



7931 LAPEER RD DAVISON, MI 48423

PROJECT GENERAL NOTES

- A. ALL WORK SHALL CONFORM TO THE 2014 EDITION OF THE INTERNATIONAL BUILDING CODE, AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REGULATIONS OF THE CITY OF DAVISON.
- B. IT IS INTENDED THAT A COMPLETE OCCUPIABLE BUILDING PROJECT IS PROVIDED.
- C. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (A.I.A. A201 LATEST EDITION) ARE A PART OF THESE CONTRACT DOCUMENTS. A COPY IS ON FILE AT THE ARCHITECTS OFFICE.
- D. DRAWINGS ARE BASED ON A SURVEY, DATED MAY 17, 2018 PREPARED BY KEM-TEC & ASSOCIATES, AND IS INCLUDED IN THESE DOCUMENTS.
- E. THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A GEOTECHNICAL INVESTIGATION DATED MAY 8, 2015 BY CARDNO. THE REPORT IS PART OF THESE CONTRACT DOCUMENTS, AND THE CONTRACTOR IS RESPONSIBLE FOR CARRYING OUT ITS RECOMMENDATIONS, THOUGH SOME MAY NOT BE SPECIFICALLY DETAILED ON THE PLANS.
- F. DO NOT SCALE THESE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY DISCREPANCIES IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO STARTING WORK.
- G. ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE YUM BRANDS CONSTRUCTION MANAGER, IN WRITING, PRIOR TO INSTALLATION.
- H. RETAIN THE PROJECT GEOTECHNICAL ENGINEER TO PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING (INCLUDING UTILITY TRENCHES) AND FOUNDATION PHASE OF CONSTRUCTION AS RECOMMENDED IN THE GEOTECHNICAL REPORT. ALL TESTING AND INSPECTION REPORTS, INCLUDING FINAL SUMMATION LETTER, SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND OWNER. G.C. SHALL CERTIFY PAD ELEVATION PRIOR TO START OF FOUNDATION WORK.
- I. SUBMIT PAY FEES AND OBTAIN ALL PERMITS ASSOCIATED WITH THE PROJECT EXCEPT GENERAL BUILDING PERMIT. THIS INCLUDES, BUT IS NOT LIMITED TO ELECTRICAL, MECHANICAL, PLUMBING, FIRE SPRINKLER, HOOD ANSUL, OR OTHER RELATED FIRE PERMITS, ENCROACHMENT PERMIT, ETC. YUM BRANDS WILL PAY FOR "CONNECTION FEES" ASSOCIATED WITH UTILITY PERMITS. PAY FOR TEMPORARY FACILITIES FEES AS REQUIRED TO COMPLETE THE WORK IN A TIMELY MANNER.
- J. PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION.
- K. ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT CLEAR.
- L. GC SHALL SUPPLY AND INSTALL ALL ASPECTS OF THE PROJECT DESCRIBED IN THIS DRAWING SET UNLESS OTHERWISE NOTED. SEE SCOPE OF WORK FOR EXCEPTIONS.
- M. GRAPHIC AND WRITTEN INFORMATION ON DRAWINGS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION.

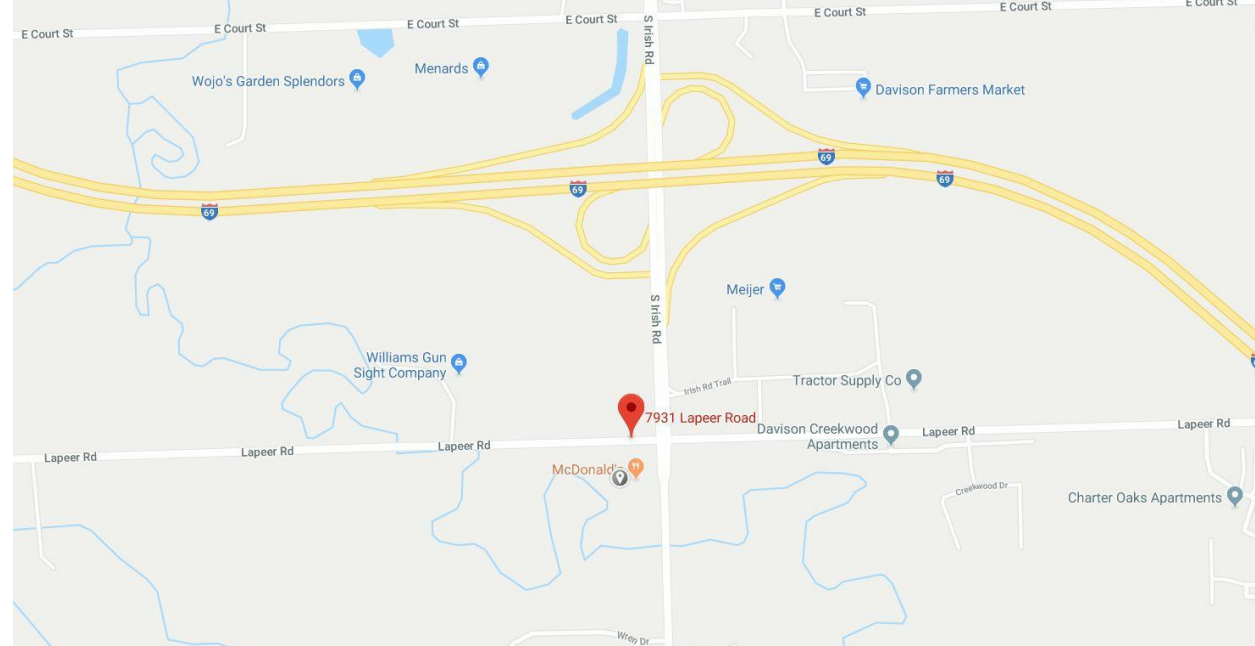
REFERENCE SYMBOLS

	ROOM NAME		DETAIL NUMBER
	SHEET NUMBER		DETAIL SHEET
	ELEVATION NUMBER		DOOR NUMBER
	CEILING HEIGHT		WINDOW NUMBER / DECOR ITEM NUMBER
	BLDG. SECTION LETTER		EXTERIOR WALL FINISH NUMBER
	BLDG. SECTION SHEET		KEY NOTE
	DIRECTION OF DETAIL		EQUIPMENT NUMBER
	DETAIL SHEET		ROOM FINISH NUMBER
	REVISION NUMBER		INTERIOR ELEVATION DESIGNATION
	BLDG. HEIGHT REFERENCE POINT		SHEAR WALL TYPE (STRUCTURAL)
			EQUIPMENT / FIXTURE NUMBER (M.E.P.)
			INDICATES SUSTAINABLE DESIGN

SIGN. SEE ELEVATIONS

REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SHEETS FOR SPECIFIC SYMBOLS

VICINITY MAP



PROJECT SUMMARY

LEGAL JURISDICTION: CITY OF DAVISON
 BUILDING CODE: 2015 MICHIGAN BUILDING CODE
 MECHANICAL CODE: 2012 INTERNATIONAL MECHANICAL CODE
 PLUMBING CODE: 2014 MICHIGAN PLUMBING CODE
 ELECTRICAL CODE: 2017 NEC
 FIRE CODE: 2012 IFC
 ENERGY CODE: 2015 IECC WITH AMENDMENTS
 HEALTH CODE: MICHIGAN PUBLIC HEALTH CODE
 ACCESSIBILITY: ANSI A117.1
 BUILDING AREA: 1,900 SF (GROSS)
 SEATING: 52 (40 INTERIOR, 12 EXTERIOR)
 OCCUPANCY: A2
 TYPE CONSTRUCTION: TYPE VB
 # PHONE LINES: 25 PAIR CABLE IN 2" CONDUIT
 ELECTRIC SERVICE: 600 AMPS / 3 PHASE / 120-208 VOLT
 GAS: 736,000 BTUH

PROJECT SCOPE INCLUDES ONE (1) ALTERNATE BID ITEM (SEE SHEETS LABELED 'ALTERNATE BID'):
 BASE BID: G.C.-BUILT TOWER
 ALTERNATE BID: PRE-FAB TOWER ON G.C.-BUILT WALL FRAMING/BACKUP

DESIGN CRITERIA

WIND SPEED: 115 M.P.H. 3SGVLT / EXPOSURE B
 SEISMIC DESIGN CATEGORY: B
 ROOF LIVE LOAD: 20 P.S.F.

LEGAL DESCRIPTION

REFER TO CIVIL DRAWINGS

PROJECT DIRECTORY

OWNER YUM! BRANDS, INC. 1900 COLONEL SANDERS LANE LOUISVILLE, KY 40213 CONTACT: SUE HARROD PHONE: 502-874-8584	ARCHITECT GPD GROUP PROFESSIONAL CORPORATION 520 SOUTH MAIN ST, SUITE 2531 AKRON, OH 44311 CONTACT: MATT YANDA PHONE: 330-572-2484
CONSTRUCTION MANAGER TACO BELL OF AMERICA 104 LISA COURT MCMURRY, PA 15317 CONTACT: CLINT LANGLEY PHONE: 724-263-7757	STRUCTURAL ENGINEER GPD GROUP PROFESSIONAL CORPORATION 520 SOUTH MAIN ST, SUITE 2531 AKRON, OH 44311 CONTACT: MATT YANDA PHONE: 330-572-2484
CIVIL ENGINEER GPD GROUP PROFESSIONAL CORPORATION 520 SOUTH MAIN ST, SUITE 2531 AKRON, OH 44311 CONTACT: MATT YANDA PHONE: 330-572-2484	MECH. / ELEC. ENGINEER GPD GROUP PROFESSIONAL CORPORATION 520 SOUTH MAIN ST, SUITE 2531 AKRON, OH 44311 CONTACT: MATT YANDA PHONE: 330-572-2484
GEOTECHNICAL ENGINEER CARDNO 46555 HUMBOLDT DRIVE NOVI, MICHIGAN 48377 CONTACT: KARA GRISAMER PHONE: 248-669-5140	LANDSCAPE ARCHITECT GPD GROUP PROFESSIONAL CORPORATION 520 SOUTH MAIN ST, SUITE 2531 AKRON, OH 44311 CONTACT: MATT YANDA PHONE: 330-572-2484

UTILITY CONTACTS

SEWER GENESEE COUNTY DRAIN COMMISSION - DIVISION OF WATER & WASTE SERVICES G-4610 BEECHER RD, FLINT, MI 48532 CONTACT: LYNETTE MEINZ PHONE: 810.732.7870	TELEPHONE AT&T CONTACT: ED HOFFMAN PHONE: 248-456-0830
WATER GENESEE COUNTY DRAIN COMMISSION - DIVISION OF WATER & WASTE SERVICES G-4610 BEECHER RD, FLINT, MI 48532 CONTACT: LYNETTE MEINZ PHONE: 810.732.7870	ROADS GENESEE COUNTY ROAD COMMISSION 211 WEST OAKLEY STREET FLINT, MI 48503-3995 CONTACT: CORY JARBEAU PHONE: 810-767-4920
GAS CONSUMERS ENERGY CONTACT: GABRIEL POLETTI PHONE: 810-760-3485	TRASH SERVICE STREET ADDRESS CITY, STATE ZIP CODE CONTACT: PHONE:
ELECTRIC CONSUMERS ENERGY CONTACT: GABRIEL POLETTI PHONE: 810-760-3485	HEALTH GENESEE COUNTY HEALTH DEPARTMENT 630 S SAGINAW STREET, SUITE 4 FLINT, MI 48502 CONTACT: JEFF KOST PHONE: 810-257-3847

SHEET INDEX

Sheet Number	Sheet Name
1 - TITLE	
T1.0	TITLE SHEET
T2.0	LIFE SAFETY PLAN
G1.0	YUM GREEN CHECKLIST
G2.0	TRASH ENCLOSURE DETAILS
3 - STRUCTURAL	
S1.1	FOUNDATION PLAN - ALTERNATE BID
S3.1	ROOF FRAMING PLAN - ALTERNATE BID
S4.6	STRUCTURAL SECTIONS - ALTERNATE BID
S1.0	FOUNDATION PLAN
S2.0	WALL FRAMING PLAN
S3.0	ROOF FRAMING PLAN
S4.0	STRUCTURAL DETAILS FOUNDATION
S4.1	STRUCTURAL DETAILS FRAMING
S4.2	STRUCTURAL DETAILS ROOF
S4.3	STRUCTURAL DETAILS
S4.4	STRUCTURAL SECTIONS
S4.5	STRUCTURAL SECTIONS
S5.0	CANOPY/AWNING BLOCKING ELEVATIONS
4 - ARCHITECTURE	
A1.0	FLOOR PLAN
A1.1	DOOR AND WINDOW SCHEDULE
A1.2	FLOOR PLAN - ALTERNATE BID
A2.0	SEATING AND EQUIPMENT PLAN
A2.1	EQUIPMENT SCHEDULE
A2.2	EQUIPMENT SCHEDULE
A3.0	ROOF PLAN
A3.1	ROOF PLAN - ALTERNATE BID
A4.0	EXTERIOR ELEVATION
A4.1	EXTERIOR ELEVATIONS
A4.2	COLOR ELEVATIONS
A5.0	BUILDING SECTIONS
A5.1	BUILDING SECTIONS
A5.2	WALL SECTIONS
A5.3	WALL SECTIONS
A5.4	WALL SECTIONS
A6.0	CONSTRUCTION PLAN DETAILS
A6.1	CONSTRUCTION DETAILS - WALL
A6.2	CONSTRUCTION DETAILS ROOF
A6.3	CONSTRUCTION DETAILS - DOORS
A6.4	CONSTRUCTION DETAILS - WINDOWS
A6.5	FINISH DETAILS
A6.6	MISCELLANEOUS DETAILS
A7.0	FLOOR FINISH PLAN
A7.1	REFLECTED CEILING PLAN
A7.2	FINISH SCHEDULE
A8.0	INTERIOR ELEVATIONS - DINING
A8.1	INTERIOR ELEVATIONS - DINING
A8.2	INTERIOR ELEVATIONS - KITCHEN & BOH
A8.3	RESTROOMS - ENLARGED PLAN & ELEVATIONS
A8.4	KITCHEN DETAILS
5 - ACCESSIBILITY	
ADA1.0	ACCESSIBILITY REQUIREMENTS
ADA1.1	ACCESSIBILITY REQUIREMENTS
6 - MECHANICAL	
M1.0	MECHANICAL SCHEDULES AND NOTES
M2.0	DUCT AND DIFFUSER PLAN
M2.1	MECHANICAL ROOF PLAN
M3.0	HOOD DRAWINGS PLANS AND SECTIONS
M4.0	MECHANICAL AND HOOD DETAILS
7 - PLUMBING	
P1.0	PLUMBING SCHEDULES AND NOTES
P2.0	WASTE AND VENT PLAN
P3.0	WATER AND GAS PLAN
P4.0	PLUMBING ROUGH-IN PLAN
P5.0	RISER DIAGRAMS
P6.0	PLUMBING DETAILS
8 - ELECTRICAL	
E1.0	SITE ELECTRICAL PLAN
E2.0	ELECTRICAL ONE LINE DIAGRAMS AND LEGEND
E2.1	ELECTRICAL SCHEDULES
E2.2	ELECTRICAL SCHEDULES
E3.0	ELECTRICAL POWER PLAN
E3.1	ENLARGED POWER PLAN AND DETAILS
E3.2	ELECTRICAL POWER ROOF PLAN
E3.3	ELECTRICAL DIMENSIONS PLAN
E4.0	LIGHTING PLAN AND DETAILS
E5.0	COMMUNICATIONS PLAN
E6.0	TBCCB DETAILS
E6.1	TBCCB DETAILS
E6.2	TBCCB DETAILS
E7.0	ELECTRICAL DETAILS
9. SCOPE OF WORK	
SW1.0	SCOPE OF WORK MATRIX



08.21.19	Issued for Construction

CONTRACT DATE:
 BUILDING GROUP: T40M-O
 FLOOR PLAN: ME - T40
 REVISION DATE:
 SITE NUMBER:
 STORE NUMBER:

TACO BELL

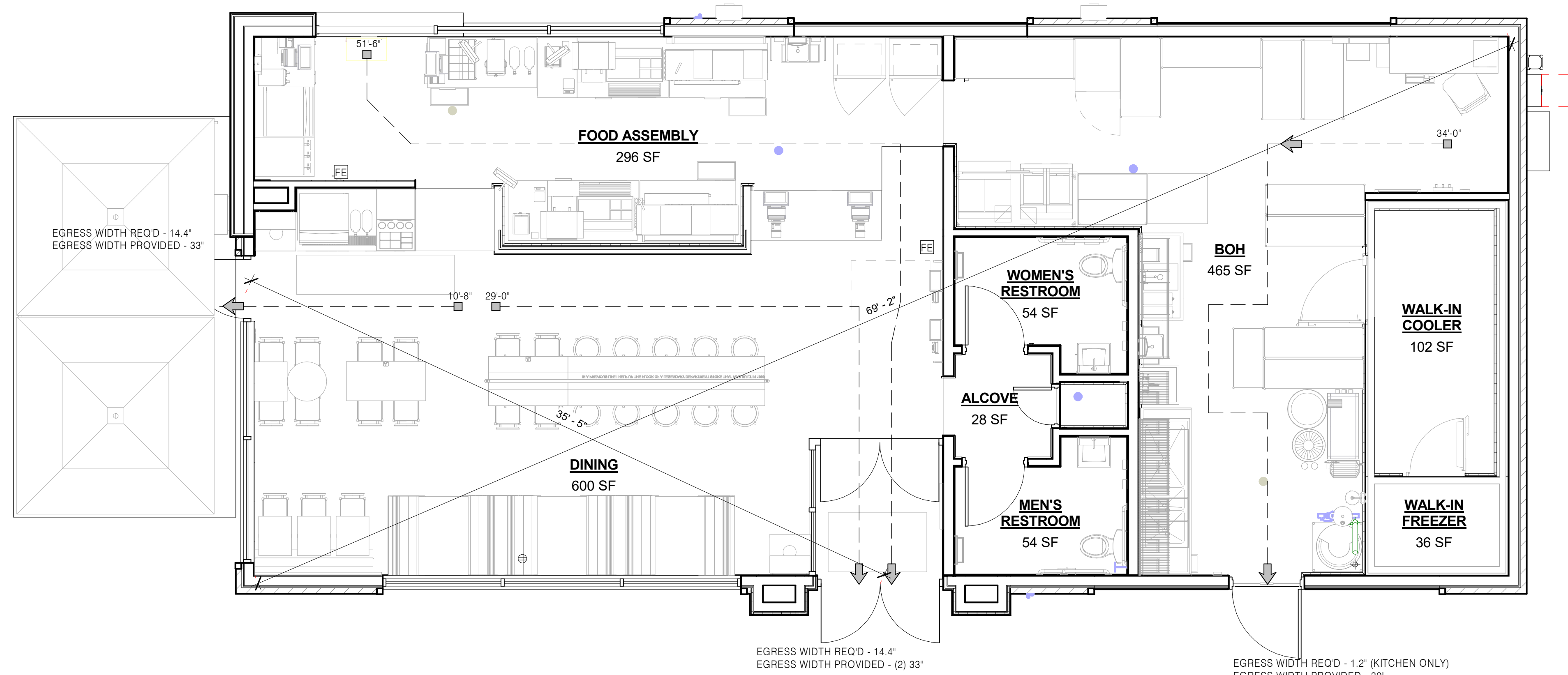
7931 LAPEER RD
 DAVISON, MI 48423

T40

TITLE SHEET

T1.0

PLOT DATE: 8/21/2019 2:31:14 PM



08.21.19	Issued for Construction

LIFE SAFETY PLAN 1/4" = 1'-0" **A**

CONTRACT DATE:
BUILDING GROUP: T40M-O
FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

