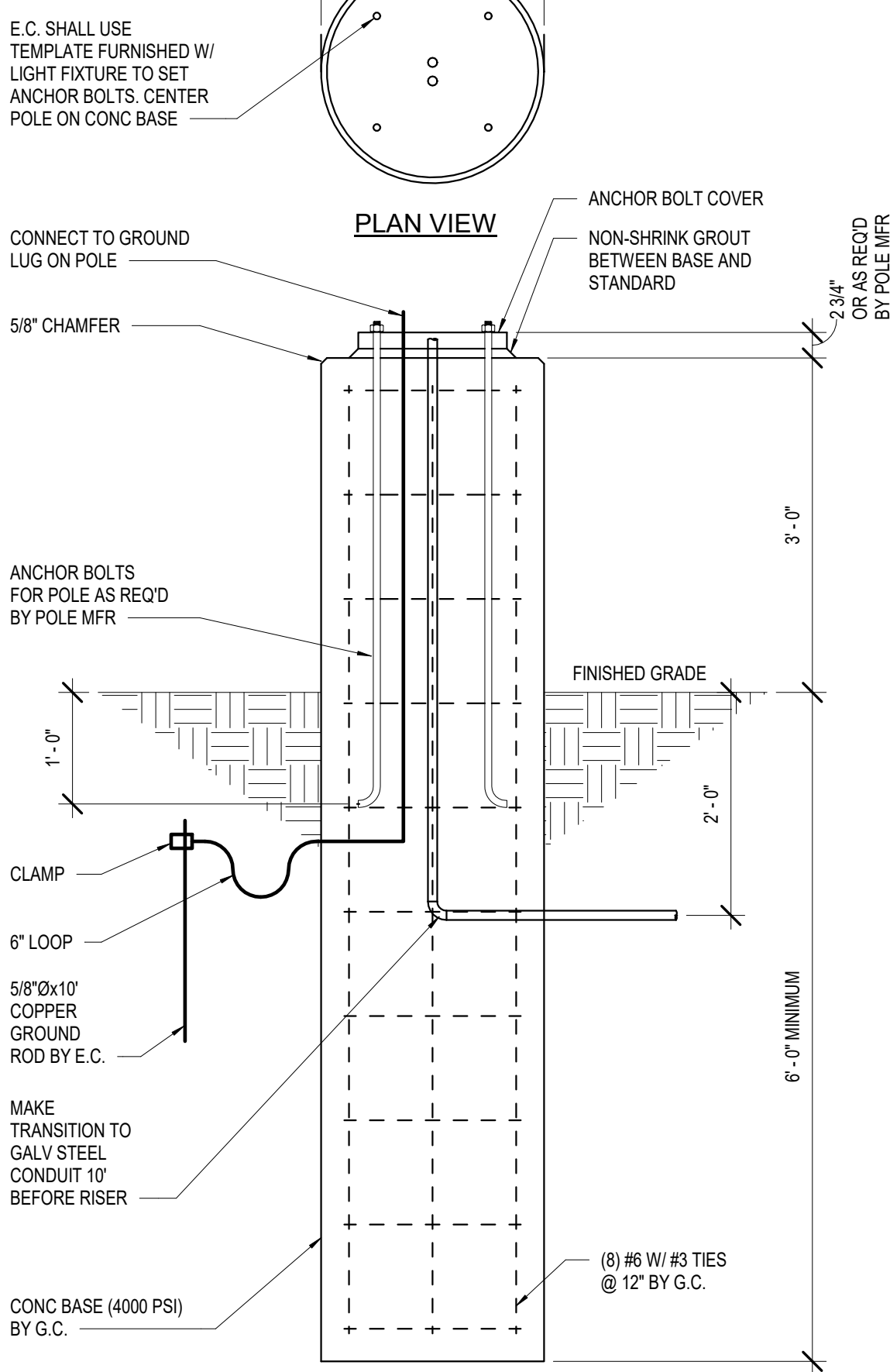
C5 LIGHT POLE BASE

3/4" = 1'-0"



A5 SECTION

3/4" = 1'-0"



C5 LIGHT POLE BASE

3/4" = 1'-0"



ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229
p 614.898.7100
f 614.898.7570
www.msconsultants.com

WHATABURGER PROTOTYPE 20-M

NE Douglas St & St. Luke's Blvd
Lee's Summit, Missouri



NOTICE: THIS ARCHITECTURAL AND ENGINEERING DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED ONLY PURSUANT TO THE AGREEMENT WITH THE ARCHITECT. NO OTHER USE, DISSEMINATION, OR DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS OF COPYRIGHT AND OTHERWISE ARE HEREBY SPECIFICALLY RESERVED.