TACO BELL
7931 LAPEER RD
DAVISON, MI 48423



LIFE SAFETY PLAN

T2.0

PLOT DATE: 8/21/2019 2:31:19 PM

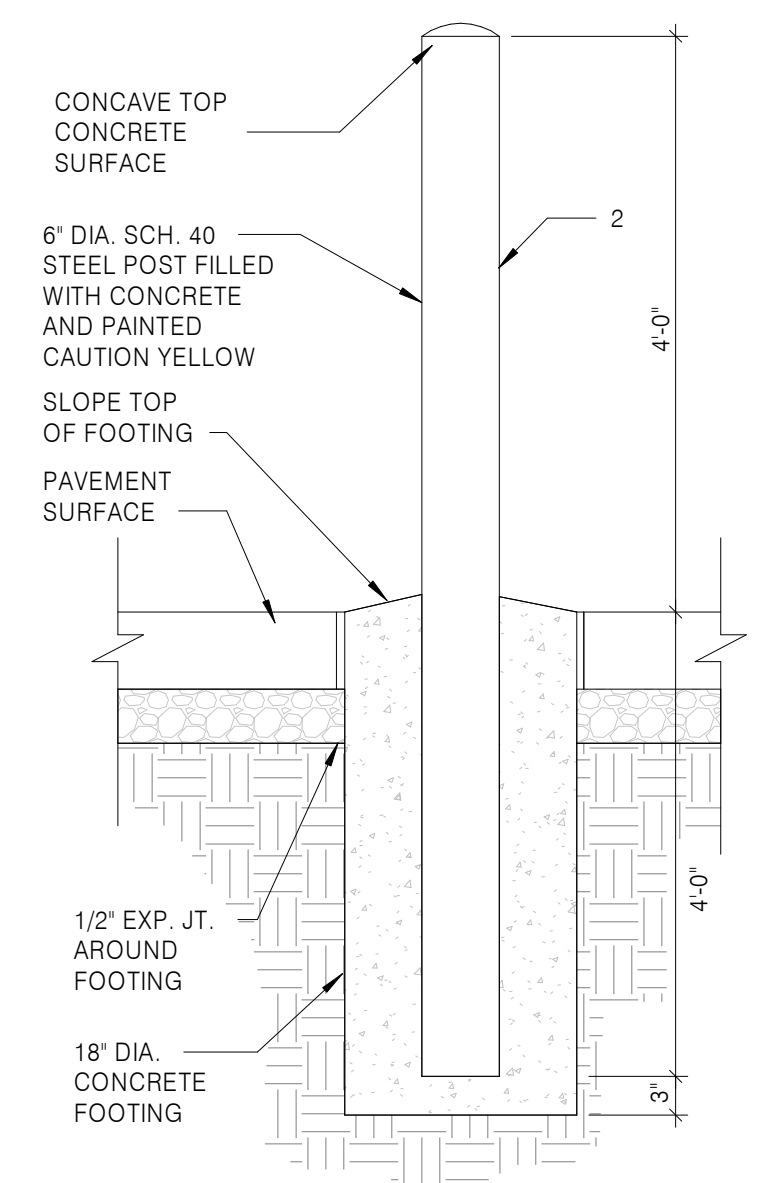
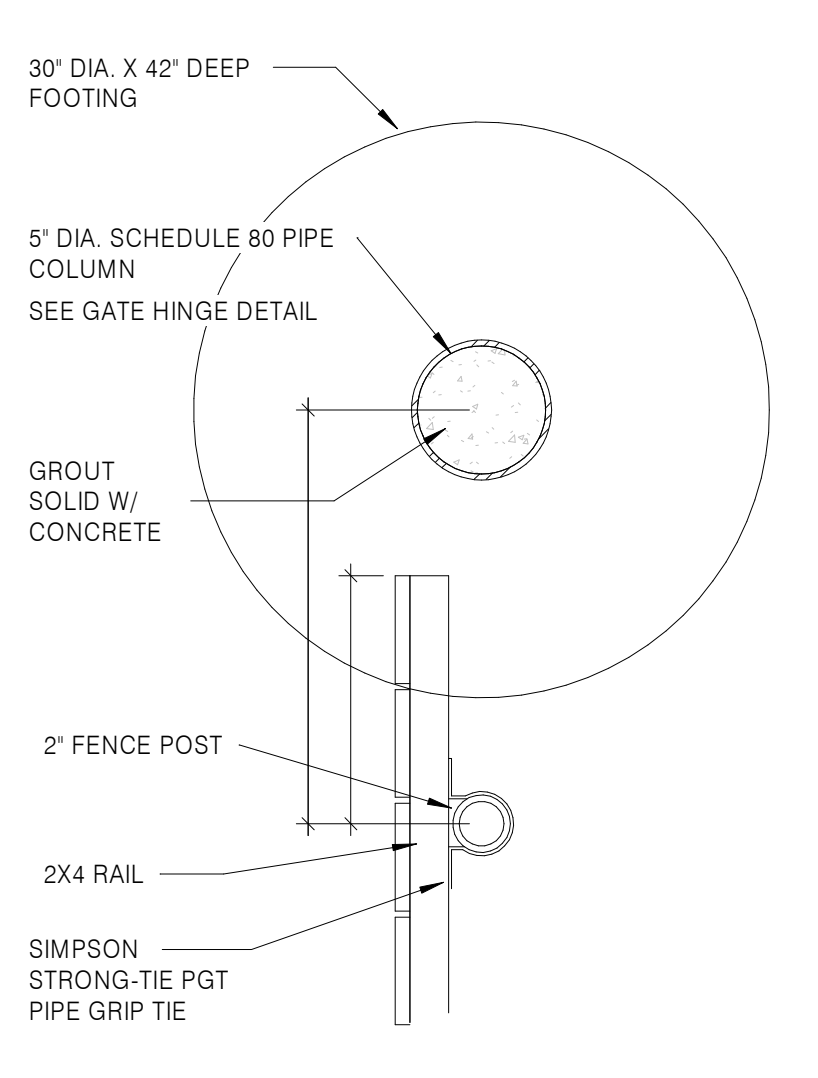
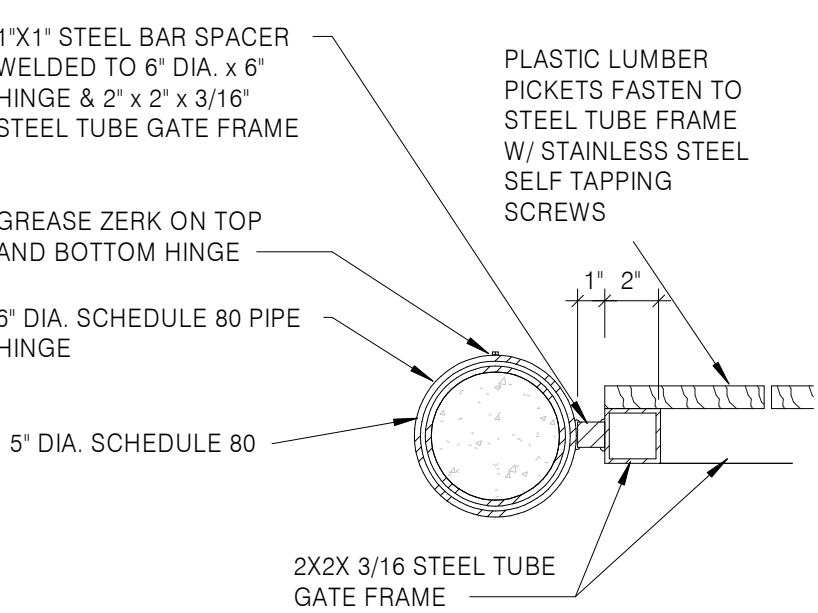
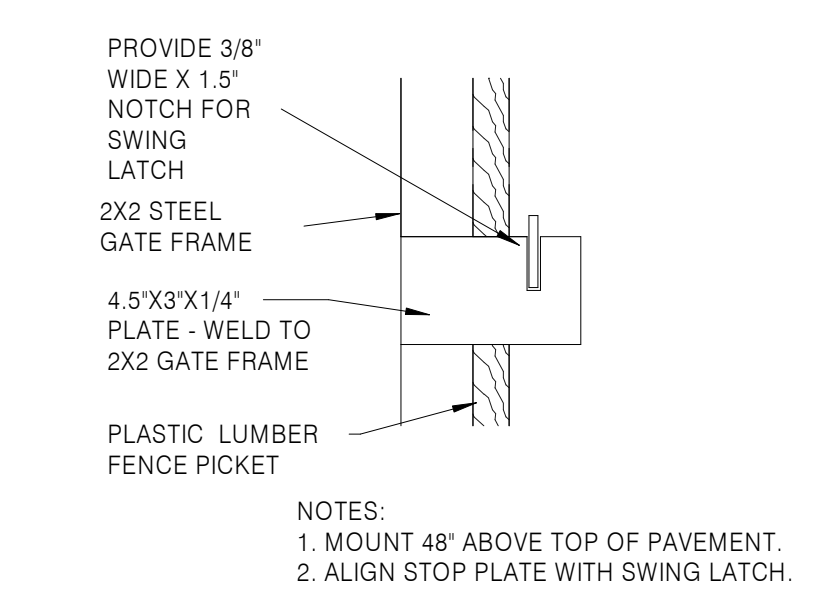
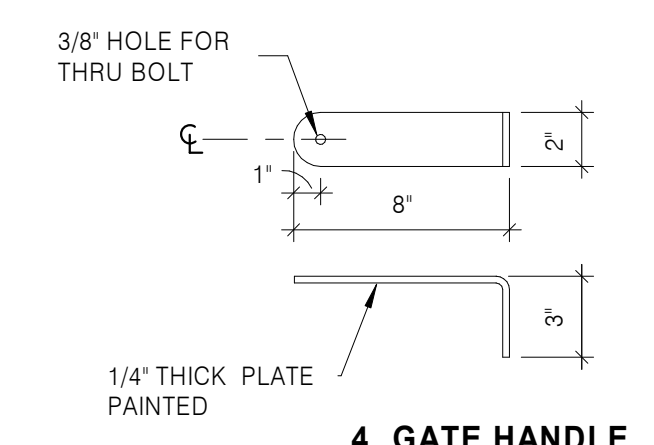
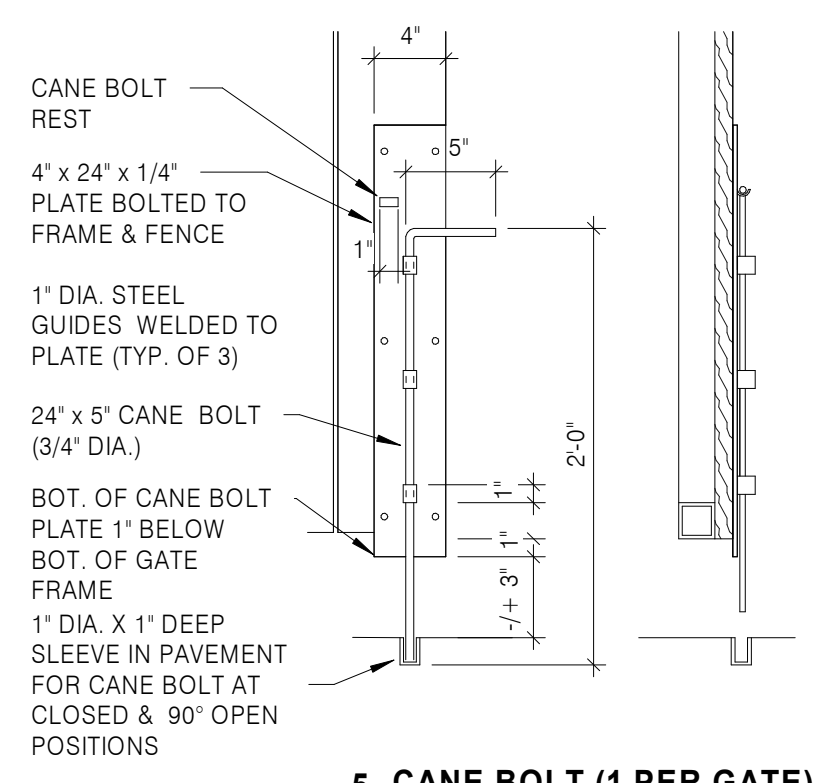
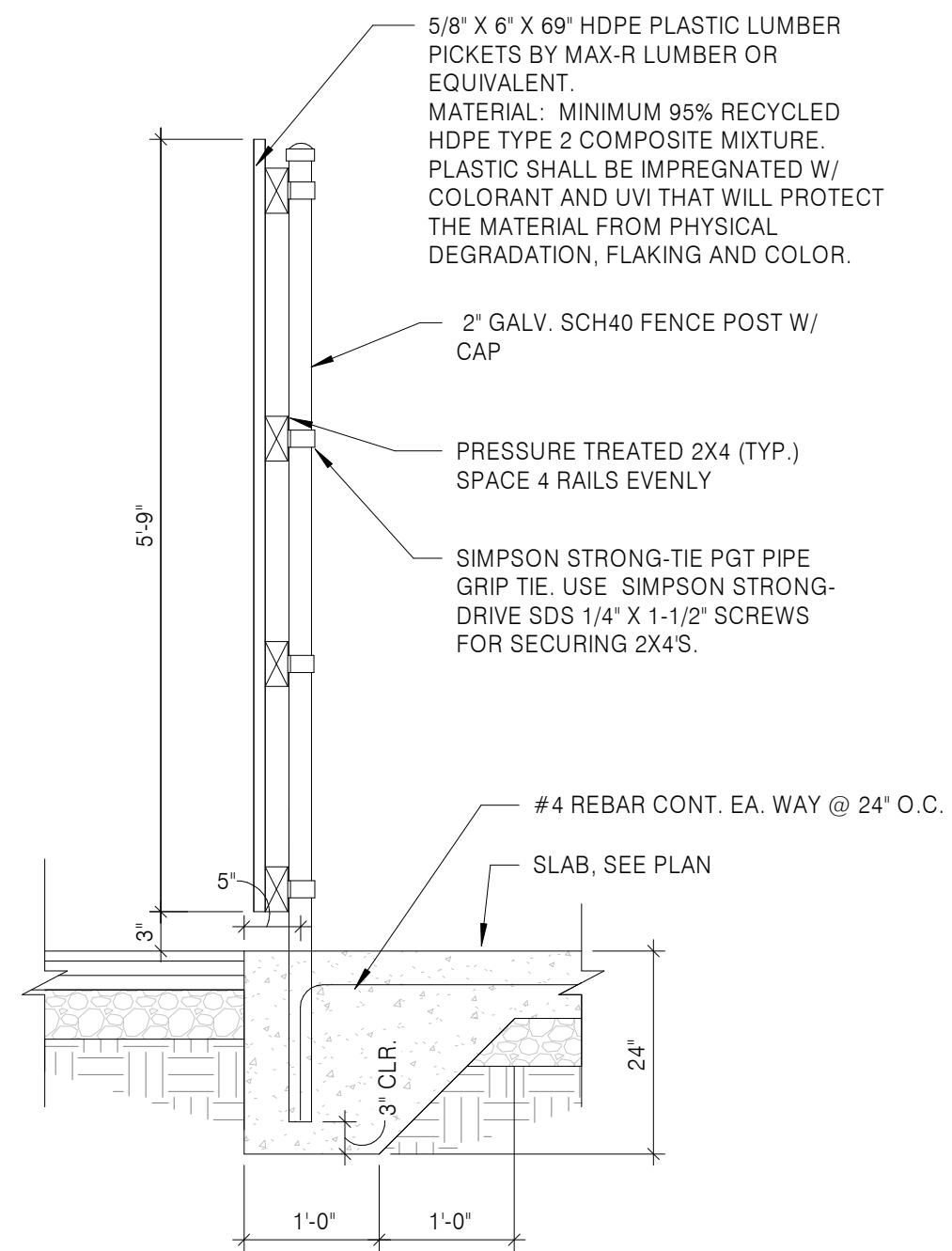
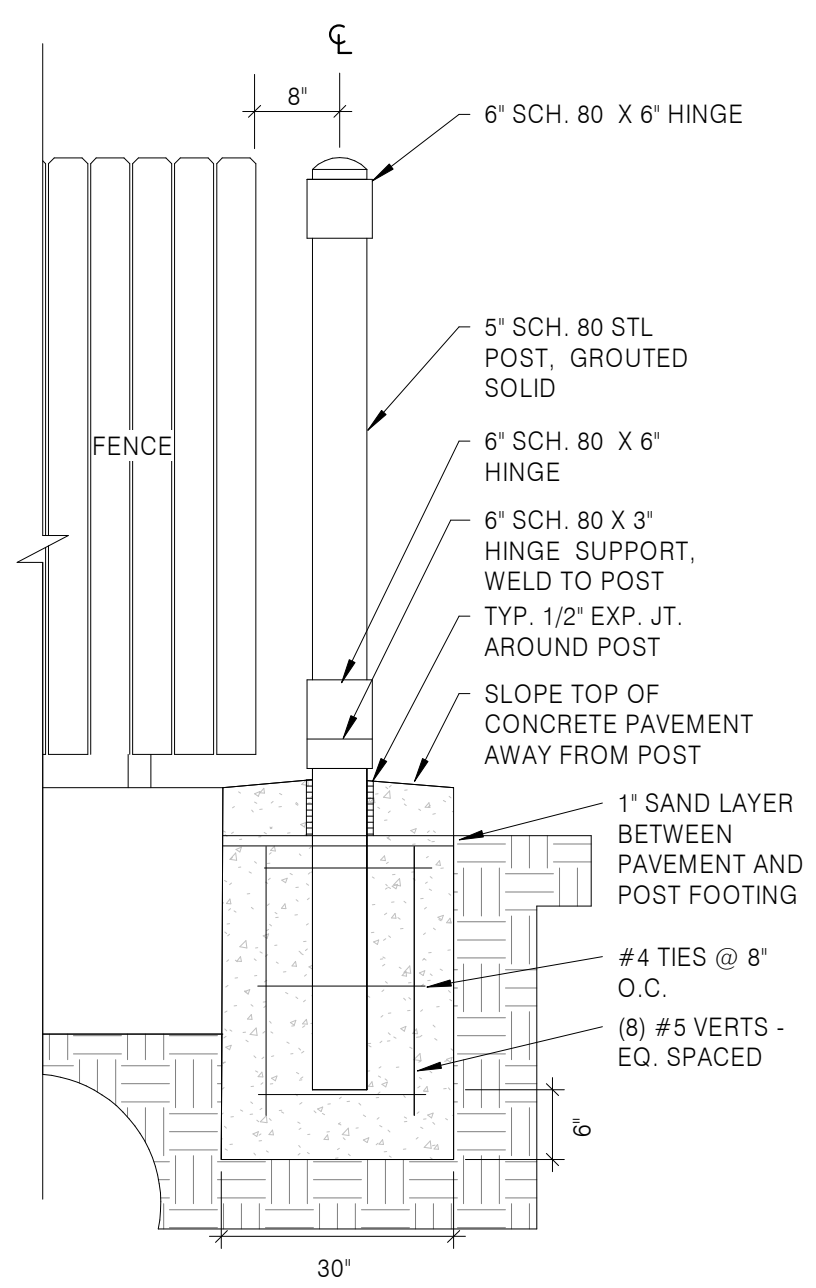
- ← EMERGENCY EXIT
- TRAVEL DISTANCE
- ⊗ EXIT SIGNS

1,900 GROSS SF (BUILDING)

SPACE	AREA	LOAD FACTOR	OCCUPANTS
ASSEMBLY (UNCONCENTRATED)	600 SF	15 NET	40
KITCHEN (COMMERCIAL)	296 SF	200 GROSS	2
STORAGE/BOH/CIRCULATION	786 SF	300 GROSS	3
TOTAL	1,682 SF		45 OCCUPANTS

LIFE SAFETY LEGEND **1**

OCCUPANT LOAD CALCULATIONS **B**



GATE COLUMN FOOTING N.T.S. **H**

ENCLOSURE NOTES N.T.S. **G**

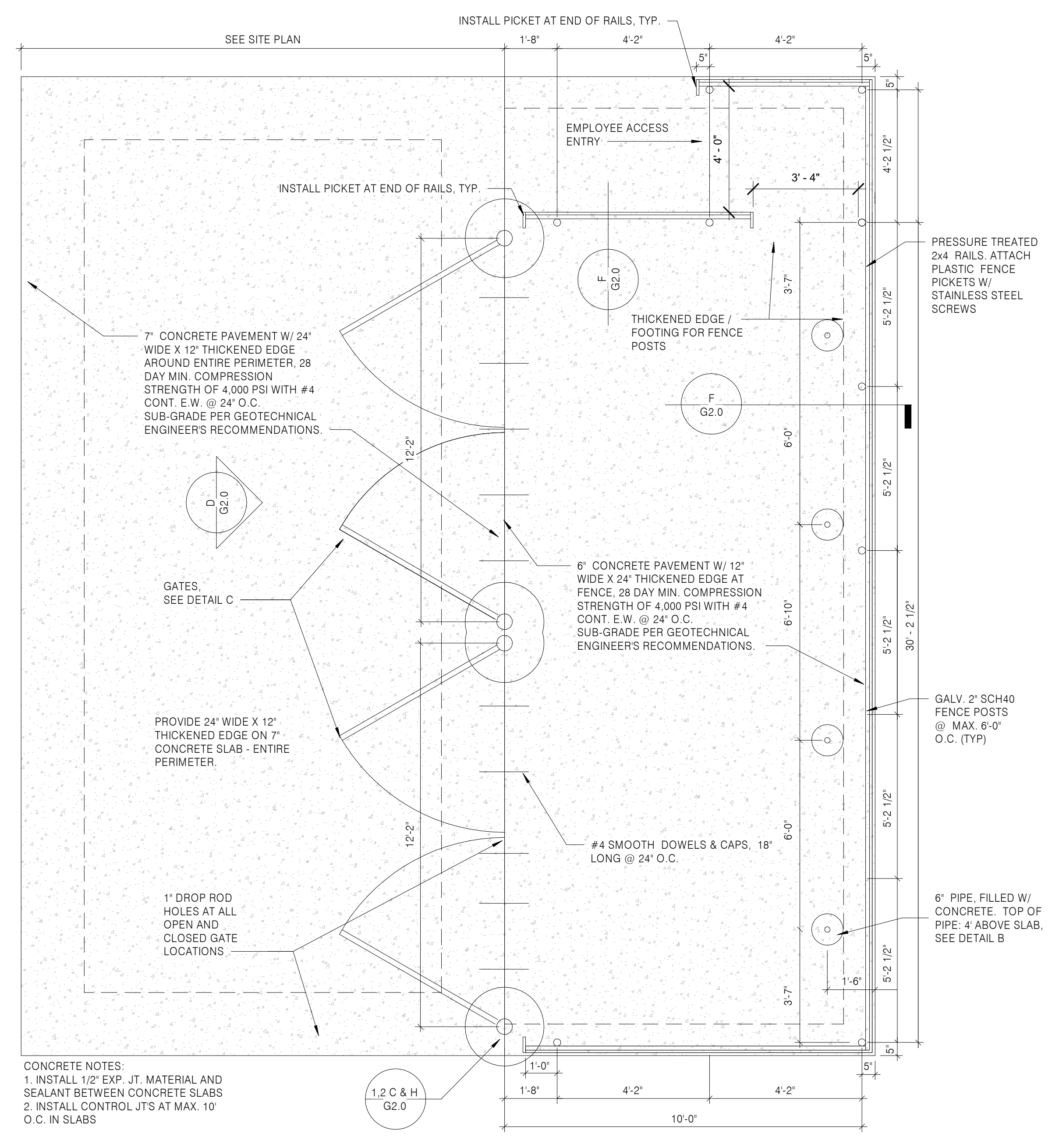
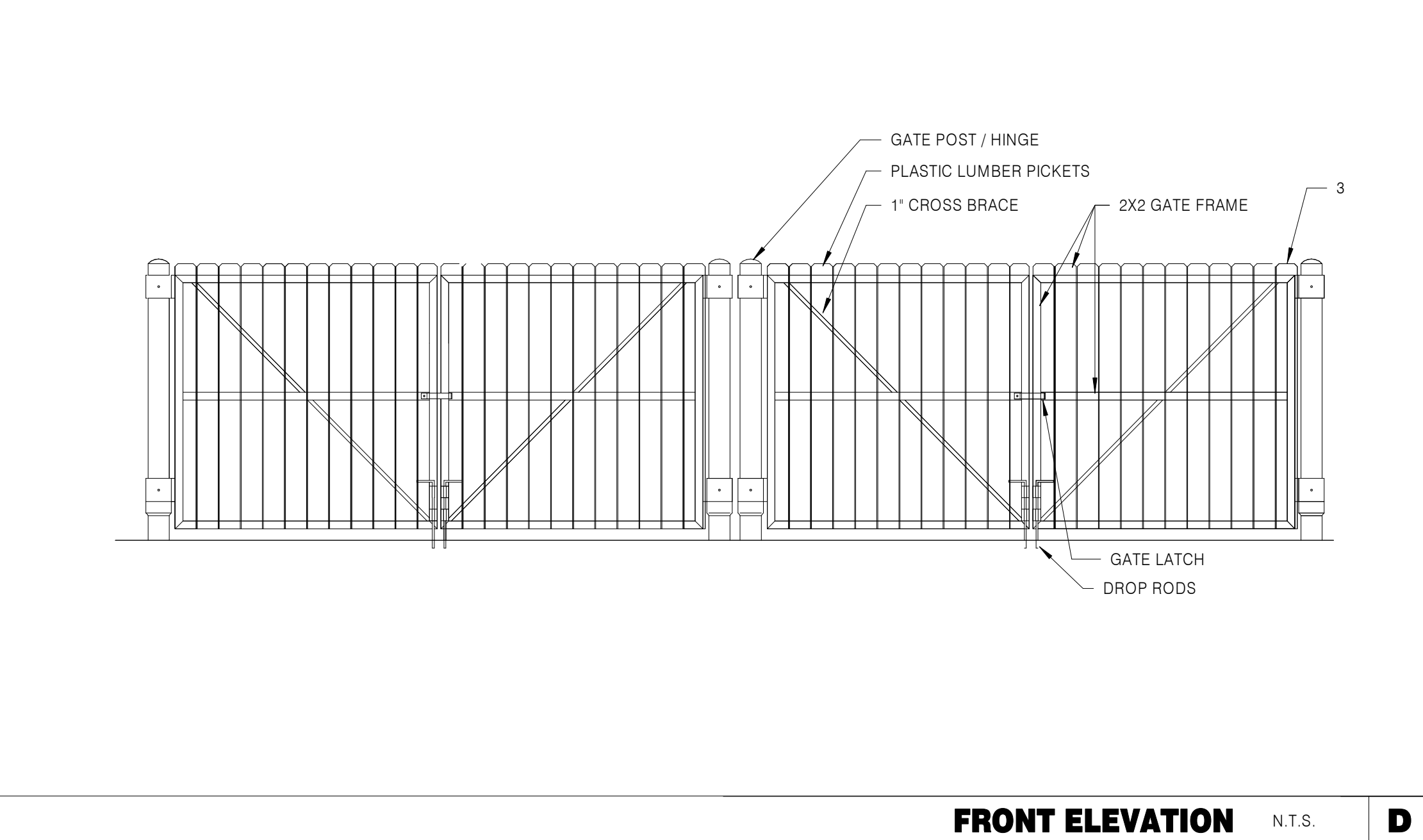
GATE HARDWARE: ALL HARDWARE AND ACCESSORIES SHALL BE HEAVY GALVANIZED.

GATE STOP: MUSHROOM TYPE OR FLUSH PLATE WITH ANCHORS SET IN CONCRETE TO ENGAGE THE CENTER DROP ROD OR PLUNGER BAR.

GATE NOTES: (4) EQUAL WIDE x 6-0\"/>

SYMBOLS	AREA	MANUFACTURE	COLOR
1	GATE COLOR	SHERWIN WILLIAMS	SW 7048, URBANE BRONZE
2	PIPE BOLLARDS	SHERWIN WILLIAMS	CAUTION YELLOW
3	HOPE LUMBER	MAX-R	LIGHT BROWN WITH TEXTURE

SCHEDULE N.T.S. **E**



DUMPSTER PLAN N.T.S. **A**

CONCRETE NOTES:
 1. INSTALL 1/2\"/>

DATE	DESCRIPTION
08.21.19	Issued for Construction

CONTRACT DATE:
 BUILDING GROUP: T40M-O
 FLOOR PLAN: ME - T40
 REVISION DATE:
 SITE NUMBER: 313076
 STORE NUMBER: 2018088.30

TACO BELL
 7931 LAPEER RD
 DAVISON, MI 48423

T40

TRASH ENCLOSURE DETAILS

G2.0

IMPROVEMENT PLANS

TACO BELL

7931 LAPEER RD
DAVISON, MI 48423



COUNTY: GENESSEE COUNTY
JURISDICTION: DAVISON TOWNSHIP
SECTION NUMBER: 18

SURVEYOR'S NOTES:
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPROMISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES OTHER THAN THE STRUCTURE INVENTORY SHOWN HEREON.

GCDC-WWS CONTRACTOR ALERT STATEMENT:
THIS PROJECT HAS BEEN DESIGNED IMPLEMENTING THE LATEST GCDC-WWS DESIGN SPECIFICATIONS (7TH EDITION). CAREFULLY REVIEW THE NOTES, DETAILS, AND DESIGN PRIOR TO SUBMITTING A BID. FULL COMPLIANCE WITH THE STANDARDS WILL BE REQUIRED.

INDEX OF DRAWINGS

CIVIL TITLE SHEET	T-001
A.L.T.A. SURVEY	-
GENERAL NOTES	C-001
GCDC NOTES	C-002
OVERALL SITE PLAN	C-100
DEMOLITION PLAN	C-101
SITE PLAN	C-111
GRADING PLAN	C-121
SWPP NOTES	C-131
SWPP PLAN	C-132
SWPP NOTES AND DETAILS	C-133
SWPP NOTES AND DETAILS	C-134
UTILITY PLAN	C-141
DETAILS	C-501
DETAILS	C-502
DETAILS	C-503
GCDC DETAILS	C-504
GCDC DETAILS	C-505
GCDC DETAILS	C-506
LANDSCAPE NOTES	L-001
LANDSCAPE PLAN	L-101
LANDSCAPE DETAILS	L-501

DEVELOPER INFORMATION

DEVELOPER: IRISH ROAD, LLC
CONTACT: LAITH JONNA
ADDRESS: 2360 ORCHARD LAKE RD, STE 101 SYLVAN LAKE, MI 48320
PHONE: 248-683-7355

TACO BELL INFORMATION

CORPORATION: TACO BELL OF AMERICA, LLC
CONTACT: CLINT LANGLEY
ADDRESS: 1300 COLONEL SANDERS LN LOUISVILLE, KY 40213
PHONE: 724-263-7757

TOTAL DISTURBED AREA = 0.87 ACRES

LEGAL DESCRIPTION:
LAND SITUATED IN THE TOWNSHIP OF DAVISON, COUNTY OF GENESSEE, STATE OF MICHIGAN, DESCRIBED AS:
PART OF THE SOUTHEAST 1/4 AND THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 7 NORTH, RANGE 8 EAST, TOWNSHIP OF DAVISON, GENESSEE COUNTY, MICHIGAN, BEGINNING AT THE EAST 1/4 CORNER OF SECTION 18; THENCE SOUTH 01 DEGREE 34 MINUTES 00 SECONDS EAST 202.20 FEET TO THE CENTER LINE OF LAPEER ROAD; THENCE SOUTH 88 DEGREES 29 MINUTES 00 SECONDS WEST, ALONG SAID CENTERLINE 900.00 FEET; THENCE NORTH 01 DEGREE 31 MINUTES 00 SECONDS WEST, 1271.11 FEET TO THE SOUTHERLY RIGHT OF WAY LINE OF I-69 EXPRESSWAY; THENCE ALONG SAID SOUTHERLY RIGHT OF WAY LINE SOUTH 72 DEGREES 42 MINUTES 12 SECONDS EAST, 57.79 FEET AND SOUTH 54 DEGREES 27 MINUTES 12 SECONDS EAST 499.35 FEET AND NORTH 88 DEGREES 16 MINUTES 10 SECONDS EAST 273.85 FEET AND SOUTH 46 DEGREES 43 MINUTES 50 SECONDS EAST, 99.00 FEET AND SOUTH 01 DEGREE 43 MINUTES 50 SECONDS EAST 400.00 FEET AND NORTH 88 DEGREES 16 MINUTES 10 SECONDS EAST 25.00 FEET AND SOUTH 01 DEGREE 43 MINUTES 50 SECONDS EAST 280.69 FEET (280.00 FEET MEASURED); THENCE NORTH 88 DEGREES 29 MINUTES 05 SECONDS EAST 75 FEET TO THE POINT OF BEGINNING.
BASED ON A FIELD SURVEY, ALL OF THE ABOVE IS BEING DESCRIBED AS:
PART OF THE SOUTHEAST 1/4 AND THE NORTH EAST 1/4 OF SECTION 18, TOWNSHIP 7 NORTH, RANGE 8 EAST, TOWNSHIP OF DAVISON, GENESSEE COUNTY, MICHIGAN, DESCRIBED AS FOLLOWS: BEGINNING AT THE EAST 1/4 CORNER OF SECTION 18; THENCE SOUTH 01 DEGREE 55 MINUTES 12 SECONDS EAST 202.20 FEET TO THE CENTER LINE OF LAPEER ROAD; THENCE SOUTH 88 DEGREES 09 MINUTES 35 SECONDS WEST, ALONG SAID CENTERLINE 900.00 FEET; THENCE NORTH 01 DEGREE 34 MINUTES 24 SECONDS WEST, 1275.50 FEET TO THE SOUTHERLY RIGHT OF WAY LINE OF I-69 EXPRESSWAY (WIDTH VARIES); THENCE ALONG SAID SOUTHERLY RIGHT OF WAY LINE, SOUTH 72 DEGREES 42 MINUTES 12 SECONDS EAST, 57.79 FEET AND SOUTH 54 DEGREES 27 MINUTES 12 SECONDS EAST 499.35 FEET AND NORTH 88 DEGREES 16 MINUTES 10 SECONDS EAST, 273.85 FEET AND SOUTH 46 DEGREES 43 MINUTES 50 SECONDS EAST, 99.00 FEET TO THE WESTERLY LINE OF IRISH ROAD (WIDTH VARIES); THENCE ALONG SAID WESTERLY LINE, SOUTH 01 DEGREE 43 MINUTES 50 SECONDS EAST, 400.00 FEET AND NORTH 88 DEGREES 16 MINUTES 10 SECONDS EAST, 25.00 FEET AND SOUTH 01 DEGREE 43 MINUTES 50 SECONDS EAST, 280.00 FEET; THENCE NORTH 88 DEGREES 29 MINUTES 05 SECONDS EAST, 75.00 FEET TO THE EAST 1/4 CORNER OF SAID SECTION 18 AND THE POINT OF BEGINNING.

- △ ISSUED FOR CONSTRUCTION 08.21.19
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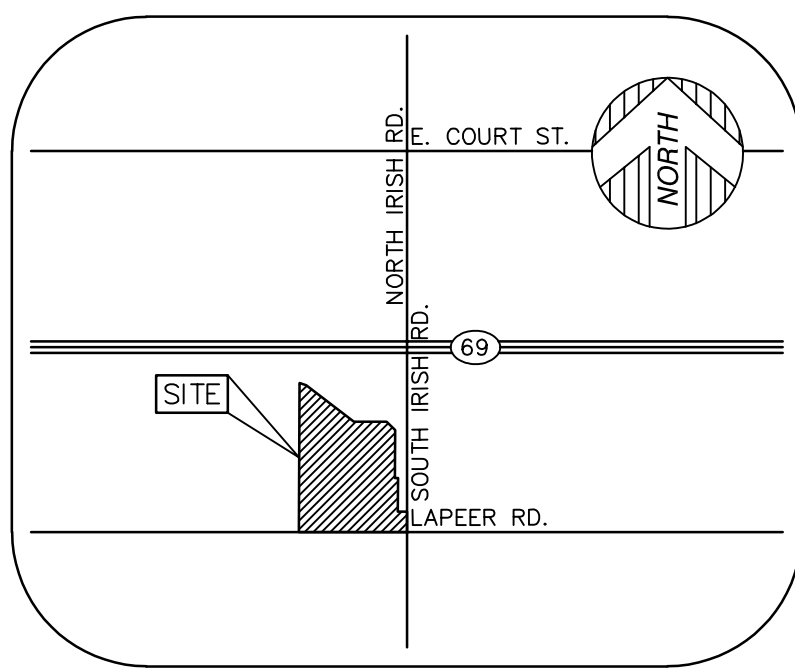
CONTRACT DATE:
BUILDING TYPE: MO T40
PLAN VERSION:
BRAND DESIGNER:
SITE NUMBER: 313076
STORE NUMBER:

TACO BELL
7931 LAPEER ROAD
DAVISON, MI 48423



CIVIL TITLE SHEET

T-001



VICINITY MAP
(NOT TO SCALE)

PARKING
NO MARKED PARKING ON SITE.

PARCEL AREA
833,301± SQUARE FEET = 19.130± ACRES

BASIS OF BEARING
SOUTH 01°43'50" EAST, BEING THE EAST LINE OF SECTION 18, TOWN 7 NORTH, RANGE 8 EAST, AS DESCRIBED.

BENCHMARK
SITE BENCHMARK #1
TOP OF NORTHWEST BOLT ON BASE OF TRAFFIC SIGNAL POLE AT SOUTHEAST PROPERTY CORNER.
ELEVATION = 777.54' (NAVD 88 DATUM).
SITE BENCHMARK #2
MAG NAIL ON SOUTH FACE OF POWER POLE BETWEEN EAST PROPERTY LINE AND SOUTH IRISH ROAD.
ELEVATION = 776.92' (NAVD 88 DATUM).

FLOOD NOTE
SUBJECT PARCEL LIES WITHIN:
OTHER AREA (ZONE X); AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN.

AS SHOWN ON FLOOD INSURANCE RATE MAP: MAP NUMBER 26049C0218D, PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

SURVEYOR'S NOTES

1. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES OTHER THAN THE STRUCTURE INVENTORY SHOWN HEREON.
2. THERE IS NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING CONDITIONS, EXCEPT AS NOTED HEREON.
3. THERE APPEARS TO BE NO DELINEATED WETLANDS ON SITE.

ZONING REGULATIONS

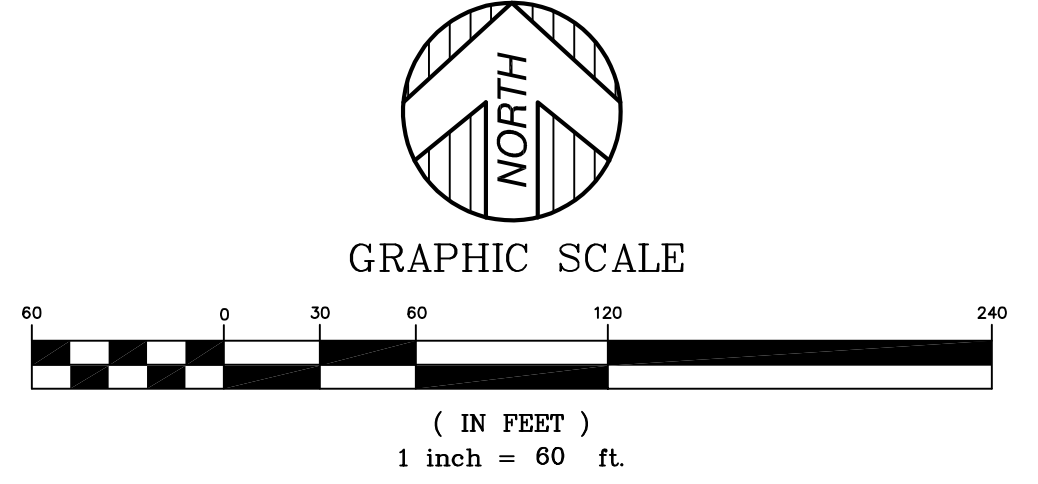
- GC- GENERAL COMMERCIAL DISTRICT
- *MINIMUM LOT AREA PER DWELLING UNIT - N/A
 - *MINIMUM USABLE OPEN SPACE IN PERCENTAGE OF LOT AREA - N/A
 - *REQUIRED SETBACK LINE MINIMUM DIMENSIONS IN FEET -
FRONT - 35 FEET
LEAST ONE SIDE - 10 FEET
TOTAL TWO SIDES - 20 FEET
REAR - 35 FEET
 - *MAXIMUM HEIGHT IN FEET - 50 FEET
 - *MAXIMUM GROSS LOT SIZE
AREA IN SQUARE FEET - N/A
WIDTH IN FEET - N/A

NOTE: ALL ZONING INFORMATION IS TAKEN FROM THE TOWNSHIP OF DAVISON WEBSITE. ALL ZONING INFORMATION MUST BE VERIFIED FOR COMPLETENESS WITH CURRENT ZONING REGULATIONS.

LEGEND

●	SET 1/2" REBAR WITH CAP P.S. 47976
○	FOUND MONUMENT (AS NOTED)
⊙	FOUND SECTION CORNER (AS NOTED)
(R&M)	RECORD AND MEASURED DIMENSION
(R)	RECORD DIMENSION
(M)	MEASURED DIMENSION
⊕	FIBER OPTICS MANHOLE
○	UTILITY POLE
○	GAS LINE MARKER
⊕	CABLE TV BOX
⊕	SANITARY MANHOLE
⊕	ROUND CATCH BASIN
⊕	SQUARE CATCH BASIN
⊕	STORM DRAIN MANHOLE
⊕	LIGHTPOST/LAMP POST
⊕	SINGLE POST SIGN
⊕	DOUBLE POST SIGN
⊕	TREE
---	PARCEL BOUNDARY LINE
---	PLATTED LOT LINE
---	ADJOINER PARCEL LINE
---	SECTION LINE
---	EASEMENT (AS NOTED)
---	EASEMENT CENTERLINE
---	RIGHT-OF-WAY
---	CENTERLINE ROAD
---	CONCRETE CURB
---	EDGE OF CONCRETE (CONC.)
---	EDGE OF ASPHALT (ASPH.)
---	FENCE (AS NOTED)
---	OVERHEAD UTILITY LINE
---	COMMUNICATION LINE
---	GAS LINE
---	SANITARY LINE
---	STORM LINE
---	WATER LINE
---	CORRUGATED METAL PIPE (OR AS NOTED)

ALTA/NSPS LAND TITLE SURVEY



GRAPHIC SCALE
(IN FEET)
1 inch = 60 ft.

PROPERTY DESCRIPTION

LAND SITUATED IN THE TOWNSHIP OF DAVISON, COUNTY OF GENESSEE, STATE OF MICHIGAN, DESCRIBED AS:
PART OF THE SOUTHEAST 1/4 AND THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 7 NORTH, RANGE 8 EAST, TOWNSHIP OF DAVISON, GENESSEE COUNTY, MICHIGAN, BEGINNING AT THE EAST 1/4 CORNER OF SECTION 18; THENCE SOUTH 01 DEGREE 34 MINUTES 50 SECONDS EAST 202.20 FEET TO THE CENTER LINE OF LAPEER ROAD; THENCE SOUTH 88 DEGREES 29 MINUTES 00 SECONDS WEST, ALONG SAID CENTERLINE 900.00 FEET; THENCE NORTH 01 DEGREE 31 MINUTES 00 SECONDS WEST, 1271.11 FEET TO THE SOUTHERLY RIGHT OF WAY LINE OF I-96 EXPRESSWAY; THENCE ALONG SAID SOUTHERLY RIGHT OF WAY LINE SOUTH 72 DEGREES 42 MINUTES 12 SECONDS EAST, 99.00 FEET AND SOUTH 01 DEGREE 43 MINUTES 10 SECONDS EAST, 273.85 FEET AND SOUTH 46 DEGREES 43 MINUTES 50 SECONDS EAST, 400.00 FEET AND NORTH 88 DEGREES 16 MINUTES 10 SECONDS EAST, 25.00 FEET AND SOUTH 01 DEGREE 43 MINUTES 50 SECONDS EAST 280.69 FEET (280.00 FEET MEASURED); THENCE NORTH 88 DEGREES 29 MINUTES 05 SECONDS EAST 75 FEET TO THE POINT OF BEGINNING.

BASED ON A FIELD SURVEY, ALL OF THE ABOVE IS BEING DESCRIBED AS:

PART OF THE SOUTHEAST 1/4 AND THE NORTH EAST 1/4 OF SECTION 18, TOWNSHIP 7 NORTH, RANGE 8 EAST, TOWNSHIP OF DAVISON, GENESSEE COUNTY, MICHIGAN, DESCRIBED AS FOLLOWS: BEGINNING AT THE EAST 1/4 CORNER OF SECTION 18; THENCE SOUTH 01 DEGREE 55 MINUTES 12 SECONDS EAST 202.20 FEET TO THE CENTER LINE OF LAPEER ROAD; THENCE SOUTH 88 DEGREES 09 MINUTES 35 SECONDS WEST, ALONG SAID CENTERLINE 900.00 FEET; THENCE NORTH 01 DEGREE 34 MINUTES 24 SECONDS WEST, 1275.50 FEET TO THE SOUTHERLY RIGHT OF WAY LINE OF I-96 EXPRESSWAY (WIDTH VARIES); THENCE ALONG SAID SOUTHERLY RIGHT OF WAY LINE, SOUTH 72 DEGREES 42 MINUTES 12 SECONDS EAST, 57.79 FEET AND SOUTH 84 DEGREES 27 MINUTES 12 SECONDS EAST 499.35 FEET AND NORTH 88 DEGREES 16 MINUTES 10 SECONDS EAST, 273.85 FEET AND SOUTH 46 DEGREES 43 MINUTES 50 SECONDS EAST, 99.00 FEET TO THE WESTERLY LINE OF IRISH ROAD (WIDTH VARIES); THENCE ALONG SAID WESTERLY LINE, SOUTH 01 DEGREE 43 MINUTES 50 SECONDS EAST, 400.00 FEET AND NORTH 88 DEGREES 16 MINUTES 10 SECONDS EAST, 25.00 FEET AND SOUTH 01 DEGREE 43 MINUTES 50 SECONDS EAST, 280.00 FEET; THENCE NORTH 88 DEGREES 29 MINUTES 05 SECONDS EAST, 75.00 FEET TO THE EAST 1/4 CORNER OF SAID SECTION 18 AND THE POINT OF BEGINNING.

TITLE REPORT NOTE

ONLY THOSE EXCEPTIONS CONTAINED WITHIN THE CHICAGO TITLE INSURANCE COMPANY COMMITMENT NO. 251056854NTS, DATED MAY 09, 2018, AND RELISTED BELOW WERE CONSIDERED FOR THIS SURVEY. NO OTHER RECORDS RESEARCH WAS PERFORMED BY THE CERTIFYING SURVEYOR.