PROFESSIONAL OF RECORD:
Craig E. Metzger No 2019031268
Exp Date: 12/31/21

REV	DESCRIPTION	DATE
1	Issued for Bid/Permit	12/21/20

Project No.: 40497-01

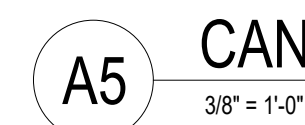
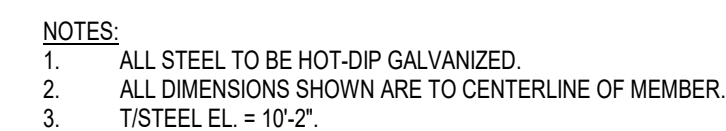
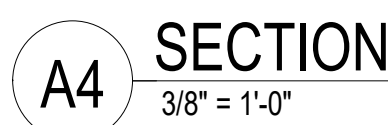
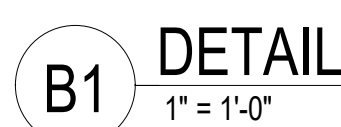
Client Project No.:

Drawing Title:

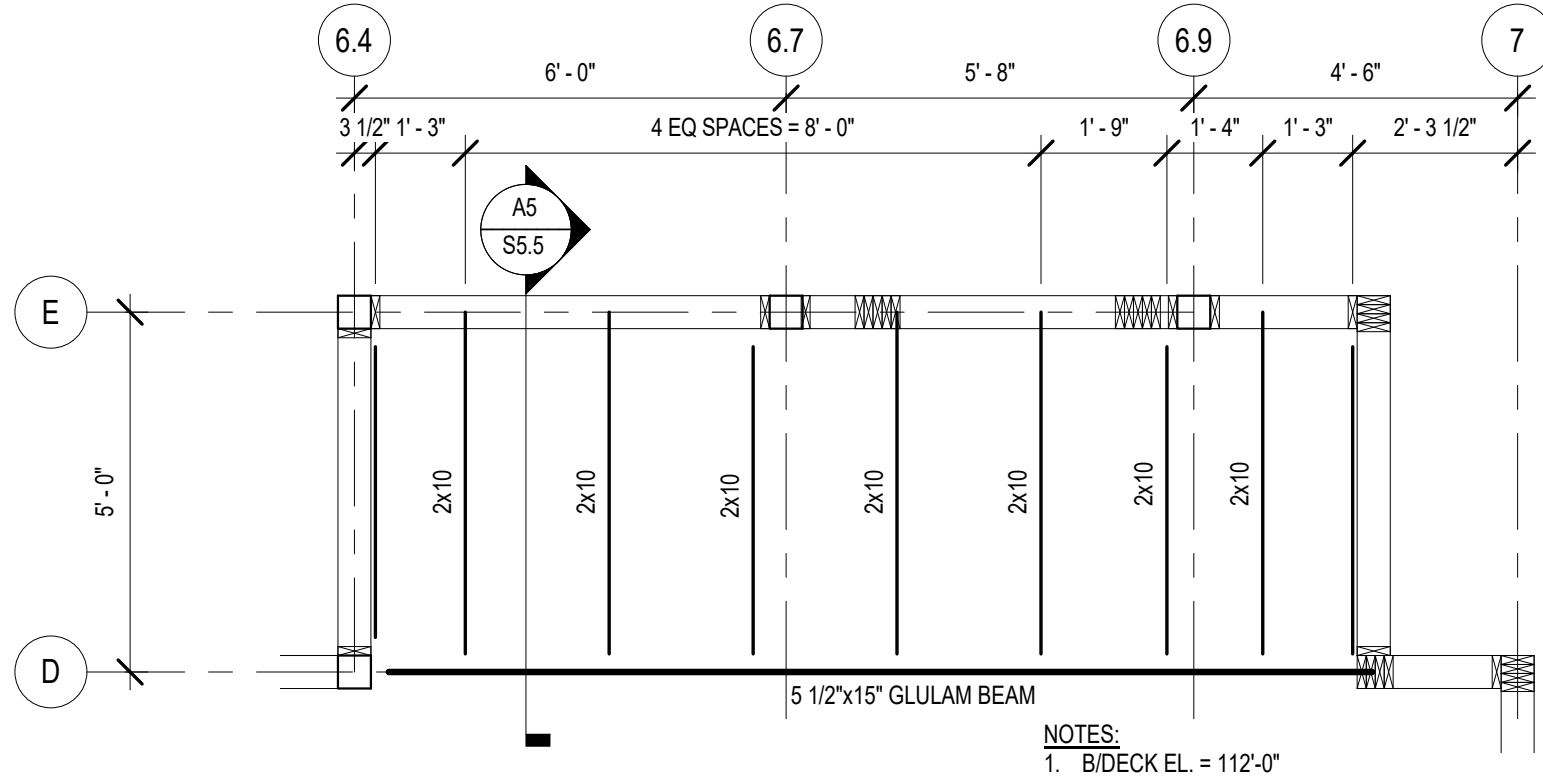
FRAMING DETAILS

Date: 10/30/2020 Phase: BID/PERMIT
Designed: CEM
Drawn: CLS
Checked: CEM