3. RIGHT(S) OF WAY AND/OR EASEMENT(S) AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT.
GRANTED TO: CONSUMERS POWER COMPANY (NOW KNOWN AS CONSUMERS ENERGY), RECORDING NO: LIBER 539, PAGE 29 AND IN LIBER 539, PAGE 27. (AS SHOWN)
4. RIGHT(S) OF WAY AND/OR EASEMENT(S) AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT.
GRANTED TO: COUNTY OF GENESSEE FOR HIGHWAY PURPOSES, AS CONTINUED IN RELEASE OF RIGHT OF WAY. RECORDING NO: DEED LIBER 1268, PAGE 363. (AS SHOWN)
5. RIGHT(S) OF WAY AND/OR EASEMENT(S) AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT.
GRANTED TO: CONSUMERS POWER COMPANY (NOW KNOWN AS CONSUMERS ENERGY), RECORDING NO: DEED LIBER 1446, PAGE 487. (AS SHOWN)
6. EASEMENTS AND THE TERMS, CONDITIONS AND PROVISIONS THEREOF WHICH ARE RECITED IN DECLARATION OF TAKINGS RECORDED IN DEED LIBER 1654, PAGE 139 AND IN DEED LIBER 1663, PAGE 204. (AS SHOWN)
7. RIGHT(S) OF WAY AND/OR EASEMENT(S) AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT.
GRANTED TO: GENESSEE COUNTY DRAIN COMMISSIONER. RECORDING NO: DEED LIBER 2088, PAGE 213. (SPECIFIC LOCATION NOT DESCRIBED)
8. RIGHT(S) OF WAY AND/OR EASEMENT(S) AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT.
GRANTED TO: CONSUMERS POWER COMPANY (NOW KNOWN AS CONSUMERS ENERGY) RECORDING NO: DEED LIBER 2383, PAGE 287. (AS SHOWN)
9. 20x200 FOOT CONSTRUCTION GRADE EASEMENT AGREEMENT BY AND BETWEEN RUBY REAL ESTATE, LLC, A SUBSIDIARY OF TALMER BANK AND TRUST AND WILLIAMS GUN SIGHT COMPANY
RECORDING DATE: FEBRUARY 3, 2015 RECORDING NO.: INSTRUMENT NO. 201502030006631. (AS SHOWN)
10. 30x148 FOOT PERMANENT MAINTENANCE EASEMENT FOR STORM SEWER EASEMENT AGREEMENT BY AND BETWEEN RUBY REAL ESTATE, LLC, A SUBSIDIARY OF TALMER BANK AND TRUST AND WILLIAMS GUN SIGHT COMPANY
RECORDING DATE: FEBRUARY 3, 2015 RECORDING NO.: INSTRUMENT NO. 201502030006632. (AS SHOWN)
11. 30x268 FOOT STORM SEWER CONSTRUCTION EASEMENT AGREEMENT BY AND BETWEEN RUBY REAL ESTATE, LLC, A SUBSIDIARY OF TALMER BANK AND TRUST AND WILLIAMS GUN SIGHT COMPANY
RECORDING DATE: FEBRUARY 3, 2015 RECORDING NO.: INSTRUMENT NO. 201502030006633. (NULL AND VOID)
12. 30x268 FOOT STORM SEWER CONSTRUCTION AND MAINTENANCE EASEMENT AGREEMENT BY AND BETWEEN RUBY REAL ESTATE, LLC, A SUBSIDIARY OF TALMER BANK AND TRUST AND WILLIAMS GUN SIGHT COMPANY
RECORDING DATE: FEBRUARY 27, 2015 RECORDING NO.: INSTRUMENT NO. 201502270013202. (AS SHOWN)

SURVEYOR'S CERTIFICATION

TO TACO BELL OF AMERICA, LLC, A DELAWARE LIMITED LIABILITY COMPANY, GPD GROUP, AND THE CHICAGO TITLE INSURANCE COMPANY.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS AND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDED ITEMS 1, 2, 3, 4, 5, 6A, 6B, 7A, 7B1, 8, 9, 10A, 11, 13, 18, 19, AND 20 OF TABLE A, THEREOF. THE FIELD WORK WAS COMPLETED ON MAY 16, 2018.

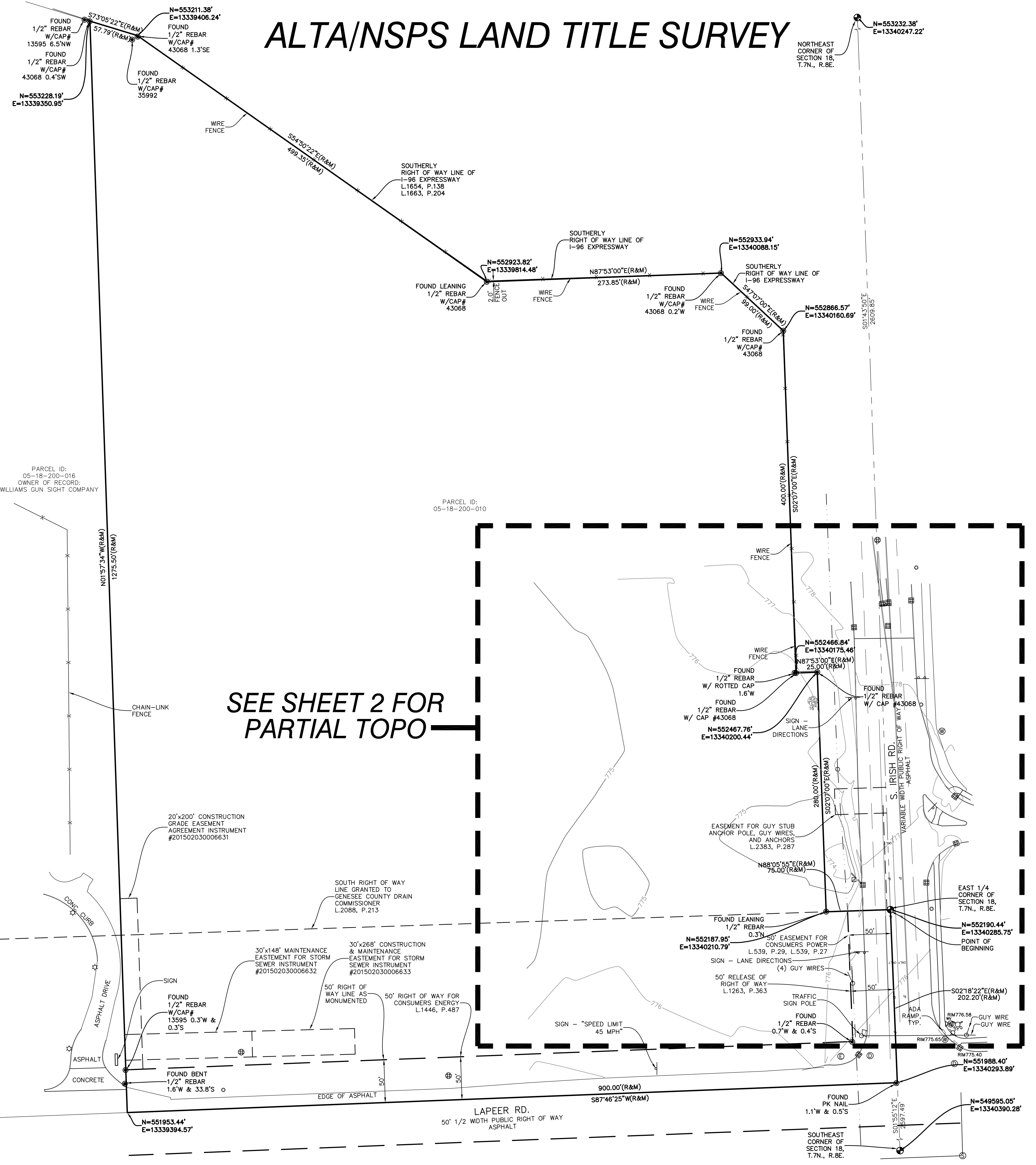
DATE OF PLAT OR MAP: MAY 17, 2018

ANTHONY T. SYCKO, JR., P.S.
PROFESSIONAL SURVEYOR
MICHIGAN LICENSE NO. 47976
REVISED 07/19/18 - PER REVIEW COMMENTS
REVISED 05/05/18 - UPDATED TITLE WORK

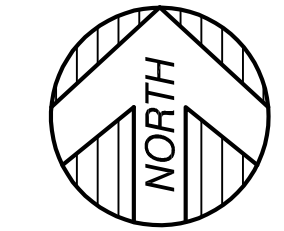


KEM-TEC & ASSOCIATES
PROFESSIONAL SURVEYORS - PROFESSIONAL ENGINEERS
22556 GRATIOT AVE. • EASTPOINTE, MICHIGAN 48021
(586)772-2222 • (800)295-7222 • FAX (586)772-4048

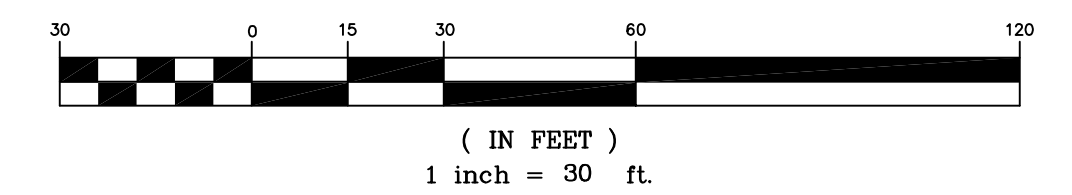
PREPARED FOR: GPD GROUP	JOB #: 18-01383
DATE: MAY 17, 2018	SHEET: 1 OF 2
SCALE: 1" = 60'	DRW. BY: JDM
REV: JULY 19, 2018	



TOPOGRAPHIC SURVEY



GRAPHIC SCALE



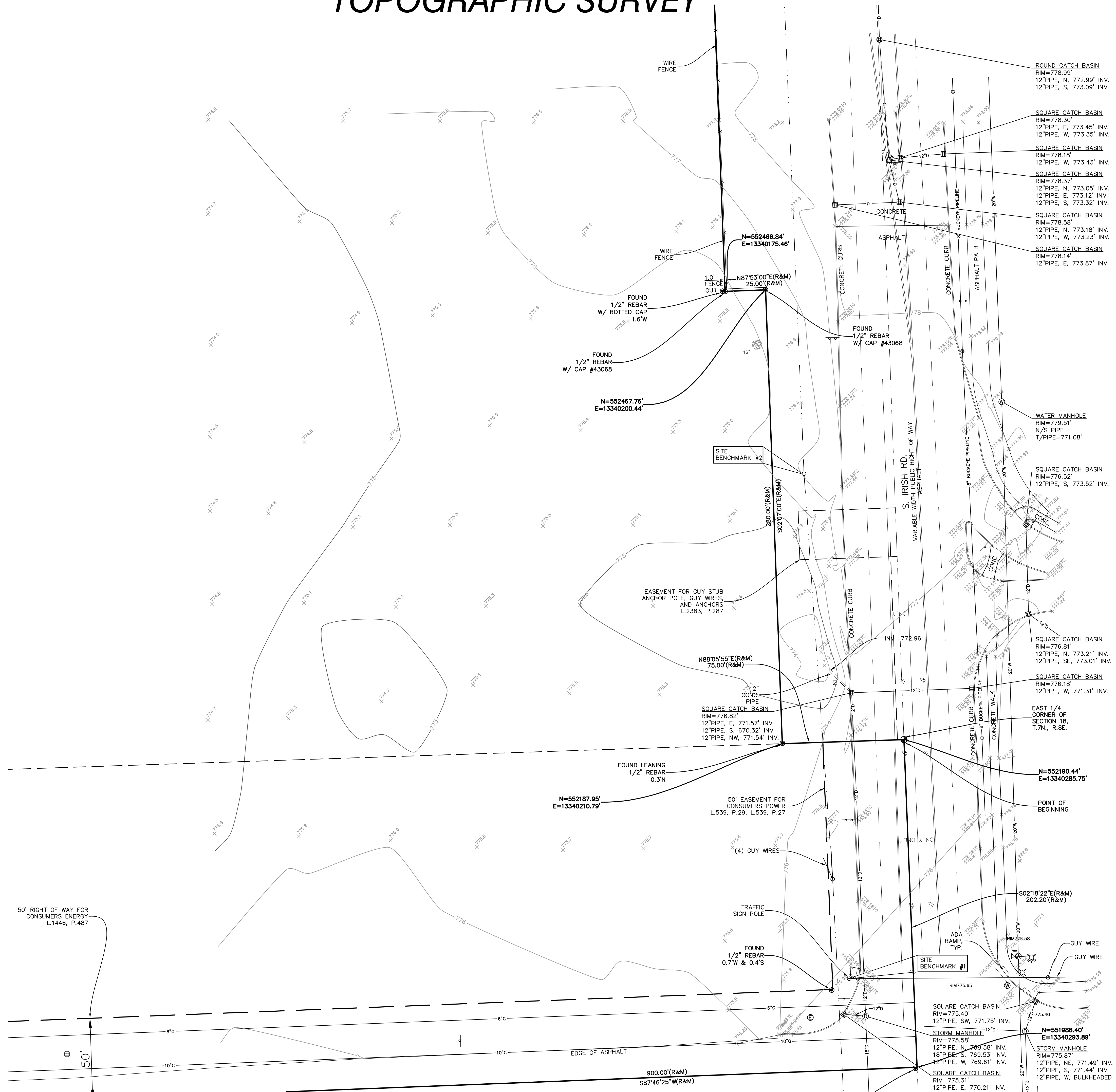
BENCHMARK

SITE BENCHMARK #1
TOP OF NORTHWEST BOLT ON BASE OF TRAFFIC SIGNAL POLE.
ELEVATION = 777.54' (NAVD 88 DATUM).

SITE BENCHMARK #2
MAG NAIL ON SOUTH FACE OF POWER POLE BETWEEN EAST PROPERTY LINE AND SOUTH IRISH ROAD.
ELEVATION = 776.92' (NAVD 88 DATUM).

LEGEND

●	SET 1/2" REBAR WITH CAP P.S. 47976
⊙	FOUND MONUMENT (AS NOTED)
⊙	FOUND SECTION CORNER (AS NOTED)
(R&M)	RECORD AND MEASURED DIMENSION
(R)	RECORD DIMENSION
(M)	MEASURED DIMENSION
⊙	FIBER OPTICS MANHOLE
○	UTILITY POLE
○	GAS LINE MARKER
□	CABLE TV BOX
⊙	SANITARY MANHOLE
⊙	ROUND CATCH BASIN
⊙	SQUARE CATCH BASIN
⊙	STORM DRAIN MANHOLE
☆	LIGHTPOST/LAMP POST
⊙	SINGLE POST SIGN
⊙	DOUBLE POST SIGN
⊙	TREE
---	PARCEL BOUNDARY LINE
---	PLATTED LOT LINE
---	ADJOINER PARCEL LINE
---	SECTION LINE
---	EASEMENT (AS NOTED)
---	EASEMENT CENTERLINE
---	RIGHT-OF-WAY
---	CENTERLINE ROAD
---	CONCRETE CURB
---	EDGE OF CONCRETE (CONC.)
---	EDGE OF ASPHALT (ASPH.)
X	FENCE (AS NOTED)
---	OVERHEAD UTILITY LINE
T	COMMUNICATION LINE
G	GAS LINE
S	SANITARY LINE
D	STORM LINE
W	WATER LINE
---	CORRUGATED METAL PIPE (OR AS NOTED)



REVISED 07/19/18 - PER REVIEW COMMENTS

KEM-TEC & ASSOCIATES
 PROFESSIONAL SURVEYORS - PROFESSIONAL ENGINEERS
 2256 GRATIOT AVE. • EASTPOINTE, MICHIGAN 48021
 (586)772-2222 • (800)295-7222 • FAX (586)772-4048

PREPARED FOR: GPD GROUP	
DATE: MAY 17, 2018	JOB #: 18-01383
SCALE: 1" = 30'	SHEET: 2 OF 2
DRW. BY: JDM	REV.: JULY 19, 2018

DEMOLITION NOTES

1. **EXTENSION OF PUBLIC UTILITIES:**
ALL PUBLIC SANITARY SEWER AND/OR WATERMAIN SHALL BE EXTENDED TO THE FURTHEST LIMITS OF THE PROPERTY, INCLUDING CORNER LOTS, WITH THE PIPE SIZE AND MATERIAL APPROVED BY GCDC-WWS. THIS IS NECESSARY FOR PLAN APPROVAL. FOR WATER SERVICE OF 1" OR LESS OR A BUILDING ON A CORNER LOT, THE REQUIREMENTS TO EXTEND THE PUBLIC WATERMAIN AND/OR SANITARY SEWER ALONG BOTH PROPERTY LINES WILL BE REVIEWED. FINAL DETERMINATION SHALL BE MADE BY GCDC-WWS.
2. **WATERMAIN LOOPING:**
ALL PUBLIC WATERMAINS SHALL BE LOOPED WHENEVER POSSIBLE. THE PIPE SIZE REQUIREMENTS SHALL BE APPROVED BY GCDC-WWS.
3. **INDUSTRIAL PRETREATMENT PROGRAM (IPP):**
THIS PERMIT IS REQUIRED FOR ALL COMMERCIAL (NON-RESIDENTIAL) AND INDUSTRIAL DISCHARGES. THE OWNER SHALL OBTAIN AN INDUSTRIAL PRETREATMENT DISCHARGE PERMIT PRIOR TO THE ISSUANCE OF A SEWER CONNECTION PERMIT. INDUSTRIAL DISCHARGE PERMITS ARE NON-TRANSFERABLE. CHANGES IN FACILITY USE WILL REQUIRE A NEW INDUSTRIAL DISCHARGE PERMIT. FOR MORE INFORMATION CALL THE ANTHONY RAGNONE TREATMENT PLANT AT (810) 232-7662.
4. **SOIL EROSION:**
THE DEVELOPER AND/OR OWNER SHALL SUBMIT A DETAILED SOIL EROSION AND SEDIMENTATION CONTROL PLAN AND OBTAIN AN ACT 451 PART 91. SOIL EROSION AND SEDIMENTATION CONTROL PERMIT. THIS INCLUDES THE PAYMENT OF FEES AND THE PROVIDING OF NECESSARY BONDS. NO EARTH CHANGES OR EXCAVATION SHALL BE STARTED PRIOR TO THE ISSUANCE OF THIS PERMIT. THE DEVELOPER AND/OR OWNER SHALL PROTECT ALL EXISTING AND PROPOSED STORM SEWER FACILITIES ON AND ADJACENT TO THE SITE DURING EXCAVATION AND CONSTRUCTION. ALL SEDIMENT SHALL BE CONTAINED ON SITE. ANY SILT IN COUNTY DRAINS, STORM SEWER, CULVERTS, ETC. AS A RESULT OF THIS PROJECT, SHALL BE REMOVED BY THE DEVELOPER AND/OR OWNER AT THE COST OF THE DEVELOPER AND/OR OWNER.
5. **FLOOD PLAIN OR WETLAND CONSTRUCTION:**
THE DEVELOPER AND/OR OWNER SHALL APPLY TO THE MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY FOR A PERMIT FOR THE ALTERATION AND/OR OCCUPATION OF A FLOOD PLAIN OR FLOODWAY, AS REQUIRED UNDER PA 451. EVIDENCE OF THIS PERMIT MAY BE REQUIRED PRIOR TO PLAN APPROVAL BY GCDC-WWS.
6. **NPDES STORM WATER DISCHARGE PERMIT:**
THE OWNER OF THE PROPERTY SHALL OBTAIN A NPDES STORM WATER DISCHARGE PERMIT FOR CONSTRUCTION ACTIVITIES FROM MDEQ AS REQUIRED UNDER PUBLIC ACT 451. THE NOTICE OF COVERAGE FORM SHALL BE SUBMITTED THROUGH GCDC-WWS WITH THE SOIL EROSION CONTROL PERMIT APPLICATION. ALL MDEQ FEES SHALL ACCOMPANY THE NOTICE OF COVERAGE. EVIDENCE OF THIS PERMIT MAY BE REQUIRED PRIOR TO PLAN APPROVAL BY GCDC-WWS.
7. **GENESEE COUNTY PERMIT TO CONSTRUCT A PUBLIC UTILITY:**
AFTER THE APPROVAL OF THIS PRELIMINARY PLAT OR SITE PLAN, THE DEVELOPER SHALL SUBMIT A DETAILED PLAN FOR CONSTRUCTION OF ALL PUBLIC SANITARY SEWER AND WATERMAIN. THE PLANS MUST HAVE GCDC-WWS APPROVAL, A S-PERMIT ISSUED, AND APPROVAL FROM THE MDEQ PRIOR TO BEGINNING CONSTRUCTION.
8. **GENESEE COUNTY ROAD COMMISSION PERMIT:**
THE DEVELOPER SHALL OBTAIN A PERMIT FROM THE GENESEE COUNTY ROAD COMMISSION TO PERFORM WORK WITHIN THE GENESEE COUNTY ROAD COMMISSION RIGHT-OF-WAY. ALL FEES FOR THE PERMIT, BONDS AND INSURANCES ARE THE RESPONSIBILITY OF THE DEVELOPER.
9. **MUNICIPALITY SANITARY SEWER AND WATER PERMIT:**
PRIOR TO THE ISSUANCE OF A BUILDING PERMIT BY THE LOCAL MUNICIPALITY, THE DEVELOPER SHALL BE REQUIRED TO OBTAIN A SANITARY SEWER AND/OR WATER TAP-IN PERMIT FROM THE LOCAL MUNICIPALITY, IF AUTHORIZED, OR GCDC-WWS.
10. **STATE CONSTRUCTION PERMITS:**
THE SANITARY SEWER AND WATERMAIN CONSTRUCTION PERMITS FROM THE MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY SHALL BE SUBMITTED TO THE MDEQ AFTER APPROVAL OF GCDC-WWS. CONSTRUCTION SHALL NOT BEGIN UNTIL THESE STATE PERMITS ARE ISSUED.



- △
- △ ISSUED FOR CONSTRUCTION 08.21.19
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- △
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- △
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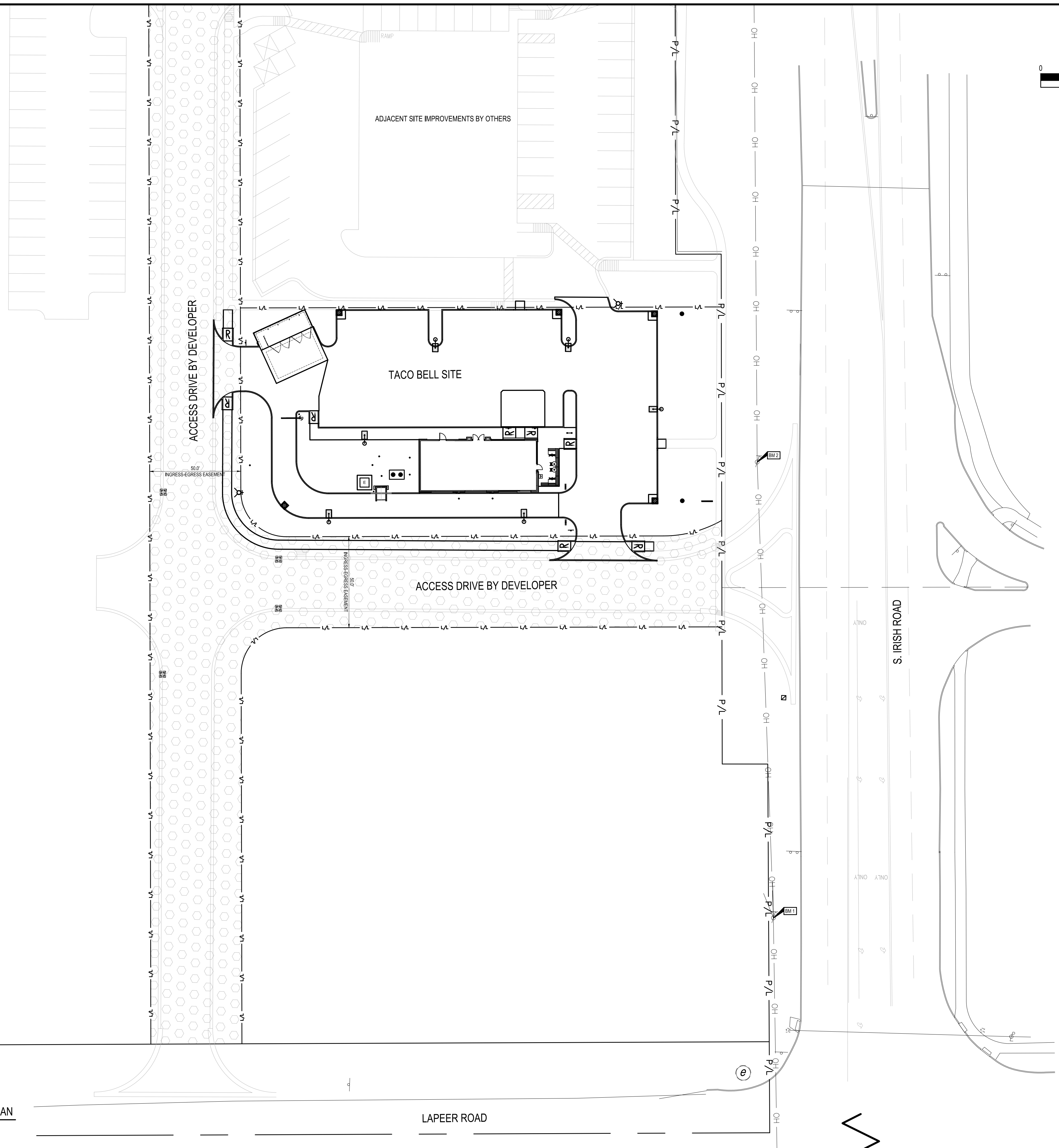
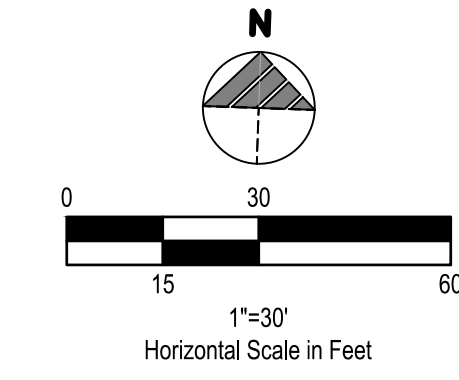
CONTRACT DATE:
BUILDING TYPE: MO T40
PLAN VERSION:
BRAND DESIGNER:
SITE NUMBER: 313076
STORE NUMBER:

TACO BELL
7931 LAPEER ROAD
DAVISON, MI 48423



GCDC NOTES

C-002



A1 OVERALL SITE PLAN
1" = 30'

△	ISSUED FOR CONSTRUCTION	08.21.19
△		
△		
△		
△		
△		
△		
△		

CONTRACT DATE:
BUILDING TYPE: MO T40
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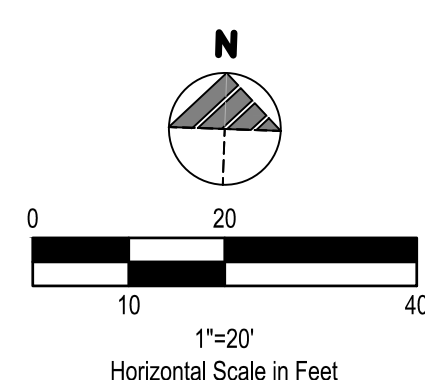


BENCHMARKS:
BENCHMARK #1
TOP OF NORTHWEST BOLT ON BASE
OF TRAFFIC SIGNAL POLE AT
SOUTHEAST PROPERTY CORNER.
ELEVATION=777.54 (NAVD 88 DATUM)
BENCHMARK #2 - MAG NAIL ON
SOUTH FACE OF POWER POLE
BETWEEN EAST PROPERTY LINE AND
SOUTH IRISH ROAD.
ELEVATION=776.92 (NAVD 88 DATUM)

MICHIGAN'S ONE-CALL UTILITY NOTIFICATION ORGANIZATION
THREE FULL WORKING DAYS BEFORE YOU DIG.
CALL THE MISS DIG SYSTEM AT
1-(800)-482-7171
OR CALL #DIG
FREE FROM YOUR AT&T OR CINGULAR CELLULAR PHONE
THE MISS DIG MEMBER UTILITIES WILL MARK THE APPROXIMATE
LOCATION OF THEIR UNDERGROUND PUBLIC UTILITY LINES AT NO
CHARGE.

**OVERALL
SITE PLAN**

C-100



GENERAL SHEET NOTES

1. UTILITY LOCATIONS SHOWN ON PLAN FOR THE DEVELOPMENT ARE FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE DEVELOPER FOR EXACT LOCATIONS OF ALL DEVELOPER UTILITIES.

DEMOLITION KEYNOTES (#)

1. EXISTING LANDSCAPING (INCLUDING BUSHES, TREES, ETC.) TO BE REMOVED.
2. EXISTING DEVELOPMENT CURBING TO BE HORIZONTALLY SAW CUT TO MAINTAIN 1" LIP ACROSS CURB LINE FOR NEW DRIVE APRON. CONTRACTOR SHALL COORDINATE WORK WITH THE DEVELOPER'S CONTRACTOR PRIOR TO CONSTRUCTION.

DEMOLITION NOTE:

ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE, OR ARE REQUIRED TO BE MODIFIED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- #±--- DENOTES LIMITS OF SAWCUT
- (#) DEMOLITION KEYNOTE

NOTE: ALL UNDERGROUND UTILITIES AND PAVEMENTS SHOWN HEREON (EXCEPT FOR SOUTH IRISH ROAD) ARE PROPOSED AT THE TIME THIS DESIGN IS COMPLETED. ALL REFERENCES TO THOSE PAVEMENTS AND UTILITIES ARE PLANNED FOR CONNECTION AT A LATER DATE.

A1 DEMOLITION PLAN
1" = 20'



△	ISSUED FOR CONSTRUCTION	08.21.19
△		
△		
△		
△		
△		
△		
△		

CONTRACT DATE:
BUILDING TYPE: MO T40
PLAN VERSION:
BRAND DESIGNER:
SITE NUMBER: 313076
STORE NUMBER:

TACO BELL
7931 LAPEER ROAD
DAVISON, MI 48423



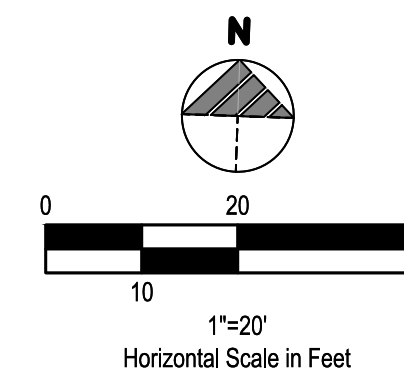
DEMOLITION PLAN

C-101

BENCHMARKS:

BENCHMARK #1
TOP OF NORTHWEST BOLT ON BASE OF TRAFFIC SIGNAL POLE AT SOUTHEAST PROPERTY CORNER. ELEVATION=777.54 (NAVD 88 DATUM)

BENCHMARK #2 - MAG NAIL
ON SOUTH FACE OF POWER POLE BETWEEN EAST PROPERTY LINE AND SOUTH IRISH ROAD. ELEVATION=776.92 (NAVD 88 DATUM)



PLAN KEYNOTES (#)

1. PROPOSED P.C.C. CURB, SEE SHEET 501.
2. PROPOSED CURB AT DRIVE THRU, SEE SHEET 501.
3. PROPOSED P.C.C. CURBED WALK, SEE SHEET 501.
4. PROPOSED P.C.C. WALK, SEE SHEET 501.
5. PROPOSED 6" P.C.C. PAVEMENT W/ W.W.F. 6" x 6" W2.9 x W2.9 (CONTROL JTS. 12'-0" O.C.) OVER 8" CRUSHED AGGREGATE OR GRAVEL BASE. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT.
6. PROPOSED BOLLARD IN CURB, SEE SHEET 501.
7. PROPOSED HANDICAPPED PARKING SIGN, SEE SHEET 501.
8. PROPOSED LANDSCAPING AREA. SOD ALL DISTURBED AREAS EXCEPT WHERE PLANTING BEDS ARE INDICATED. SEE SHEET L-101.
9. PROPOSED 'DO NOT ENTER' SIGN PER MDOT STANDARDS AND SHEET 501.
10. PROPOSED PAINTED TRANSVERSE STRIPING, SEE SHEET 501.
11. PROPOSED PAINTED 4" WIDE SOLID STRIPE - WHITE ON ASPHALT, YELLOW ON CONCRETE.
12. PROPOSED DIRECTIONAL PAVEMENT MARKINGS - WHITE ON ASPHALT, YELLOW ON CONCRETE - SEE SHEET 501.
13. PROPOSED PAINTED INTERNATIONAL ADA SYMBOL PER ADA SPECIFICATIONS AND SHEET 501.
14. PROPOSED LIGHT POLE AND FOUNDATION. SEE ELECTRICAL DRAWINGS AND SHEET 501 FOR FOUNDATION SPECIFICATIONS.
15. PROPOSED ADA ACCESSIBLE RAMP PER ADA SPECIFICATIONS AND SHEET 502.
16. PROPOSED 5'-0" O.A.H., 60 S.F. MONUMENT SIGN PER SIGN SUPPLIER SPECIFICATIONS.
17. PROPOSED 5x5 FROST SLAB AT DOOR. SEE STRUCTURAL DRAWINGS.
18. PROPOSED UTILITY STRUCTURE, SEE SHEET C-141 FOR DESIGN INFORMATION.
19. PROPOSED GAS METER PER GAS COMPANY SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
20. PROPOSED ELECTRICAL TRANSFORMER PER ELECTRICAL COMPANY SPECIFICATIONS. G.C. TO VERIFY EXACT LOCATION AND SIZE WITH UTILITY ENGINEER.
21. PROPOSED ELECTRIC METER PER ELECTRIC COMPANY SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.
22. PROPOSED PATIO FURNITURE, SEE ARCHITECTURAL SHEETS.
23. PROPOSED 'STOP' SIGN PER MDOT STANDARDS AND SHEET C-501.
24. PROPOSED TRASH ENCLOSURE, SEE ARCHITECTURAL SHEETS.
25. PROPOSED EVOLUTION PORTAL CLEARANCE BAR, SEE SHEET C-502.
26. PROPOSED DIGITAL MENU BOARD PER SIGN SUPPLIER SPECIFICATIONS AND SHEET C-502. SIGN SUPPLIER TO PROVIDE A TEMPLATE FOR G.C. G.C. TO COORDINATE A MEETING WITH THE CONSTRUCTION/PROJECT MANAGER AND OPERATIONS TO VERIFY LOCATION AND PLACEMENT OF MENU BOARD PRIOR TO ANY CONSTRUCTION. SIGN SUPPLIER SHALL PROVIDE G.C. WITH FOUNDATION DETAILS. G.C. RESPONSIBLE FOR SIGN FOUNDATIONS/ELECTRICAL.
27. PROPOSED BOLLARD, SEE SHEET C-502.
28. PROPOSED PAINTED CROSSWALK STRIPING, SEE SHEET C-502.
29. PROPOSED BIKE RACK, SEE SHEET C-502.
30. PROPOSED FIRE HYDRANT BY DEVELOPER.
31. PROPOSED WALK BY DEVELOPER OR ADJACENT SITE CONTRACTOR.
32. PROPOSED 5x7' FROST SLAB AT DOOR. SEE STRUCTURAL DRAWINGS.
33. PROPOSED 1" CURB TAPER, SEE SHEET C-503.

LEGEND

- (SEE SHEET C-001 FOR GENERAL LEGEND)
- PROPOSED HEAVY DUTY ASPHALT. SEE TABLE, THIS SHEET.
 - PROPOSED STANDARD DUTY ASPHALT. SEE TABLE, THIS SHEET.
 - PROPOSED CONCRETE
 - CONSTRUCTION KEYNOTE
 - PROPOSED PARKING SPACE NUMBER
 - PROPOSED DRIVE THRU STACK CAR AND NUMBER

ASPHALT PAVEMENT

MATERIAL	DEPTH (HVY. DUTY)	DEPTH (STD. DUTY)	MDOT SPECIFICATIONS ITEM
ASPHALT SURFACE COURSE	1.5"	1.5"	5E03
ASPHALT BASE COURSE	4.0"	3.0"	4E03
GRADED AGG. BASE COURSE	8.0"	6.0"	21AA
SUBGRADE COMPACTION	PER SOILS REPORT	PER SOILS REPORT	PER SOILS REPORT

MATERIALS SHALL BE MICHIGAN DEPARTMENT OF TRANSPORTATION APPROVED. SEE TYPICAL SECTION SHEET C-503.

BUILDING SETBACKS

	REQUIRED	PROVIDED
FRONT: IRISH ROAD	35'	100.5'
REAR: DEV. DRIVE	35'	97.8'
SIDE (NORTH):	10'	71.1'
SIDE (SOUTH):	10'	24.0'

PARKING SETBACKS

	REQUIRED	PROVIDED
FRONT: IRISH ROAD	35'	35.0'
REAR: DEV. DRIVE	10'	16.8'
SIDE (NORTH):	N/A	1.0'
SIDE (SOUTH):	10'	10.0'

LANDSCAPE SETBACKS

	REQUIRED	PROVIDED
FRONT: IRISH ROAD	35'	35.0'
REAR: DEV. DRIVE	10'	16.8'
SIDE (NORTH):	N/A	1.0'
SIDE (SOUTH):	10'	10.0'

PARKING SPACES

	REQUIRED	PROVIDED
NUMBER OF SPACES	34	34

PARKING REQUIREMENTS
1 SPACE PER EMPLOYEE AT LARGEST SHIFT+1 FOR EVERY 2 SEATS PROVIDED+1 FOR EACH 30 S.F. OF USABLE FLOW AREA DEVOTED TO CUSTOMER WAITING AREA THEREFORE: (6+(402)(1/175/50) = 34 SPACES.

LAND USE DATA

	% OF SITE AREA	AREA PROVIDED
BUILDING	5.4%	0.044 AC.
PAVEMENT/IMPERVIOUS	60.8%	0.491 AC.
LANDSCAPING	33.8%	0.273 AC.
TOTAL	100%	0.808 AC.

CURRENT ZONING: GC - GENERAL COMMERCIAL

BENCHMARKS:

BENCHMARK #1
TOP OF NORTHWEST BOLT ON BASE OF TRAFFIC SIGNAL POLE AT SOUTHEAST PROPERTY CORNER. ELEVATION=777.54 (NAVD 88 DATUM)

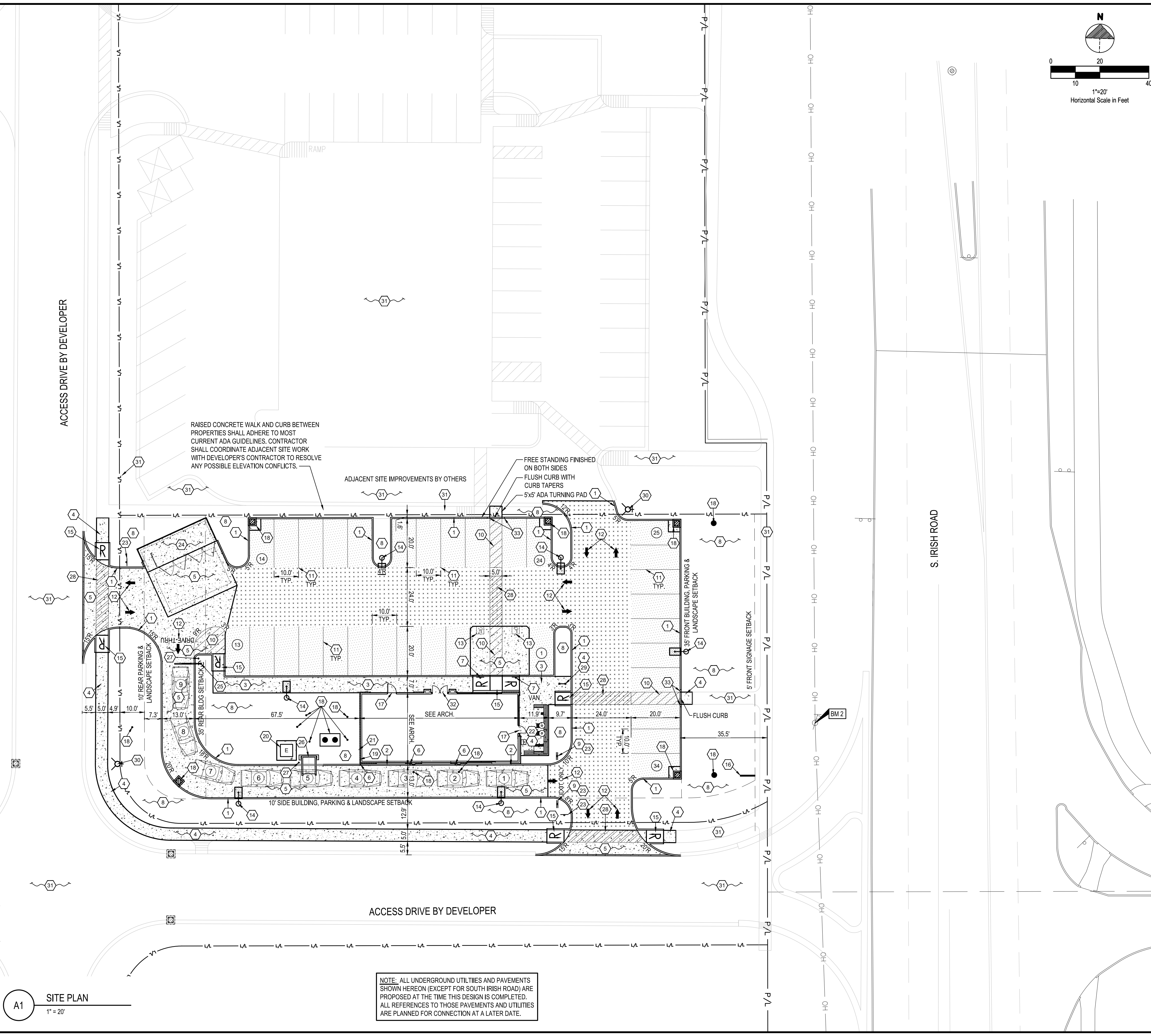
BENCHMARK #2 - MAG NAIL
ON SOUTH FACE OF POWER POLE BETWEEN EAST PROPERTY LINE AND SOUTH IRISH ROAD. ELEVATION=776.92 (NAVD 88 DATUM)

UTILITY NOTIFICATION ORGANIZATION

THREE FULL WORKING DAYS BEFORE YOU DIG. CALL THE MISS DIG SYSTEM AT 1-800-482-7171

OR CALL HDIG FREE FROM YOUR AT&T OR CINGULAR CELLULAR PHONE

THE MISS DIG MEMBER UTILITIES WILL MARK THE APPROXIMATE LOCATION OF THEIR UNDERGROUND PUBLIC UTILITY LINES AT NO CHARGE.



ACCESS DRIVE BY DEVELOPER

S. IRISH ROAD

RAISED CONCRETE WALK AND CURB BETWEEN PROPERTIES SHALL ADHERE TO MOST CURRENT ADA GUIDELINES. CONTRACTOR SHALL COORDINATE ADJACENT SITE WORK WITH DEVELOPER'S CONTRACTOR TO RESOLVE ANY POSSIBLE ELEVATION CONFLICTS.

ADJACENT SITE IMPROVEMENTS BY OTHERS

FREE STANDING FINISHED ON BOTH SIDES
FLUSH CURB WITH CURB TAPERS
5x5' ADA TURNING PAD

ACCESS DRIVE BY DEVELOPER

NOTE: ALL UNDERGROUND UTILITIES AND PAVEMENTS SHOWN HEREON (EXCEPT FOR SOUTH IRISH ROAD) ARE PROPOSED AT THE TIME THIS DESIGN IS COMPLETED. ALL REFERENCES TO THOSE PAVEMENTS AND UTILITIES ARE PLANNED FOR CONNECTION AT A LATER DATE.