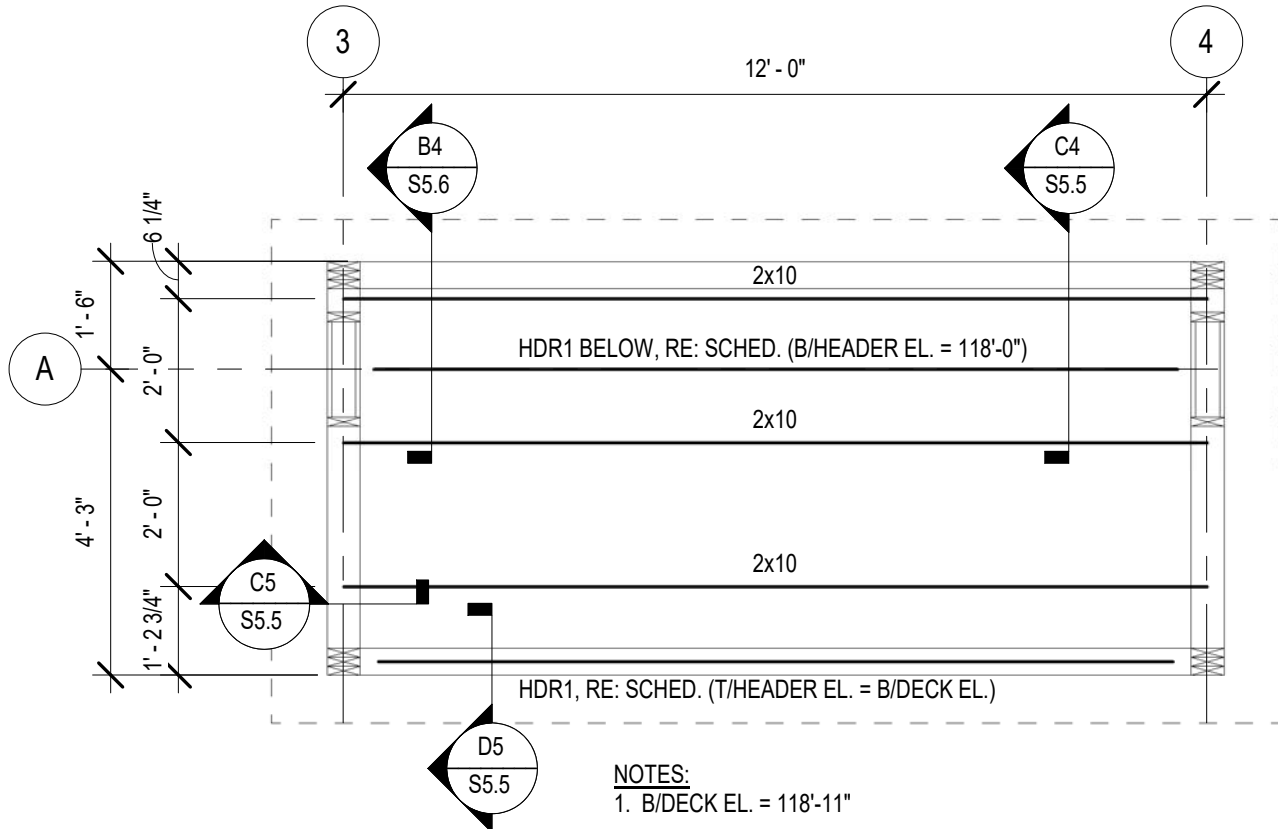
S5.7



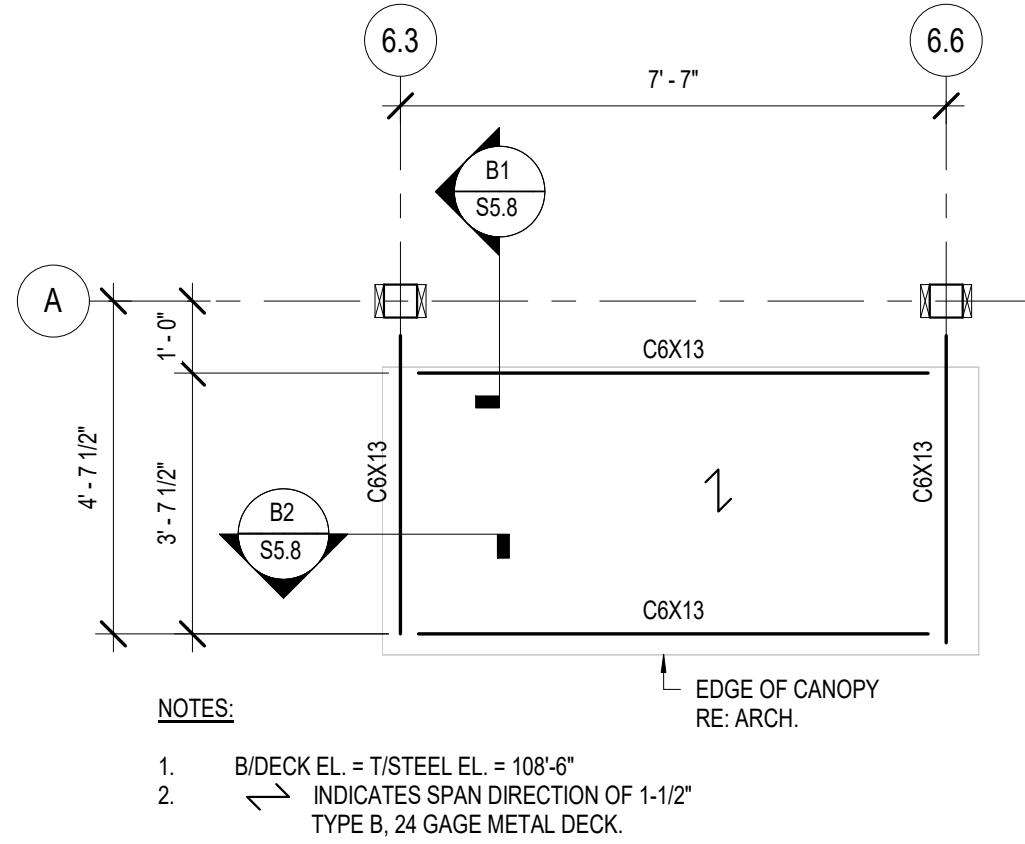
12/22/2020 3:58:48 PM C:\Backup\Revit\WB-Lees Summit_MO_V18_STRC_200921_dsheroch.rvt



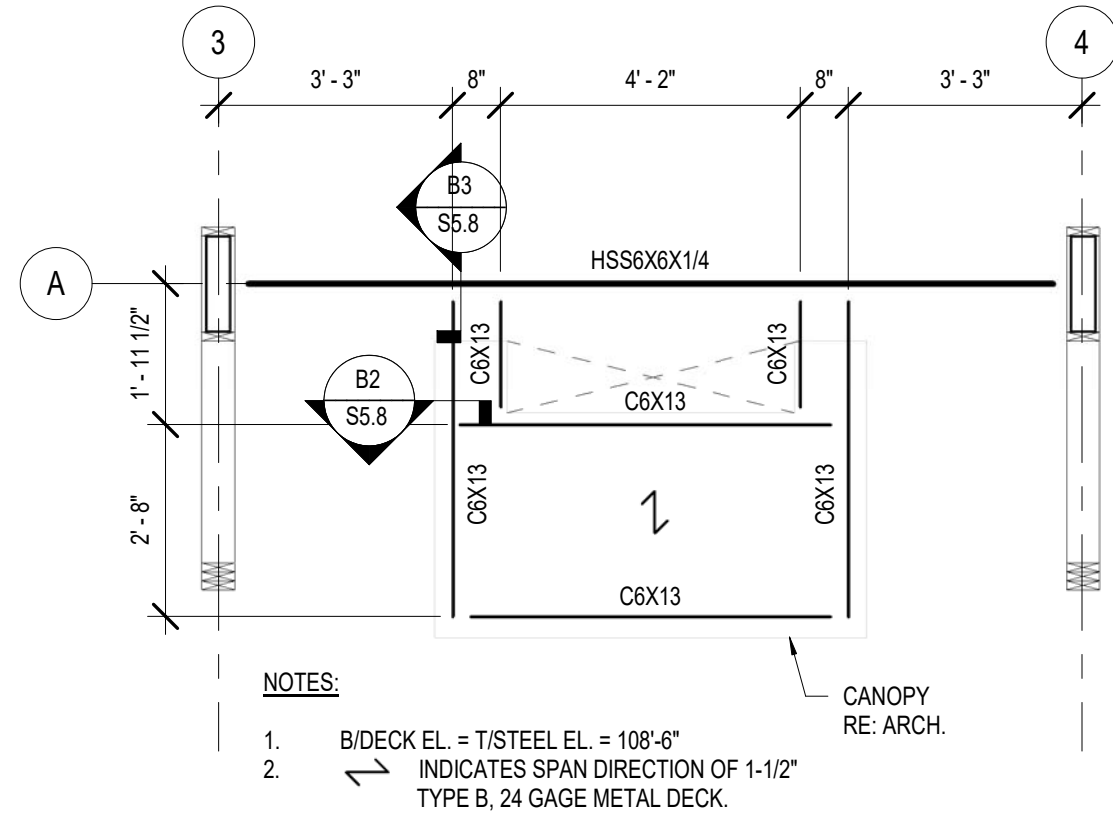
D1 ENLARGED PLAN
3/8" = 1'-0"