CONTRACT DATE:	MO T40
BUILDING TYPE:	
PLAN VERSION:	
BRAND DESIGNER:	
SITE NUMBER:	313076
STORE NUMBER:	

TACO BELL

7931 LAPEER ROAD
DAVISON, MI 48423

SITE PLAN

GENERAL SHEET NOTES

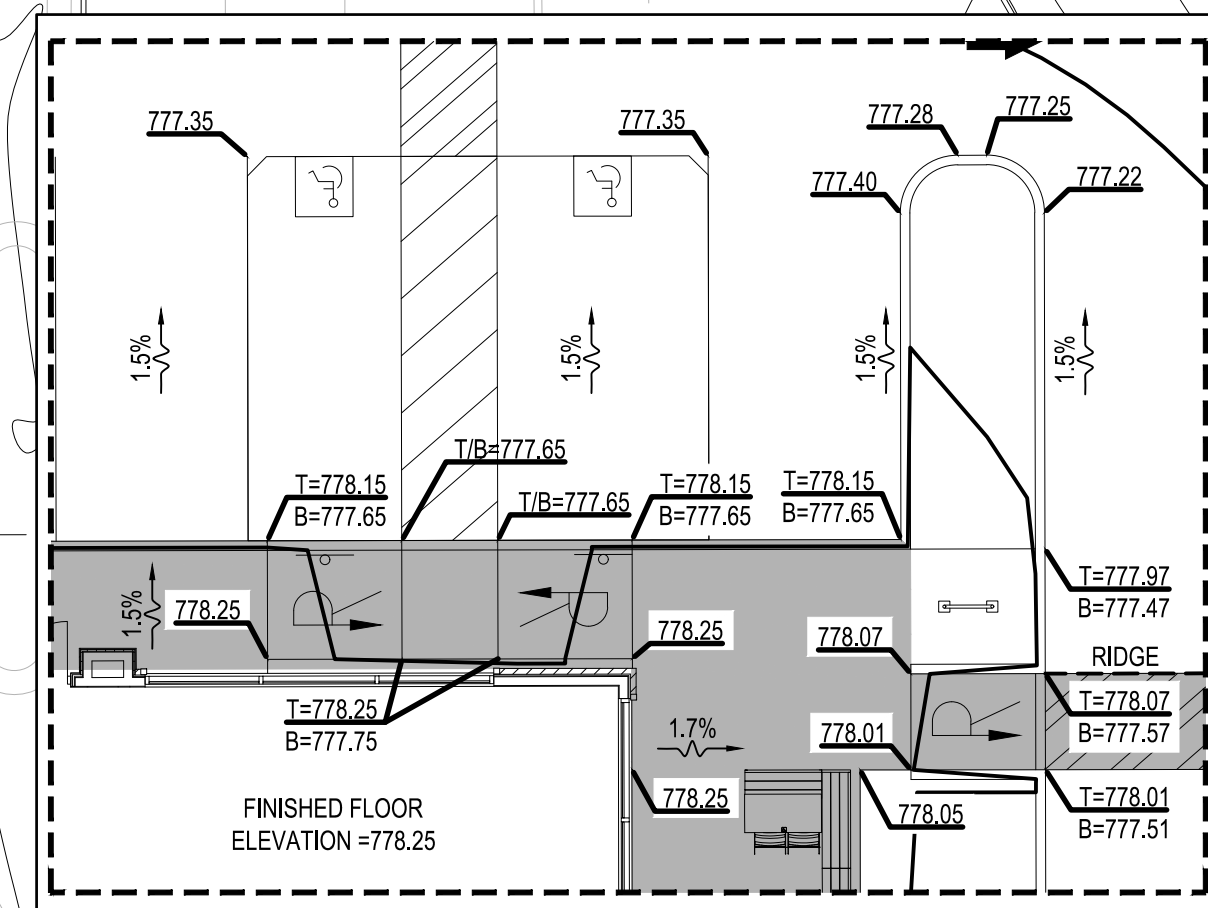
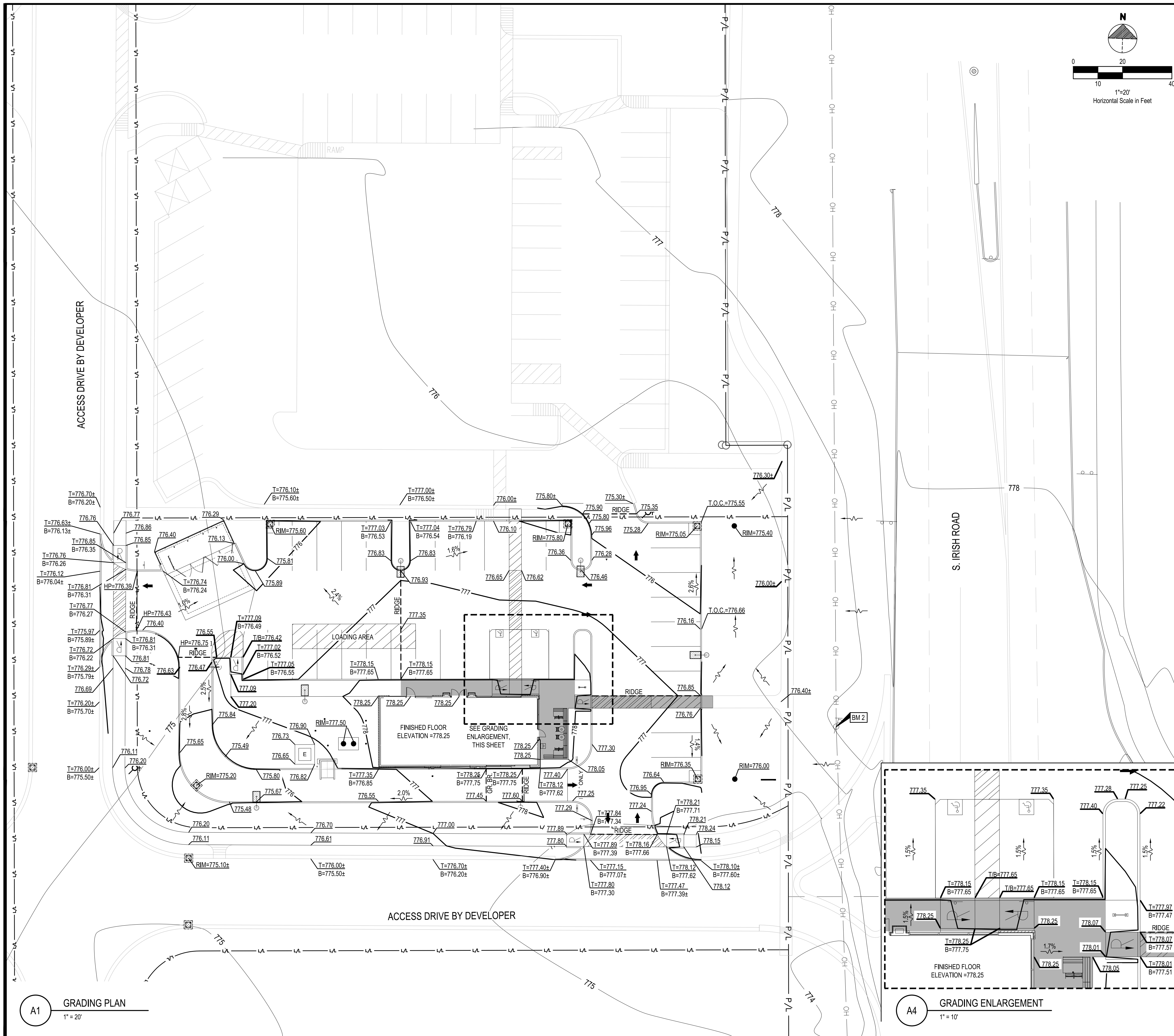
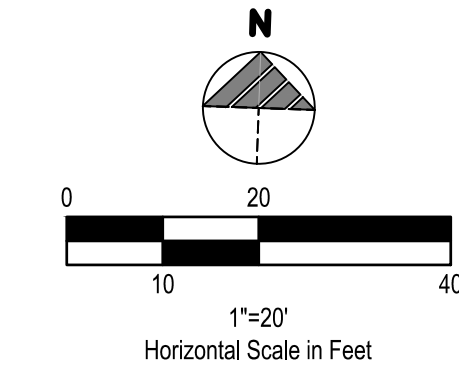
1. BASIS OF DESIGN: DEVELOPER GRADES HAVE NOT BEEN ESTABLISHED PRIOR TO DESIGN OF THIS PROPERTY. IT IS TO THE DESIGN ENGINEERS KNOWLEDGE THAT THE DEVELOPER WILL COORDINATE THE ADJACENT DRIVE AISLE GRADES WITH THE TACO BELL PROPERTY GRADES GIVEN ON THIS SHEET.
2. CONTRACTOR SHALL COORDINATE TIE-IN GRADES AT PROPOSED WALKS, CURB CUTS AND ALL OTHER LOCATIONS WITH THE PROPERTY DEVELOPER.
3. IF DEVELOPER GRADES ARE SUCH THAT STEEP SLOPES ARE NEEDED TO TIE-IN, THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE CONSTRUCTION MANAGER.
4. ALL ACCESSIBLE PATHWAYS SHALL BE CONSTRUCTED TO MEET CURRENT ADA REQUIREMENTS AND GUIDELINES.

LEGEND

(SEE SHEET C-001 FOR GENERAL LEGEND)

- 000 — PROPOSED CONTOUR
- — — PROPOSED PAVEMENT SWALE
- ▨ AREA TO BE ADA COMPLIANT GRADES PER ADA GUIDELINES
- 000.00± EXISTING SPOT ELEVATION
- 000.00± PROPOSED ELEVATION @ FINISHED GROUND ELEVATION
- HP=000.00± PROPOSED ELEVATION AT PAVEMENT RIDGE
- LP=000.00± PROPOSED ELEVATION AT PAVEMENT LOW POINT
- T/B=000.00± PROPOSED TOP AND BOTTOM OF CURB - FLUSH CURB AT PAVEMENT
- T=000.00± TOP OF CURB ELEVATION/WALK ELEVATION
- B=000.00± BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION
- 0.0% PROPOSED DRAINAGE SLOPE & DIRECTION

NOTE: ALL UNDERGROUND UTILITIES AND PAVEMENTS SHOWN HEREON (EXCEPT FOR SOUTH IRISH ROAD) ARE PROPOSED AT THE TIME THIS DESIGN IS COMPLETED. ALL REFERENCES TO THOSE PAVEMENTS AND UTILITIES ARE PLANNED FOR CONNECTION AT A LATER DATE.



△	ISSUED FOR CONSTRUCTION	08.21.19
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CONTRACT DATE:
BUILDING TYPE: MO T40
PLAN VERSION:
BRAND DESIGNER:
SITE NUMBER: 313076
STORE NUMBER:

TACO BELL
7931 LAPEER ROAD
DAVISON, MI 48423




GRADING PLAN

C-121

BENCHMARKS:

BENCHMARK #1
TOP OF NORTHWEST BOLT ON BASE OF TRAFFIC SIGNAL POLE AT SOUTHEAST PROPERTY CORNER. ELEVATION=777.54 (NAVD 88 DATUM)

BENCHMARK #2 - MAG NAIL ON SOUTH FACE OF POWER POLE BETWEEN EAST PROPERTY LINE AND SOUTH IRISH ROAD. ELEVATION=776.92 (NAVD 88 DATUM)



MICHIGAN'S ONE-CALL
UTILITY NOTIFICATION ORGANIZATION

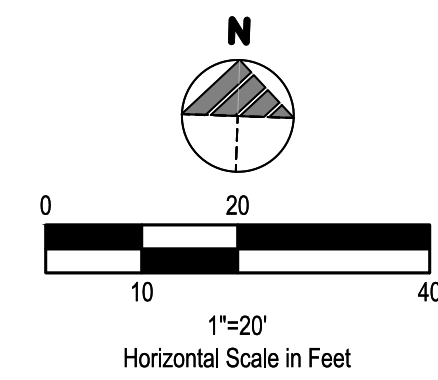
THREE FULL WORKING DAYS BEFORE YOU DIG. CALL THE MISS DIG SYSTEM AT 1-800-482-7171

OR CALL HDG FREE FROM YOUR AT&T OR CINGULAR CELLULAR PHONE

THE MISS DIG MEMBER UTILITIES WILL MARK THE APPROXIMATE LOCATION OF THEIR UNDERGROUND PUBLIC UTILITY LINES AT NO CHARGE.

A1 GRADING PLAN
1" = 20'

A4 GRADING ENLARGEMENT
1" = 10'



- LEGEND**
(SEE SHEET C-001 FOR GENERAL LEGEND)
- PROPOSED SILT BARRIER
REFER TO SWPP DETAILS
 - PROPOSED SILT FENCE
REFER TO SWPP DETAILS
 - PROPOSED SILT FENCE
AROUND STOCKPILE AS REQUIRED
 - PROPOSED CONSTRUCTION ENTRANCE
REFER TO SWPP DETAILS
 - PROPOSED CONCRETE WASHOUT FACILITY
REFER TO SWPP DETAILS

SWPP KEYNOTES

- CONSTRUCTION ENTRANCE
- CONSTRUCTION WASHOUT FACILITY
- TEMPORARY SEEDING
- PERMANENT SEEDING
- SILT FENCE
- STOCK PILE

DEVELOPER INFORMATION

DEVELOPER: IRISH ROAD, LLC
CONTACT: LAITH JONNA
ADDRESS: 2360 ORCHARD LAKE RD, STE 101
SYLVAN LAKE, MI 48320
PHONE: 248-683-7355

TACO BELL INFORMATION

CORPORATION: TACO BELL OF AMERICA, LLC
CONTACT: CLINT LANGLEY
ADDRESS: 1300 COLONEL SANDERS LN
LOUISVILLE, KY 40213
PHONE: 724-263-7757

LEGAL DESCRIPTION:

LAND SITUATED IN THE TOWNSHIP OF DAVIDSON, COUNTY OF GENESEE, STATE OF MICHIGAN, DESCRIBED AS:

PART OF THE SOUTHEAST 1/4 AND THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 7 NORTH, RANGE 8 EAST, TOWNSHIP OF DAVIDSON, GENESEE COUNTY, MICHIGAN, BEGINNING AT THE EAST 1/4 CORNER OF SECTION 18; THENCE SOUTH 01 DEGREE 34 MINUTES 00 SECONDS EAST 202.20 FEET TO THE CENTER LINE OF LAPEER ROAD; THENCE SOUTH 88 DEGREES 29 MINUTES 00 SECONDS WEST, ALONG SAID CENTERLINE 900.00 FEET; THENCE NORTH 01 DEGREE 31 MINUTES 00 SECONDS WEST, 1271.11 FEET TO THE SOUTHERLY RIGHT OF WAY LINE OF I-69 EXPRESSWAY; THENCE ALONG SAID SOUTHERLY RIGHT OF WAY LINE SOUTH 72 DEGREES 42 MINUTES 12 SECONDS EAST, 57.79 FEET AND SOUTH 54 DEGREES 27 MINUTES 12 SECONDS EAST 499.35 FEET AND NORTH 88 DEGREES 16 MINUTES 10 SECONDS EAST 273.85 FEET AND SOUTH 46 DEGREES 43 MINUTES 50 SECONDS EAST, 99.00 FEET AND SOUTH 01 DEGREE 43 MINUTES 50 SECONDS EAST 400.00 FEET AND NORTH 88 DEGREES 16 MINUTES 10 SECONDS EAST 25.00 FEET AND SOUTH 01 DEGREE 43 MINUTES 50 SECONDS EAST 280.69 FEET (280.00 FEET MEASURED); THENCE NORTH 88 DEGREES 29 MINUTES 05 SECONDS EAST 75 FEET TO THE POINT OF BEGINNING.

BASED ON A FIELD SURVEY, ALL OF THE ABOVE IS BEING DESCRIBED AS:

PART OF THE SOUTHEAST 1/4 AND THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 7 NORTH, RANGE 8 EAST, TOWNSHIP OF DAVIDSON, GENESEE COUNTY, MICHIGAN, DESCRIBED AS FOLLOWS: BEGINNING AT THE EAST 1/4 CORNER OF SECTION 18; THENCE SOUTH 01 DEGREE 55 MINUTES 12 SECONDS EAST 202.20 FEET TO THE CENTER LINE OF LAPEER ROAD; THENCE SOUTH 88 DEGREES 09 MINUTES 35 SECONDS WEST, ALONG SAID CENTERLINE 900.00 FEET; THENCE NORTH 01 DEGREE 34 MINUTES 24 SECONDS WEST, 1275.50 FEET TO THE SOUTHERLY RIGHT OF WAY LINE OF I-69 EXPRESSWAY (WIDTH VARIES); THENCE ALONG SAID SOUTHERLY RIGHT OF WAY LINE, SOUTH 72 DEGREES 42 MINUTES 12 SECONDS EAST, 57.79 FEET AND SOUTH 54 DEGREES 27 MINUTES 12 SECONDS EAST 499.35 FEET AND NORTH 88 DEGREES 16 MINUTES 10 SECONDS EAST, 273.85 FEET AND SOUTH 46 DEGREES 43 MINUTES 50 SECONDS EAST, 99.00 FEET TO THE WESTERLY LINE OF IRISH ROAD (WIDTH VARIES); THENCE ALONG SAID WESTERLY LINE, SOUTH 01 DEGREE 43 MINUTES 50 SECONDS EAST, 400.00 FEET AND NORTH 88 DEGREES 16 MINUTES 10 SECONDS EAST, 25.00 FEET AND SOUTH 01 DEGREE 43 MINUTES 50 SECONDS EAST, 280.00 FEET; THENCE NORTH 88 DEGREES 29 MINUTES 05 SECONDS EAST, 75.00 FEET TO THE EAST 1/4 CORNER OF SAID SECTION 18 AND THE POINT OF BEGINNING.

- ISSUED FOR CONSTRUCTION 08.21.19
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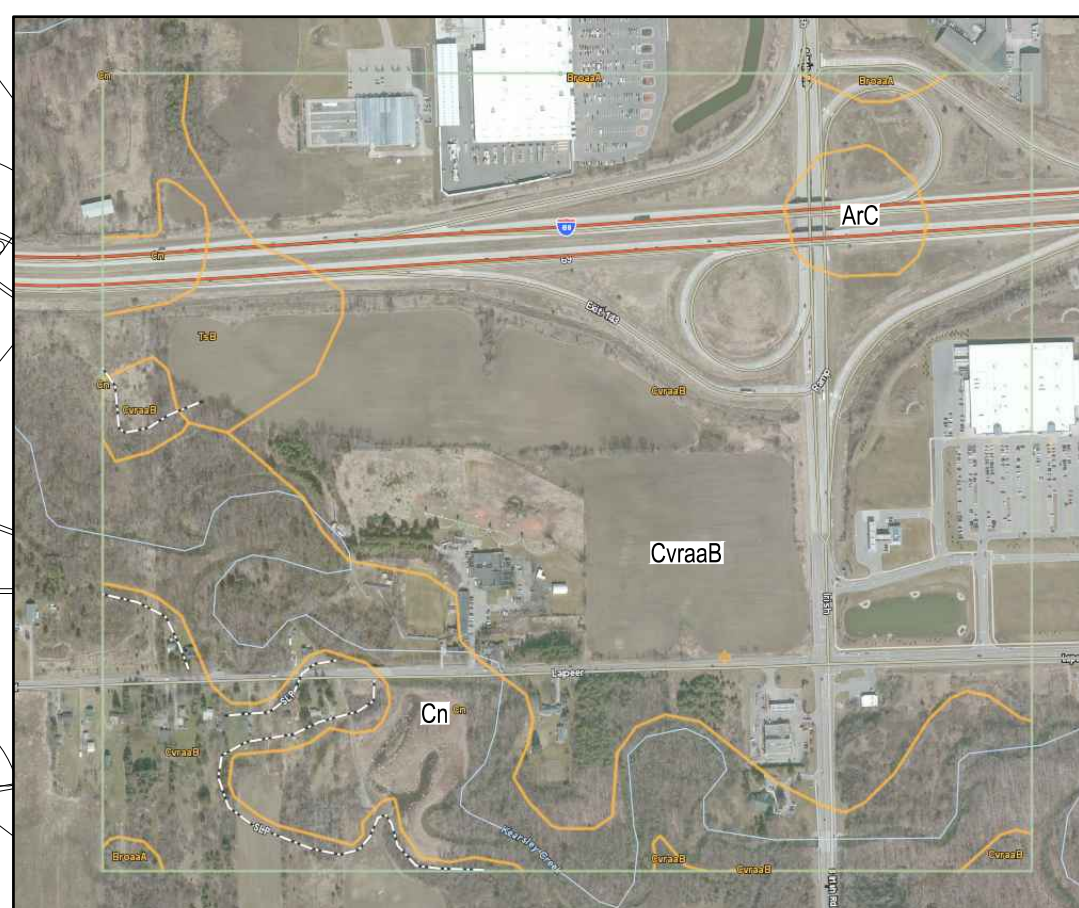
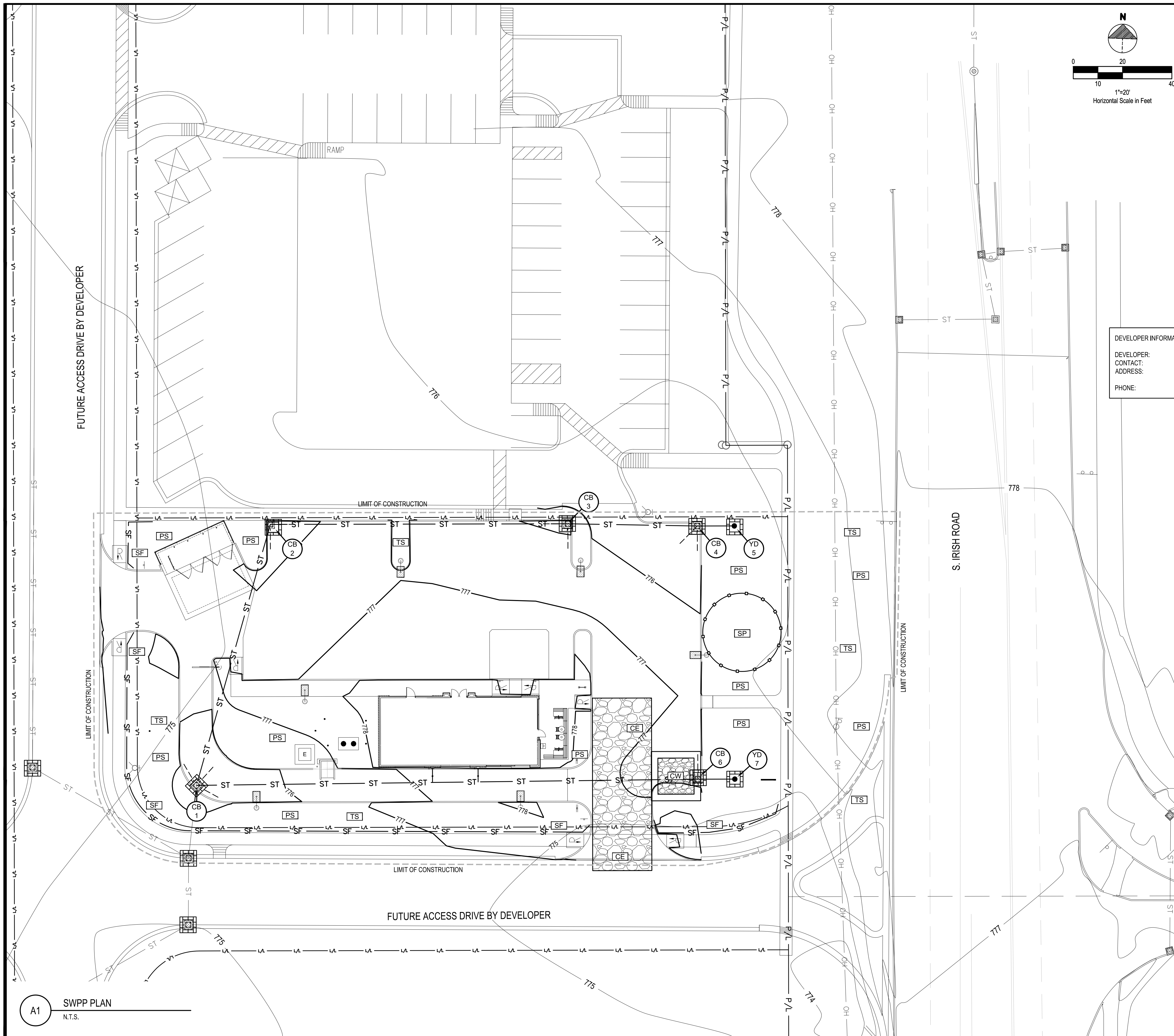
CONTRACT DATE:
BUILDING TYPE: MO T40
PLAN VERSION:
BRAND DESIGNER:
SITE NUMBER: 313076
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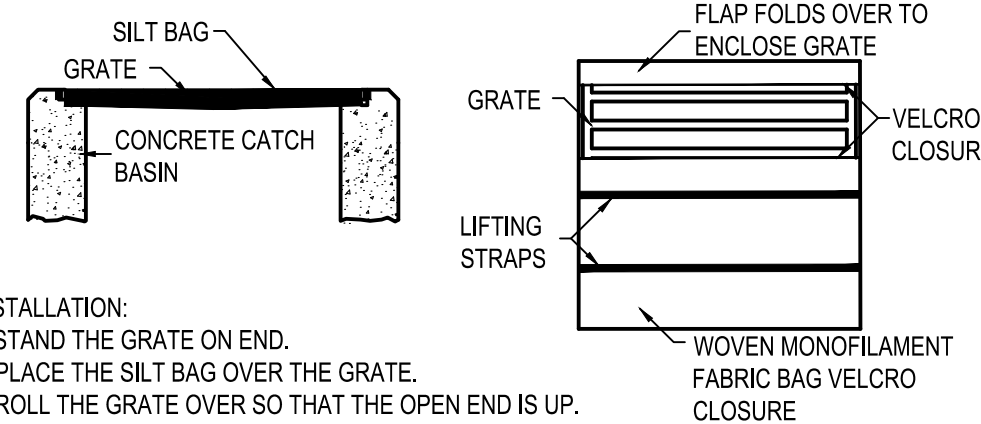
SWPP PLAN

C-132



A5 SOIL MAP
N.T.S.

A1 SWPP PLAN
N.T.S.



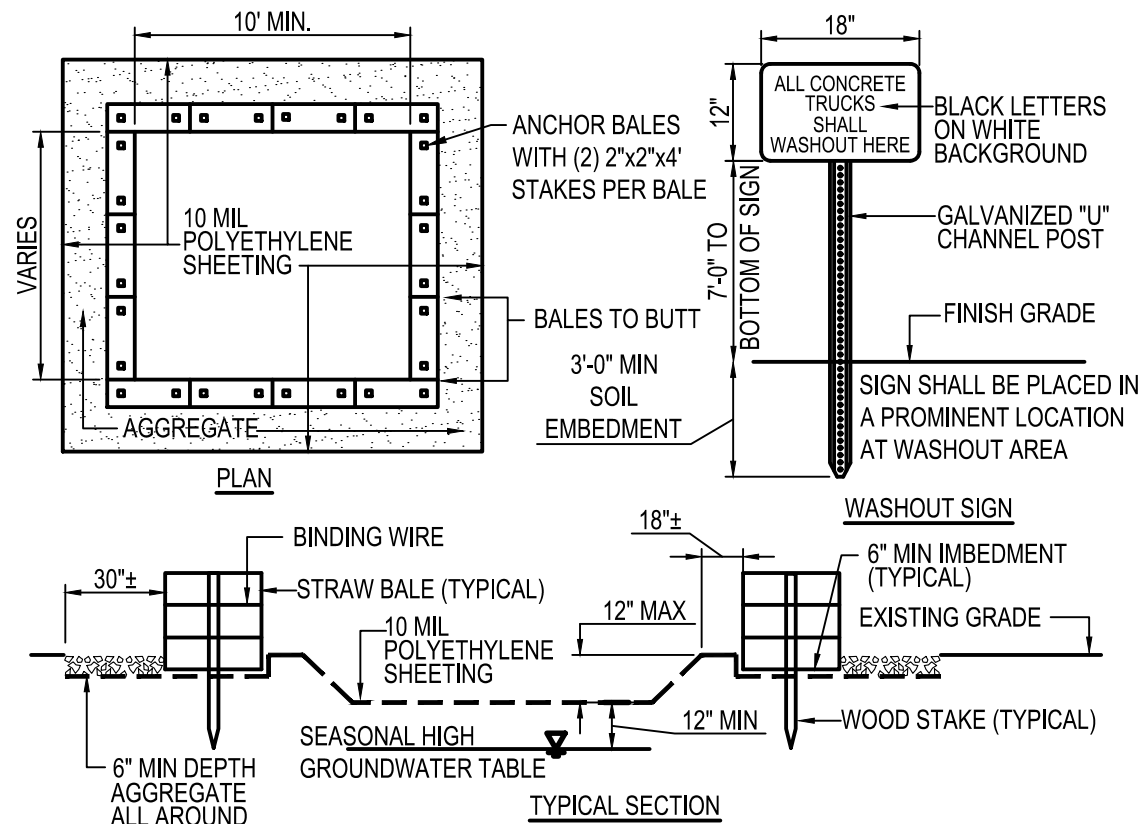
- INSTALLATION:**
1. STAND THE GRATE ON END.
 2. PLACE THE SILT BAG OVER THE GRATE.
 3. ROLL THE GRATE OVER SO THAT THE OPEN END IS UP.
 4. PULL UP THE BAG.
 5. TUCK THE FLAP IN.
 6. PRESS THE VELCRO STRAPS TOGETHER.
 7. BE SURE THAT THE END OF THE GRATE IS COMPLETELY COVERED BY THE FLAP OR THE SILT BAG WILL NOT WORK PROPERLY.
 8. HOLDING THE HANDLES, CAREFULLY PLACE THE SILT BAG WITH THE GRATE INSERTED INTO THE CATCH BASIN FRAME.

MAINTENANCE:
TO INSURE PROPER OPERATION REMOVE SILT, SEDIMENT, AND DEBRIS FROM THE SURFACE AND THE VICINITY OF THE UNIT WITH A SQUARE POINT SHOVEL OR STIFF BRISTLE BROOM AWAY FROM ENVIRONMENTALLY SENSITIVE AREAS AND WATERWAYS IN MANNER SATISFACTORY TO THE ENGINEER/INSPECTOR. REMOVE FINE MATERIAL FROM INSIDE SILT BAG AS NEEDED. DISPOSE OF SILT BAG NO LONGER IN USE AT AN APPROPRIATE RECYCLING OR SOLID WASTE FACILITY.

INLET INSPECTION:
TO INSPECT INLET, REMOVE SILT BAG WITH GRATE INSIDE, INSPECT CATCH BASIN AND REPLACE SILT BAG BACK INTO GRATE FRAME.

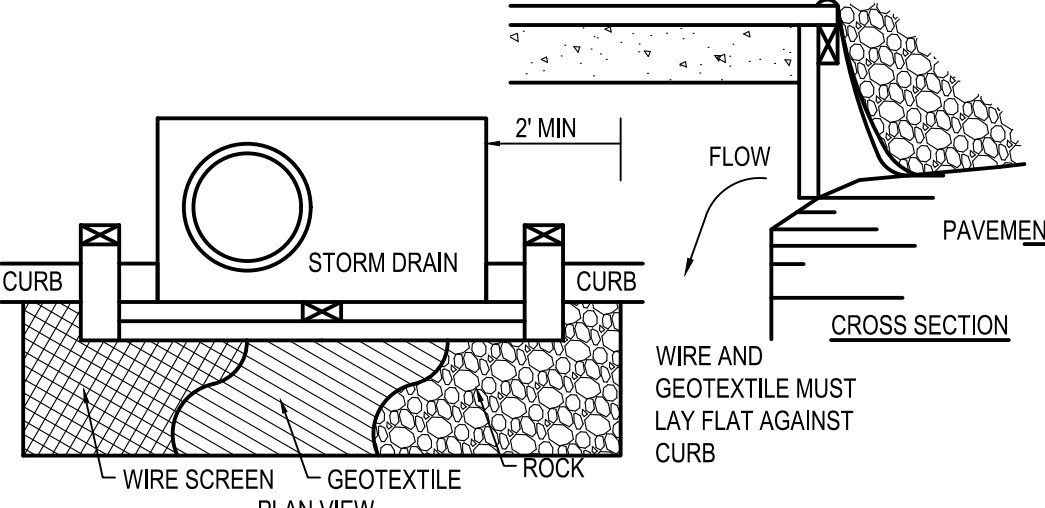
NOTE:
FLOODING IS LIKELY IF SEDIMENT IS NOT REMOVED REGULARLY. THE SILT BAG MUST NEVER BE USED WHERE OVERFLOW MAY ENDANGER AN EXPOSED SLOPE.

C1 SILT BAG INLET PROTECTION
N.T.S.



- NOTES:**
1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
 2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
 3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
 4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
 5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
 6. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

B1 CONCRETE WASHOUT AREA
N.T.S.



1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL.
2. CONSTRUCT A WOODEN FRAME OF 2-BY-4-IN. CONSTRUCTION-GRADE LUMBER. THE END SPACERS SHALL BE A MINIMUM OF 1 FT. BEYOND BOTH ENDS OF THE THROAT OPENING. THE ANCHORS SHALL BE NAILED TO 2-BY-4-IN. STAKES DRIVEN ON THE OPPOSITE SIDE OF THE CURB.
3. THE WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC AND STONE. IT SHALL BE A CONTINUOUS PIECE WITH A MINIMUM WIDTH OF 30 IN. AND 4 FT. LONGER THAN THE THROAT LENGTH OF THE INLET, 2 FT. ON EACH SIDE.
4. GEOTEXTILE CLOTH SHALL HAVE AN EQUIVALENT OPENING SIZE (EOS) OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE AT LEAST THE SAME SIZE AS THE WIRE MESH.
5. THE WIRE MESH AND GEOTEXTILE CLOTH SHALL BE FORMED TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET AND SECURELY FASTENED TO THE 2-BY-4-IN. FRAME.
6. TWO-INCH STONE SHALL BE PLACED OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE CLOTH.
7. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE STONE AND/OR GEOTEXTILE REPLACED WHEN CLOGGED WITH SEDIMENT.

C2 CURB INLET PROTECTION
N.T.S.

COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS

MATERIAL TYPE	3 mil HDPE	5 mil HDPE	5 mil HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (MFPP)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12", 18"	12", 18", 24", 32"	12", 18", 24", 32"	12", 18", 24", 32"	12", 18", 24", 32"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS

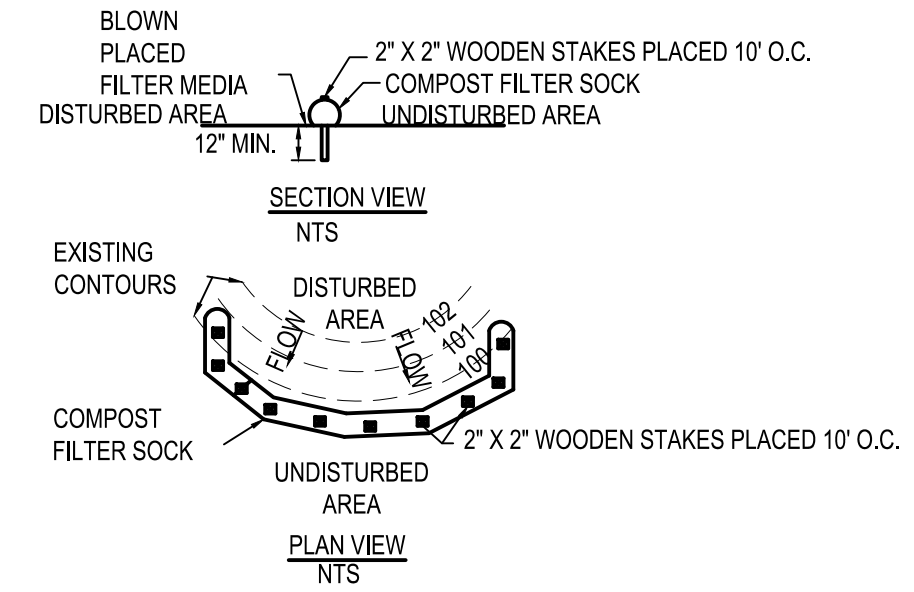
TWO-PLY SYSTEMS

INNER CONTAINMENT NETTING	HDPE BIAXIAL NET
	CONTINUOUSLY WOUND
	FUSION-WELDED JUNCTURES
	3/4" X 3/4" MAX. APERTURE SIZE
OUTER FILTRATION MESH	COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER & NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH)
	3/16" MAX. APERTURE SIZE

SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS

COMPOST SHALL MEET THE FOLLOWING STANDARDS:

ORGANIC MATTER CONTENT	80% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.0
MOISTURE CONTENT	35% - 55%
PARTICLE SIZE	98% PASS THROUGH 1" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 gS MAXIMUM



COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT.

TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.

ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.

SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH 1/2 INCH STORM RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.

BIODEGRADABLE FILTER SOCK SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

A3 COMPOST FILTER SOCK
N.T.S.

- NOTES:**
- 1) SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
 - 2) ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
 - 3) TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.
 - 4) WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
 - 5) WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
 - 6) THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 IN. ABOVE THE ORIGINAL GROUND SURFACE.
 - 7) THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP, AND SECURELY SEALED.
 - 8) POSTS SHALL BE A MINIMUM OF 5 FEET LONG, 2 INCHES IN DIAMETER AND SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
 - 9) THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
 - 10) THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 IN. OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6 IN. DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.

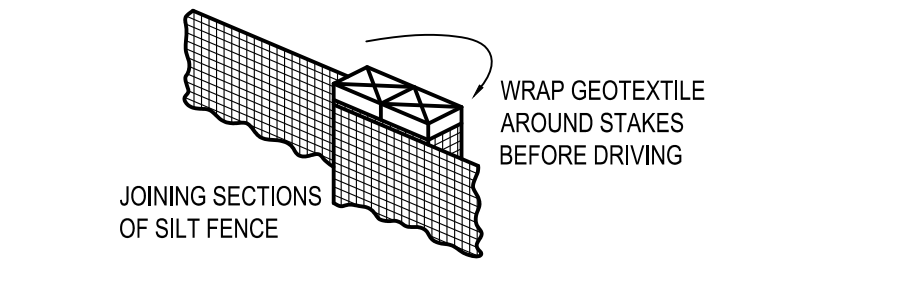
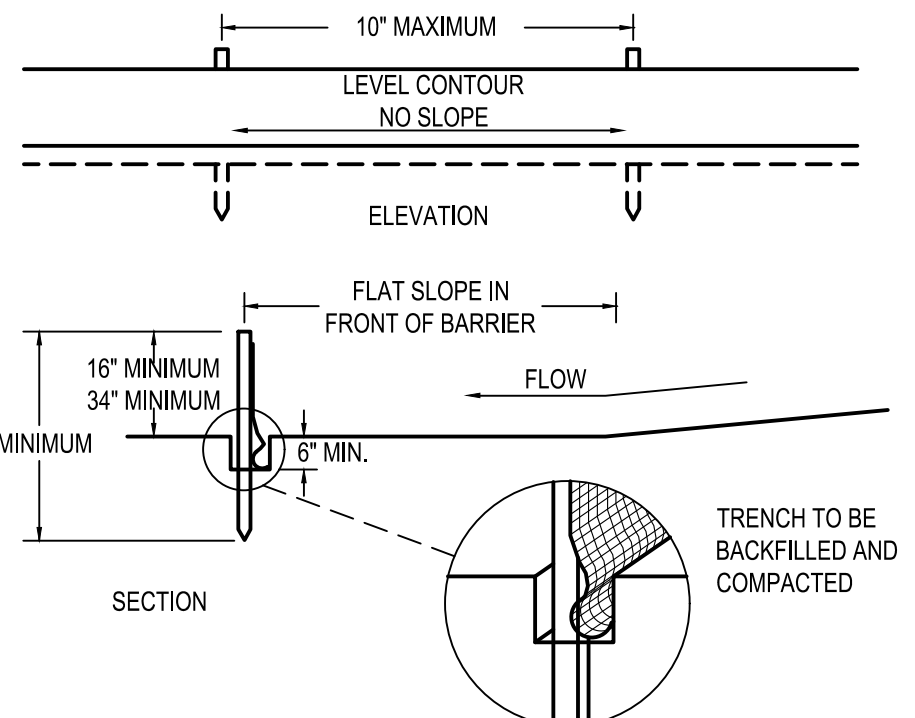
11) WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.

12) THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

13) SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.

14) SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: A) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, B) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR C) OTHER PRACTICES SHALL BE INSTALLED.

MAINTENANCE:
SILT FENCE SHOULD BE INSPECTED REGULARLY AND FREQUENTLY AS WELL AS AFTER EACH RAINFALL EVENT TO INSURE THAT THEY ARE INTACT AND THERE ARE NO GAPS AT THE FENCE-GROUND INTERFACE OR TEARS ALONG THE LENGTH OF THE FENCE. IF GAPS OR TEARS ARE FOUND, THEY SHOULD BE REPAIRED OR THE FABRIC REPLACED IMMEDIATELY. ACCUMULATED SEDIMENTS SHOULD BE REMOVED FROM THE FENCE BASE WHEN THE SEDIMENT REACHES ONE-THIRD TO ONE-HALF THE HEIGHT OF THE FENCE. SEDIMENT REMOVAL SHOULD OCCUR MORE FREQUENTLY IF ACCUMULATED SEDIMENT IS CREATING NOTICEABLE STRAIN ON THE FABRIC AND THERE IS THE POSSIBILITY OF THE FENCE FAILING FROM A SUDDEN STORM EVENT. WHEN THE SILT FENCE IS REMOVED, THE ACCUMULATED SEDIMENT SHOULD BE REMOVED.

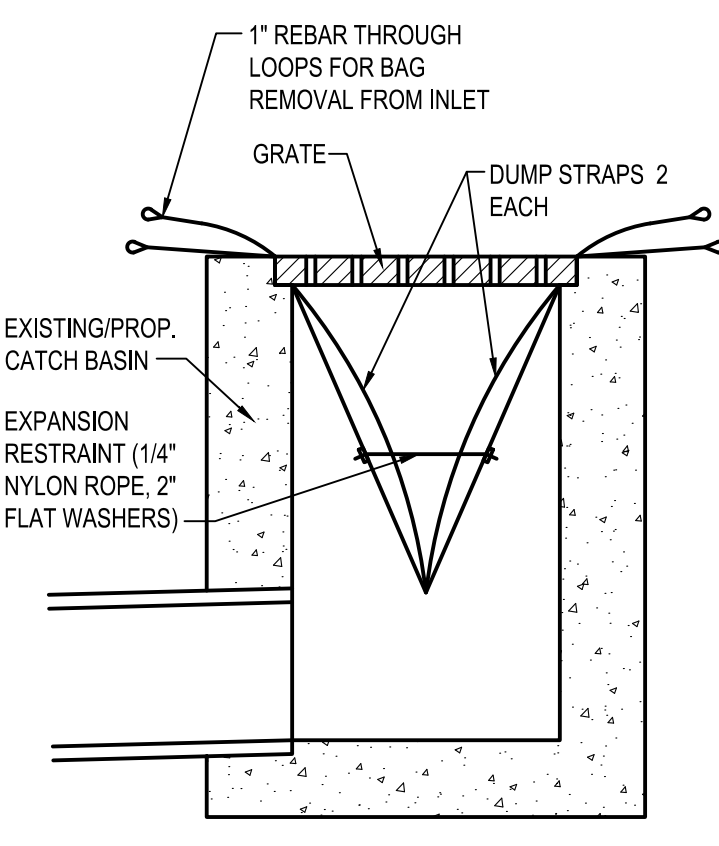


CRITERIA FOR GEOTEXTILE FABRIC SILT FENCE, PER CURRENT STATE'S DOT SPECIFICATIONS.