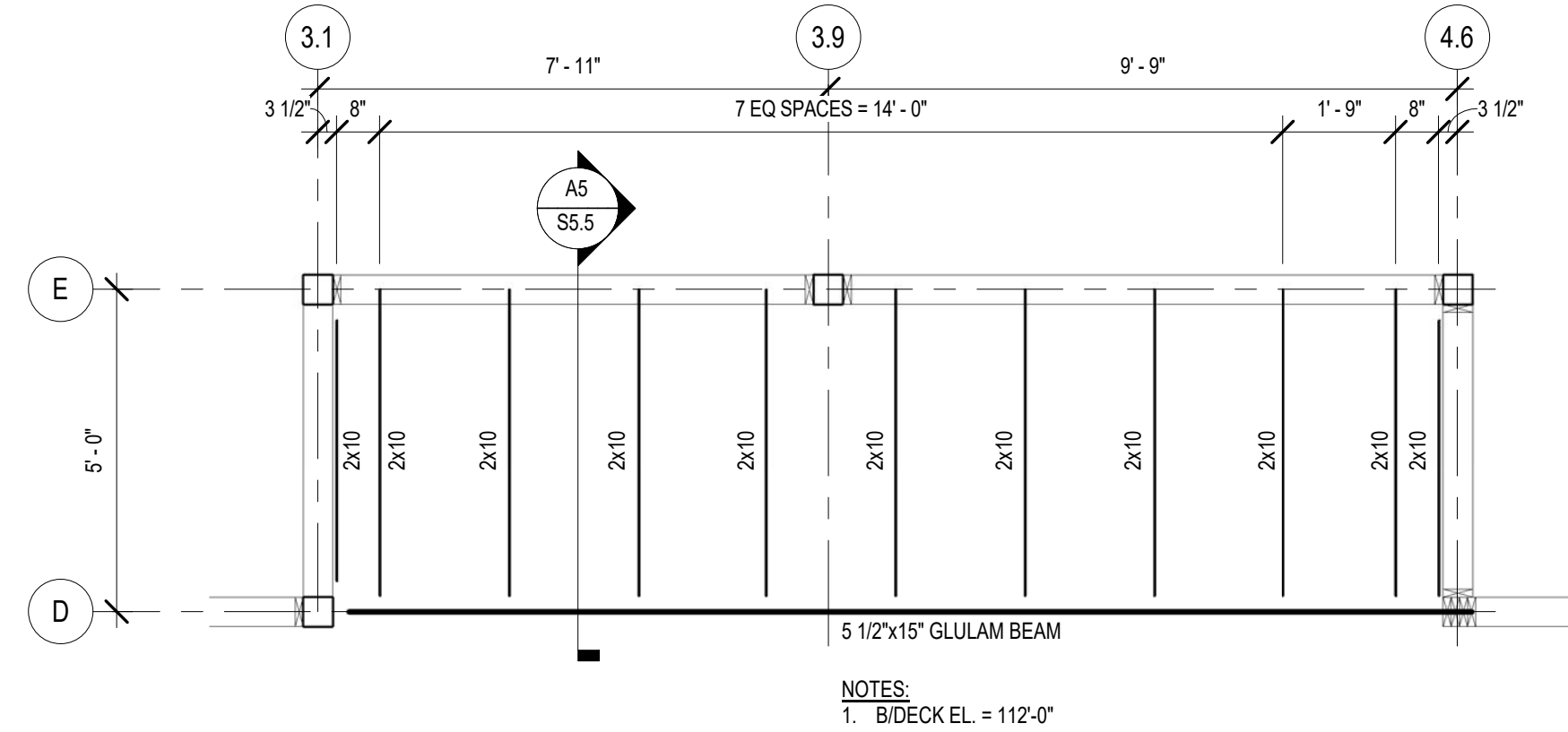
D3 ENLARGED PLAN
3/8" = 1'-0"



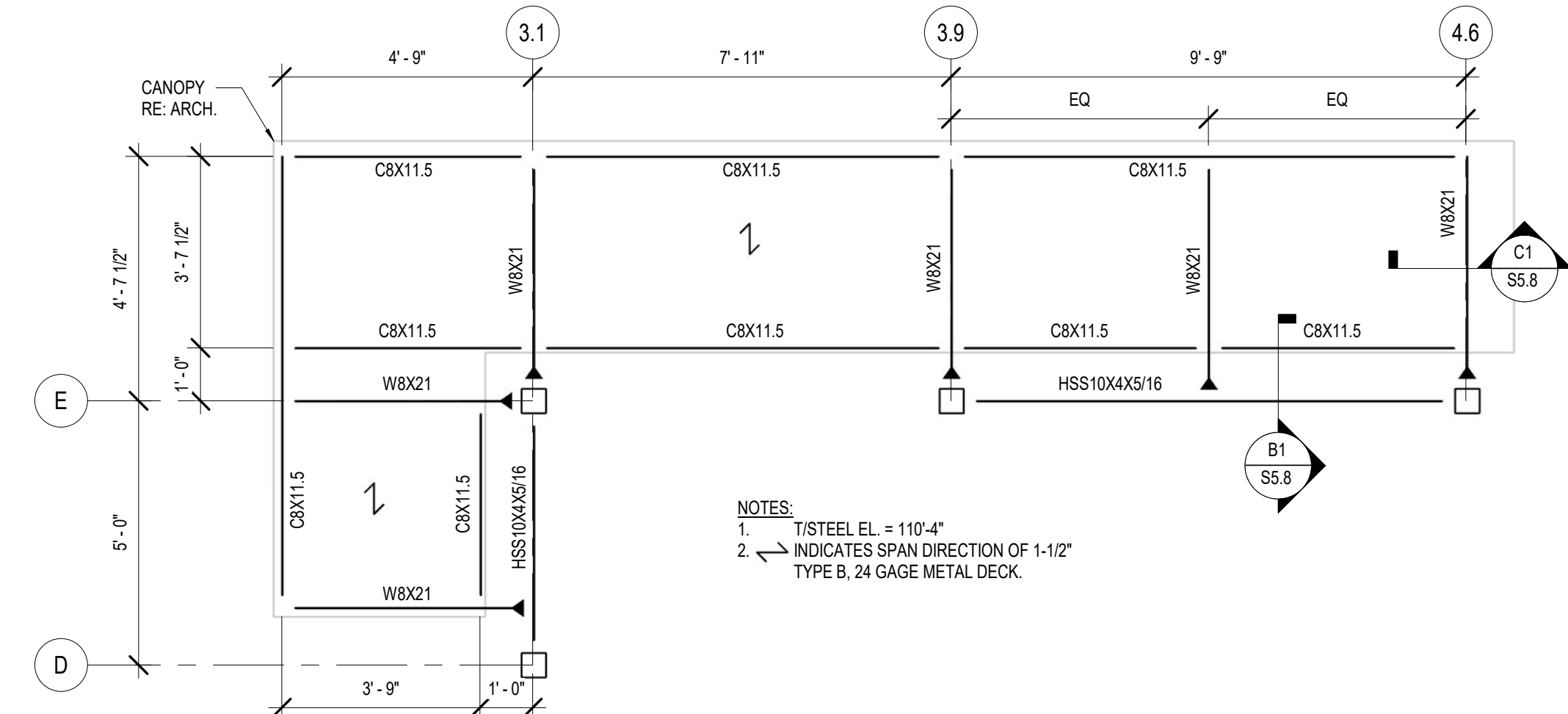
D4 ENLARGED PLAN
3/8" = 1'-0"



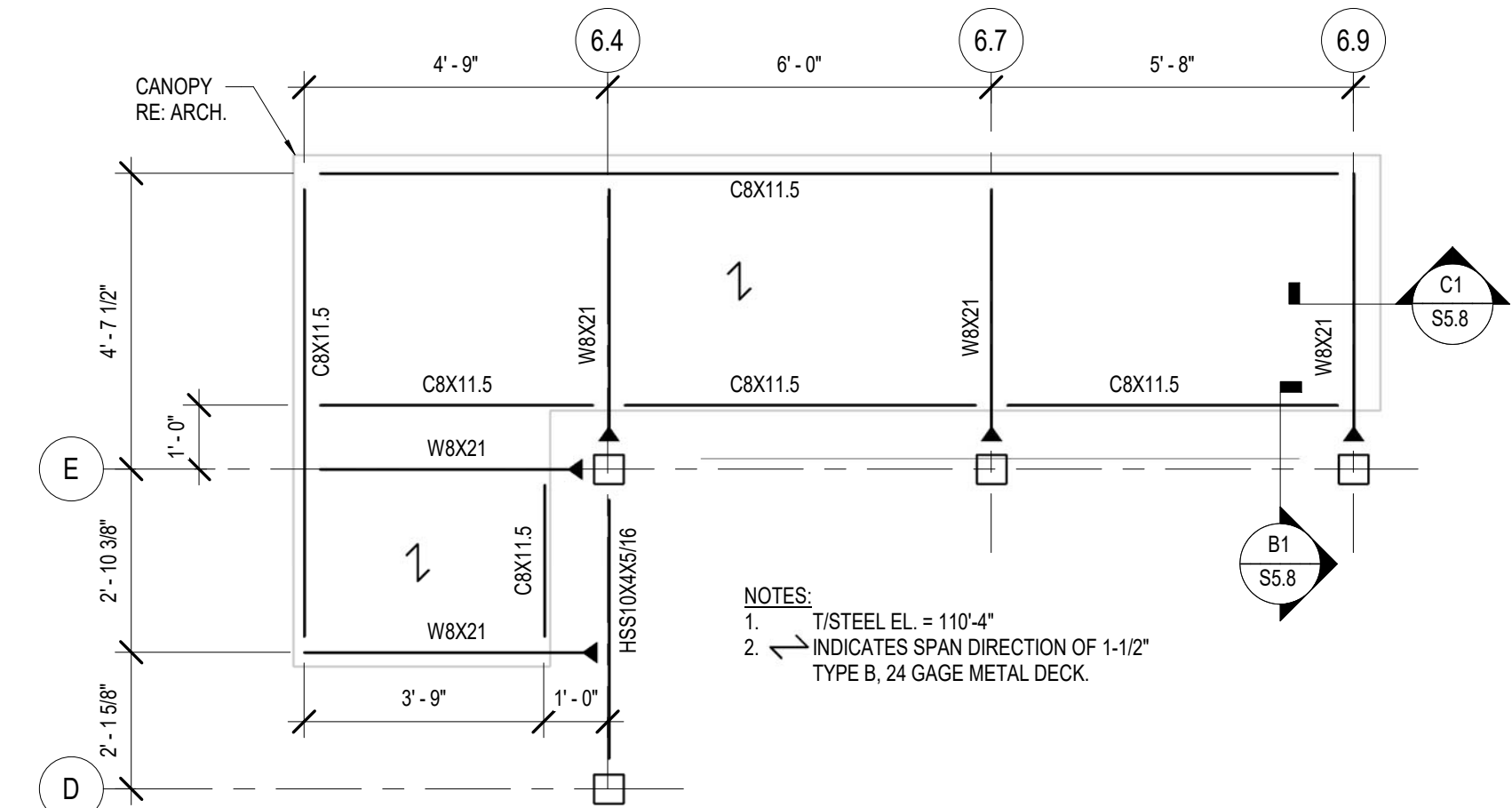
D5 ENLARGED PLAN
3/8" = 1'-0"



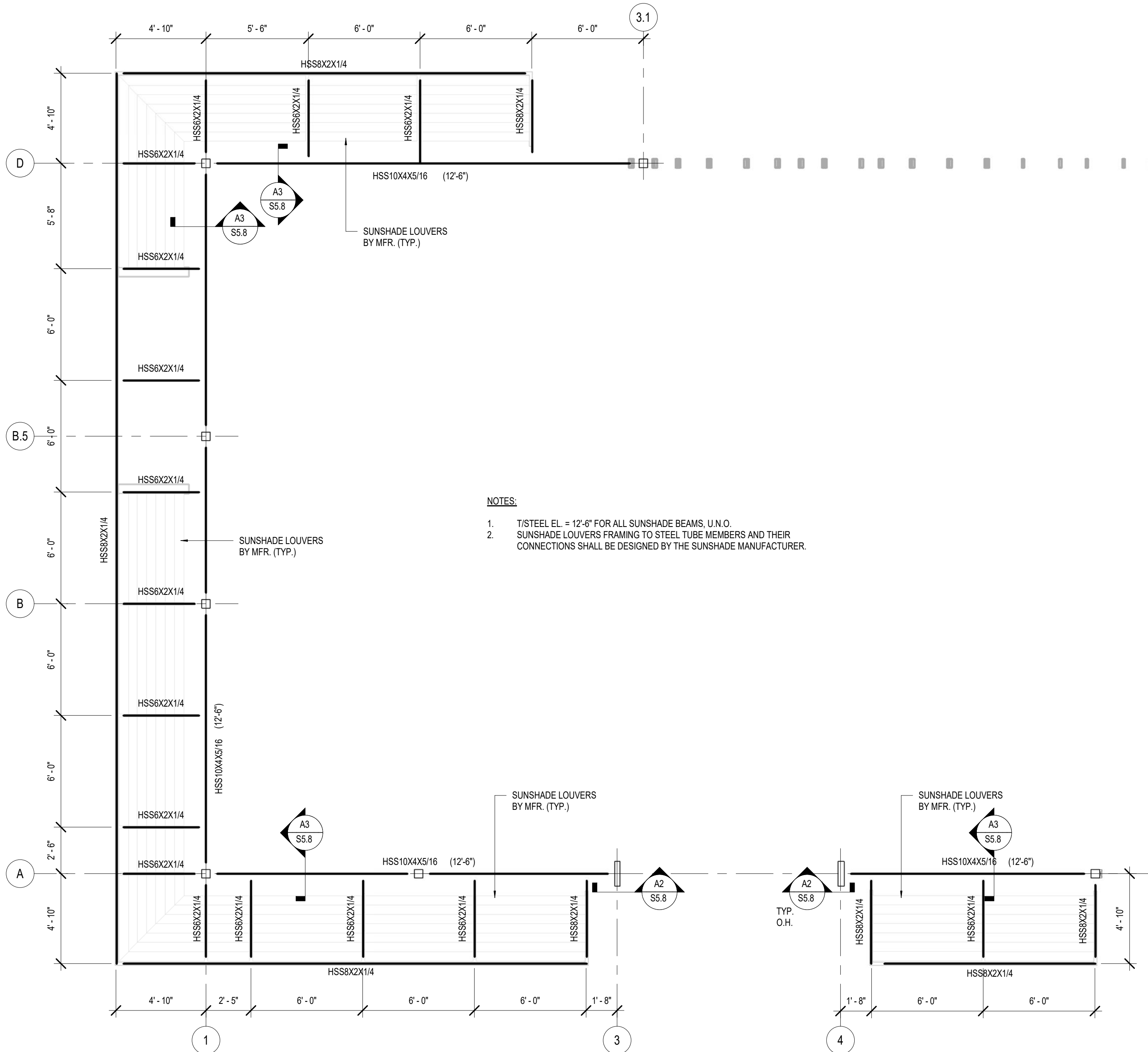
C1 ENLARGED PLAN
3/8" = 1'-0"



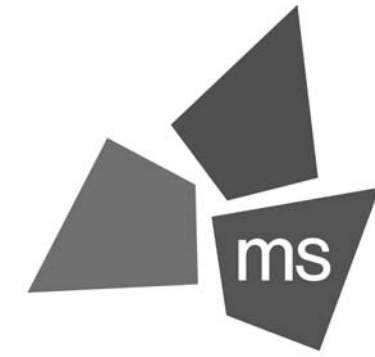
B1 ENLARGED PLAN
3/8" = 1'-0"



A1 ENLARGED PLAN
3/8" = 1'-0"



A3 SUNSHADE FRAMING PLAN
1/4" = 1'-0"



ms consultants, inc.
engineers, architects, planners
2221 Schrock Road
Columbus, Ohio 43229
p 614.898.7100
f 614.898.7570
www.msconsultants.com

WHATABURGER PROTOTYPE 20-M

NE Douglas St & St. Luke's Blvd
Lee's Summit, Missouri



NOTICE: THIS ARCHITECTURAL AND ENGINEERING
DRAWING IS GIVEN IN CONFIDENCE AND SHALL BE USED
ONLY PURSUANT TO THE AGREEMENT WITH THE
ARCHITECT. NO OTHER USE, DISSEMINATION, OR
DUPLICATION MAY BE MADE WITHOUT PRIOR WRITTEN
CONSENT OF THE ARCHITECT. ALL COMMON LAW RIGHTS
OF COPYRIGHT AND OTHERWISE ARE HEREBY
SPECIFICALLY RESERVED.



PROFESSIONAL OF RECORD:
Craig E. Metzger No 2019031268
Exp Date: 12/31/21

REV	DESCRIPTION	DATE
1	Issued for Bid/Permit	12/21/20

Project No.: 40497-01

Client Project No.:

Drawing Title:

ENLARGED PLANS

Date: 10/30/2020 Phase: BID/PERMIT

Designed: CEM

Drawn: CLS

Checked: CEM

Drawing No.:

S5.9