FABRIC PROPERTIES	VALUES	TEST METHOD
MINIMUM TENSILE STRENGTH	120 LB. MINIMUM	ASTM D 4832
MINIMUM BURST STRENGTH	200 PSI MINIMUM	
MINIMUM PERMITTIVITY	1x10 ⁻² sec-1	ASTM D 4491
APPARENT OPENING SIZE	AOS < 0.84 mm	ASTM D 4751
UV EXPOSURE STRENGTH RETENTION	70%	ASTM G 4335
MAXIMUM ELONGATION AT 60 LBS.	50%	ASTM D 4832
MINIMUM PUNCTURE STRENGTH	50 LBS (220N)	ASTM D 4833
MINIMUM TEAR STRENGTH	40 LBS (180N)	ASTM D 4833

A4 SILT FENCE
N.T.S.

A1 SILTSACK DETAIL
N.T.S.



- △ ISSUED FOR CONSTRUCTION 08.21.19
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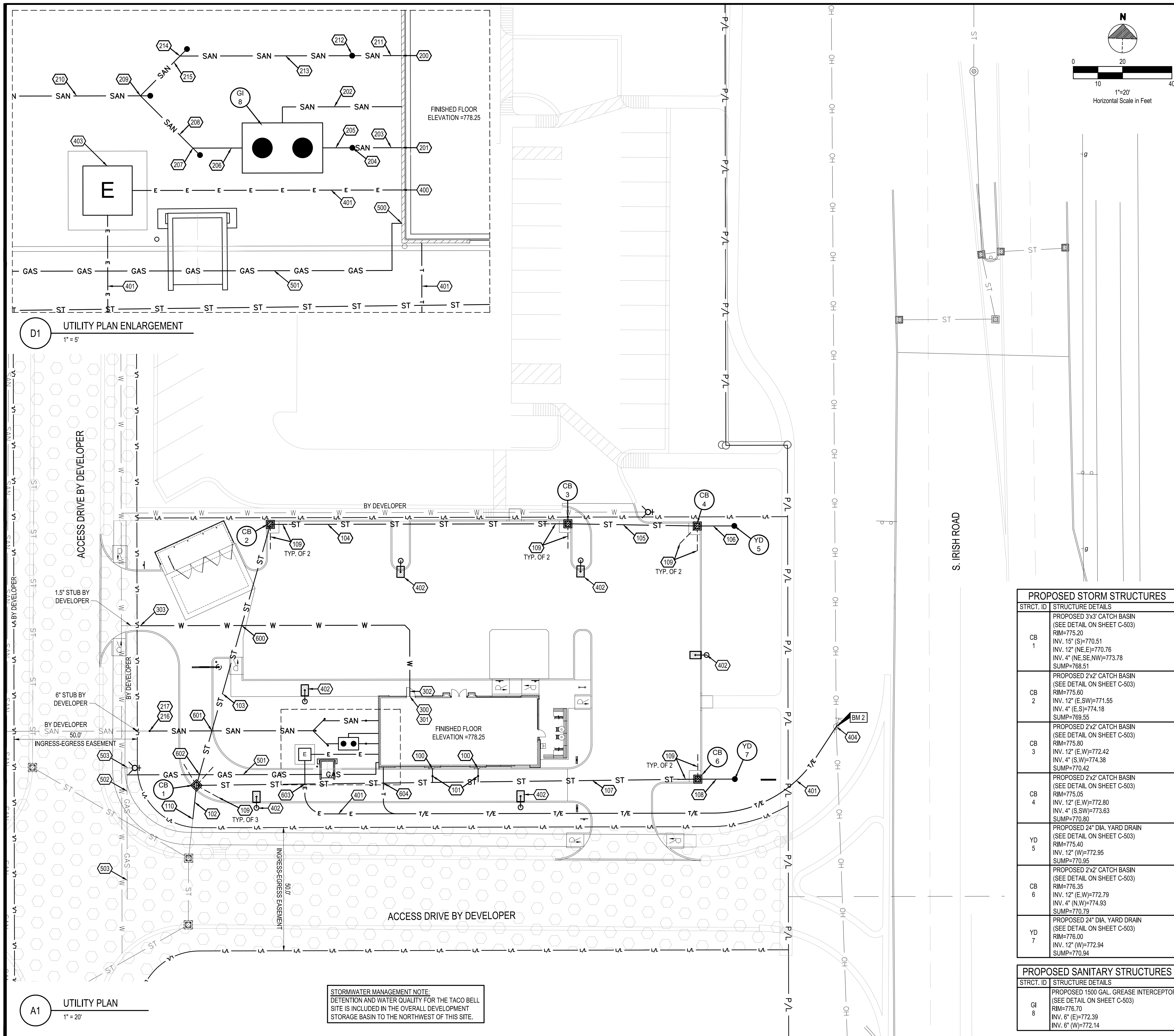
CONTRACT DATE:
BUILDING TYPE: MO T40
PLAN VERSION:
BRAND DESIGNER:
SITE NUMBER: 313076
STORE NUMBER:

TACO BELL
7931 LAPEER ROAD
DAVISON, MI 48423



SWPP NOTES AND DETAILS

C-134



PLAN KEYNOTES

- STORM**
100. DOWNSPOUT INVERT AT BUILDING = 773.25.
 101. CONTRACTOR SHALL INSTALL 6" SDR 35 PVC STORM PIPES AND SUPPLY FITTINGS AS REQUIRED TO CONNECT PROPOSED DOWNSPOUT CONNECTIONS TO PROPOSED STORM LINE. STORM PIPES SHALL BE INSTALLED AT A MINIMUM OF 2.0% SLOPES AND CONNECT INTO PROPOSED STORM LINE. ALL PIPES SHALL MAINTAIN A MINIMUM COVER OF FOUR (4) FEET. THE CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED PIPE LOCATIONS AND NOTIFY CONSTRUCTION MANAGER IMMEDIATELY IF THERE ARE ANY ISSUES MAINTAINING POSITIVE DRAINAGE. CONTRACTOR SHALL INSTALL CLEANOUTS AS SHOWN ON PLAN (3" OUTSIDE BUILDING). FLUSH WITH FINISHED PAVEMENT GRADE. SEE SHEET C-503.
 102. PROPOSED 14 L.F. OF 15" HDPE @ 0.32%.
 103. PROPOSED 110 L.F. OF 12" HDPE @ 0.72%.
 104. PROPOSED 121 L.F. OF 12" HDPE @ 0.72%.
 105. PROPOSED 53 L.F. OF 12" RCP @ 0.72%.
 106. PROPOSED 15 L.F. OF 12" HDPE @ 1.00%.
 107. PROPOSED 203 L.F. OF 12" HDPE @ 1.00%.
 108. PROPOSED 15 L.F. OF 12" HDPE @ 1.00%.
 109. PROPOSED FINGER DRAIN. SEE SHEET C-502.
 110. PROPOSED WATER TIGHT CONNECTION TO DEVELOPER STORM SYSTEM. PROP. 12" INV.=770.47±

- SANITARY**
200. PROPOSED SANITARY CONNECTION TO BUILDING. INV.=773.04.
 201. PROPOSED SANITARY CONNECTION TO BUILDING. INV.=772.87.
 202. PROPOSED SANITARY VENT BACK TO BUILDING. SEE ARCHITECTURAL SHEETS.
 203. PROPOSED 5 L.F. OF 6" PVC SDR 26 @ 6.0%.
 204. PROPOSED LAWN CLEANOUT AND WYE CONNECTION INV.=772.57. SEE SHEET C-503.
 205. PROPOSED 3 L.F. OF 6" PVC SDR 26 @ 6.0%.
 206. PROPOSED 5 L.F. OF 6" PVC SDR 26 @ 6.0%.
 207. PROPOSED LAWN CLEANOUT AND WYE CONNECTION INV.=771.84. SEE SHEET C-503.
 208. PROPOSED 8 L.F. OF 6" PVC SDR 26 @ 6.0%.
 209. PROPOSED WYE CONNECTION. 6" INV.=771.36. SEE SHEET C-503.
 210. PROPOSED 66 L.F. OF 6" PVC SDR 26 @ 6.0%.
 211. PROPOSED 5 L.F. OF 6" PVC SDR 26 @ 6.0%.
 212. PROPOSED LAWN CLEANOUT AND WYE CONNECTION INV.=772.74. SEE SHEET C-503.
 213. PROPOSED 17 L.F. OF 6" PVC SDR 26 @ 6.0%.
 214. PROPOSED LAWN CLEANOUT AND WYE CONNECTION INV.=771.72. SEE SHEET C-503.
 215. PROPOSED 6 L.F. OF 6" PVC SDR 26 @ 6.0%.
 216. PROPOSED LAWN CLEANOUT AND WYE CONNECTION INV.=767.40±. SEE SHEET C-503.
 217. PROPOSED CONNECTION TO DEVELOPER STUB. 6" INV.=767.40±. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING STUB AND VERIFYING INVERT ELEVATION.

- WATER**
300. PROPOSED WATER CONNECTION. COORDINATE WITH PLUMBING PLANS.
 301. PROPOSED WATER METER AND BACKFLOW PREVENTOR INSIDE BUILDING PER TOWNSHIP OF DAVISON STANDARDS AND SPECIFICATIONS. BACKFLOW PREVENTOR SHALL BE LOCATED AFTER THE METER.
 302. PROPOSED 137 L.F. OF 1-1/2" (COPPER TYPE K) WATER SERVICE LINE.
 303. PROPOSED CONNECTION TO DEVELOPER WATER STUB. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING AND VERIFYING STUB SIZE PRIOR TO INSTALLATION. COORDINATE WATER CONNECTION WITH THE DEVELOPER'S CONTRACTOR FOR CONNECTION AND TIMING OF CONNECTION.

- ELECTRIC AND COMMUNICATIONS**
400. PROPOSED ELECTRIC METER PER ELECTRIC COMPANY SPECIFICATIONS. SEE BUILDING DRAWINGS FOR EXACT LOCATION. ELECTRIC SERVICE LINE TO BE COORDINATED WITH THE ELECTRIC COMPANY.
 401. PROPOSED ELECTRIC AND TELECOMMUNICATIONS SERVICE CONDUITS TO BE COORDINATED WITH THE UTILITY COMPANIES.
 402. PROPOSED LIGHT POLE. SEE SHEET C-501. SEE ELECTRICAL DRAWINGS FOR FOUNDATION SPECIFICATIONS.
 403. PROPOSED ELECTRICAL TRANSFORMER AND CONCRETE PAD PER ELECTRICAL COMPANY SPECIFICATIONS. G.C. TO VERIFY EXACT LOCATION AND SIZE WITH UTILITY ENGINEER. PROPOSED CONNECTION TO EXISTING ELECTRICAL AND COMMUNICATIONS SERVICE. CONTRACTOR SHALL COORDINATE CONNECTION WITH THE PROPER UTILITY COMPANY. PRIOR TO COORDINATION, THE CONTRACTOR SHALL COORDINATE WITH THE DEVELOPER TO CONFIRM SERVICE WILL NO BE BROUGHT TO THE SITE. COORDINATE WITH CONSTRUCTION MANAGER IF DEVELOPER WILL PROVIDE SERVICE TO SITE.

- GAS**
500. PROPOSED GAS METER PER GAS COMPANY SPECIFICATIONS. SEE BUILDING DRAWINGS FOR EXACT LOCATION. GAS SERVICE LINE TO BE COORDINATED WITH THE GAS COMPANY.
 501. PROPOSED 2" GAS SERVICE TO BE COORDINATED WITH THE GAS COMPANY/DEVELOPER.
 502. PROPOSED CONNECTION TO DEVELOPER MAIN. CONTRACTOR SHALL COORDINATE WITH THE DEVELOPER'S CONTRACTOR FOR LOCATION AND TIMING OF CONNECTION.
 503. GAS EXTENSION FROM MAIN BY OTHERS.

- UTILITY CROSSINGS**
- GENERAL CROSSING NOTES: CONTRACTOR SHALL COORDINATE ALL CROSSINGS WITH THE UTILITY COMPANY. PRESSURIZED AND SECONDARY UTILITIES SHALL DEFLECT TO MAINTAIN 18" CLEAR AT SANITARY OR STORM SEWER CROSSINGS.
600. PROPOSED UTILITY CROSSING: 12" STM. INV.=771.24; WATER LINE SHALL DEFLECT.
 601. PROPOSED UTILITY CROSSING: 12" STM. INV.=770.92; 6" SAN. INV.=768.90.
 602. PROPOSED UTILITY CROSSING: 12" STM. INV.=770.80; GAS SHALL DEFLECT.
 603. PROPOSED UTILITY CROSSING: 12" STM. INV.=771.20; ELECTRIC SHALL DEFLECT.
 604. PROPOSED UTILITY CROSSING: 12" STM. INC.=771.52; TELEPHONE SHALL DEFLECT.

PROPOSED STORM STRUCTURES	
STRUCT. ID	STRUCTURE DETAILS
CB 1	PROPOSED 3'x3' CATCH BASIN (SEE DETAIL ON SHEET C-503) RIM=775.20 INV. 15" (S)=770.51 INV. 12" (NE,E)=770.76 INV. 4" (NE,SE,NW)=773.78 SUMP=768.51
CB 2	PROPOSED 2'x2' CATCH BASIN (SEE DETAIL ON SHEET C-503) RIM=775.60 INV. 12" (E,SW)=771.55 INV. 4" (E,S)=774.18 SUMP=769.55
CB 3	PROPOSED 2'x2' CATCH BASIN (SEE DETAIL ON SHEET C-503) RIM=775.80 INV. 12" (E,W)=772.42 INV. 4" (S,W)=774.38 SUMP=770.42
CB 4	PROPOSED 2'x2' CATCH BASIN (SEE DETAIL ON SHEET C-503) RIM=775.05 INV. 12" (E,W)=772.80 INV. 4" (S,W)=773.63 SUMP=770.80
YD 5	PROPOSED 24" DIA. YARD DRAIN (SEE DETAIL ON SHEET C-503) RIM=775.40 INV. 12" (W)=772.95 SUMP=770.95
CB 6	PROPOSED 2'x2' CATCH BASIN (SEE DETAIL ON SHEET C-503) RIM=776.35 INV. 12" (E,W)=772.79 INV. 4" (N,W)=774.93 SUMP=770.79
YD 7	PROPOSED 24" DIA. YARD DRAIN (SEE DETAIL ON SHEET C-503) RIM=776.00 INV. 12" (W)=772.94 SUMP=770.94

PROPOSED SANITARY STRUCTURES	
STRUCT. ID	STRUCTURE DETAILS
GI 8	PROPOSED 1500 GAL. GREASE INTERCEPTOR (SEE DETAIL ON SHEET C-503) RIM=776.70 INV. 6" (E)=772.39 INV. 6" (W)=772.14

NOTE: ALL UNDERGROUND UTILITIES AND PAVEMENTS SHOWN HEREON (EXCEPT FOR SOUTH IRISH ROAD) ARE PROPOSED AT THE TIME THIS DESIGN IS COMPLETED. ALL REFERENCES TO THOSE PAVEMENTS AND UTILITIES ARE PLANNED FOR CONNECTION AT A LATER DATE.

NOTE: CONTRACTOR SHALL REFER TO SHEET C-504 FOR CONSTRUCTION DETAILS FOR ALL SANITARY AND WATER WORK.

BENCHMARKS:

BENCHMARK #1
TOP OF NORTHWEST BOLT ON BASE OF TRAFFIC SIGNAL POLE AT SOUTHEAST PROPERTY CORNER. ELEVATION=777.54 (NAVD 88 DATUM)

BENCHMARK #2 - MAG NAIL ON SOUTH FACE OF POWER POLE BETWEEN EAST PROPERTY LINE AND SOUTH IRISH ROAD. ELEVATION=776.92 (NAVD 88 DATUM)

MICHIGAN'S ONE-CALL UTILITY NOTIFICATION ORGANIZATION

THREE FULL WORKING DAYS BEFORE YOU DIG. CALL THE MISS DIG SYSTEM AT 1-800-482-7171

OR CALL HDIG FREE FROM YOUR AT&T OR CINGULAR CELLULAR PHONE

THE MISS DIG MEMBER UTILITIES WILL MARK THE APPROXIMATE LOCATION OF THEIR UNDERGROUND PUBLIC UTILITY LINES AT NO CHARGE.

D1 UTILITY PLAN ENLARGEMENT
1" = 5'

A1 UTILITY PLAN
1" = 20'

STORMWATER MANAGEMENT NOTE:
DETENTION AND WATER QUALITY FOR THE TACO BELL SITE IS INCLUDED IN THE OVERALL DEVELOPMENT STORAGE BASIN TO THE NORTHWEST OF THIS SITE.

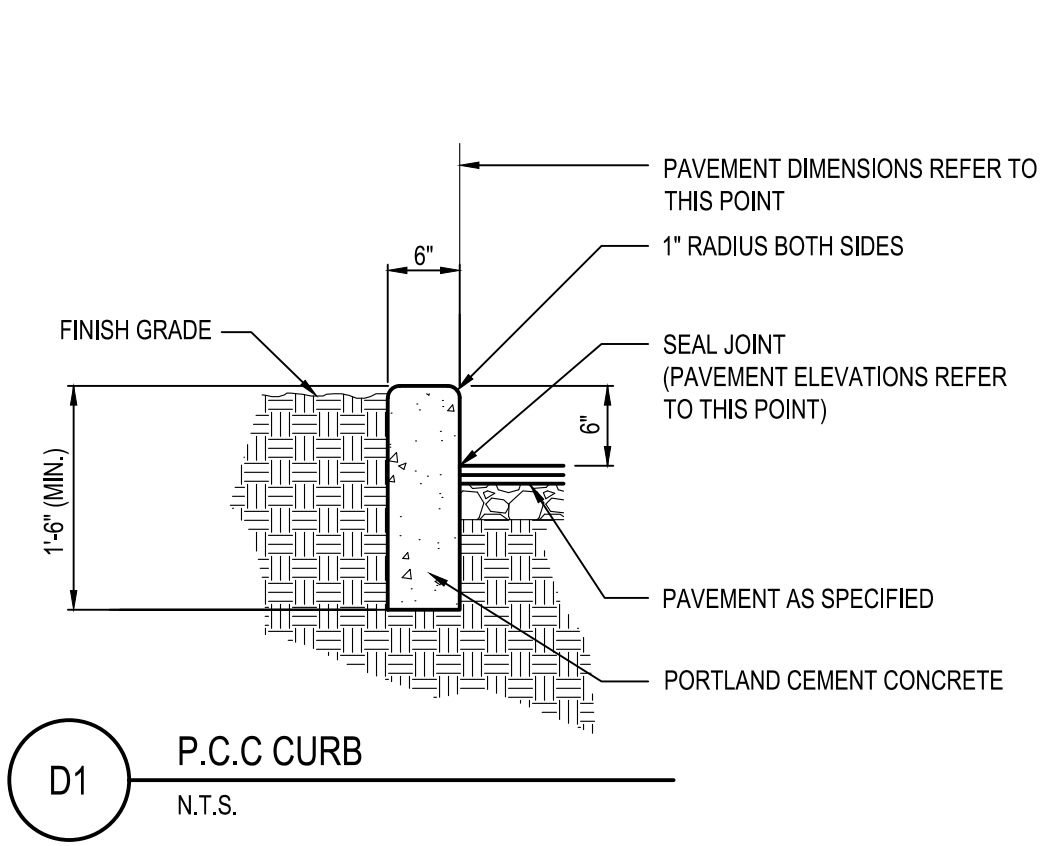
△	ISSUED FOR CONSTRUCTION	08.21.19
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CONTRACT DATE:
BUILDING TYPE: MO T40
PLAN VERSION:
GRAND DESIGNER:
SITE NUMBER: 313076
STORE NUMBER:

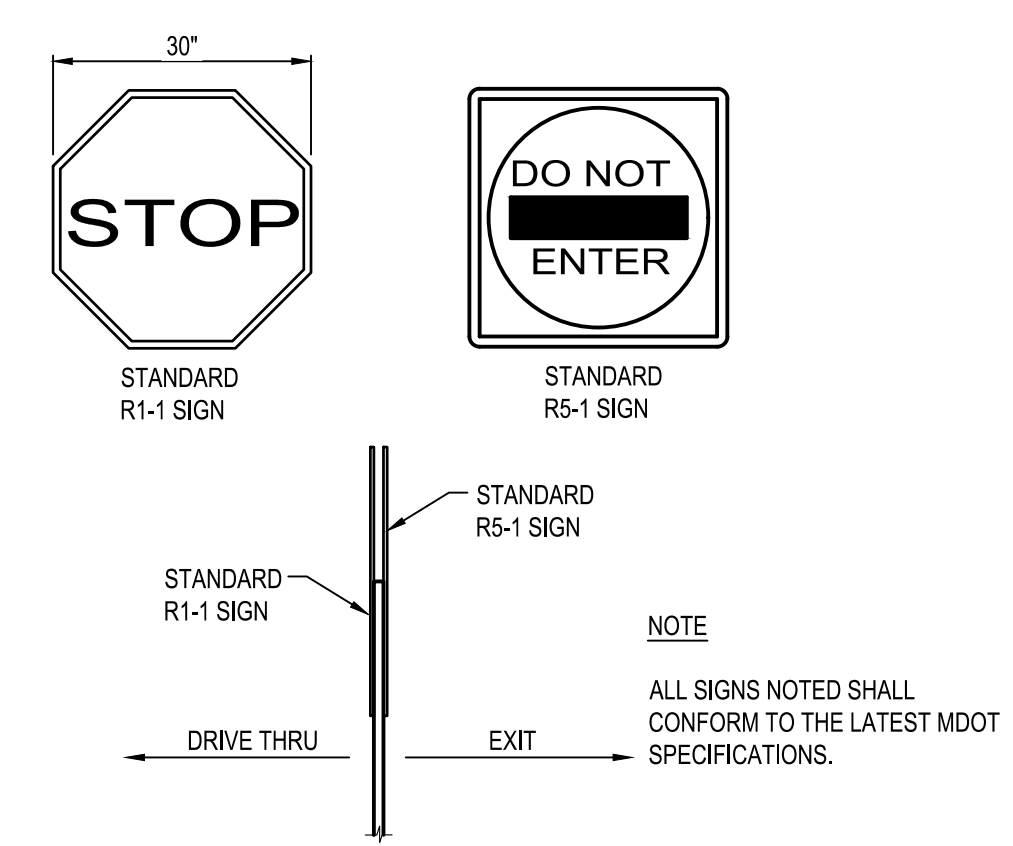
TACO BELL
7931 LAPEER ROAD
DAVISON, MI 48423



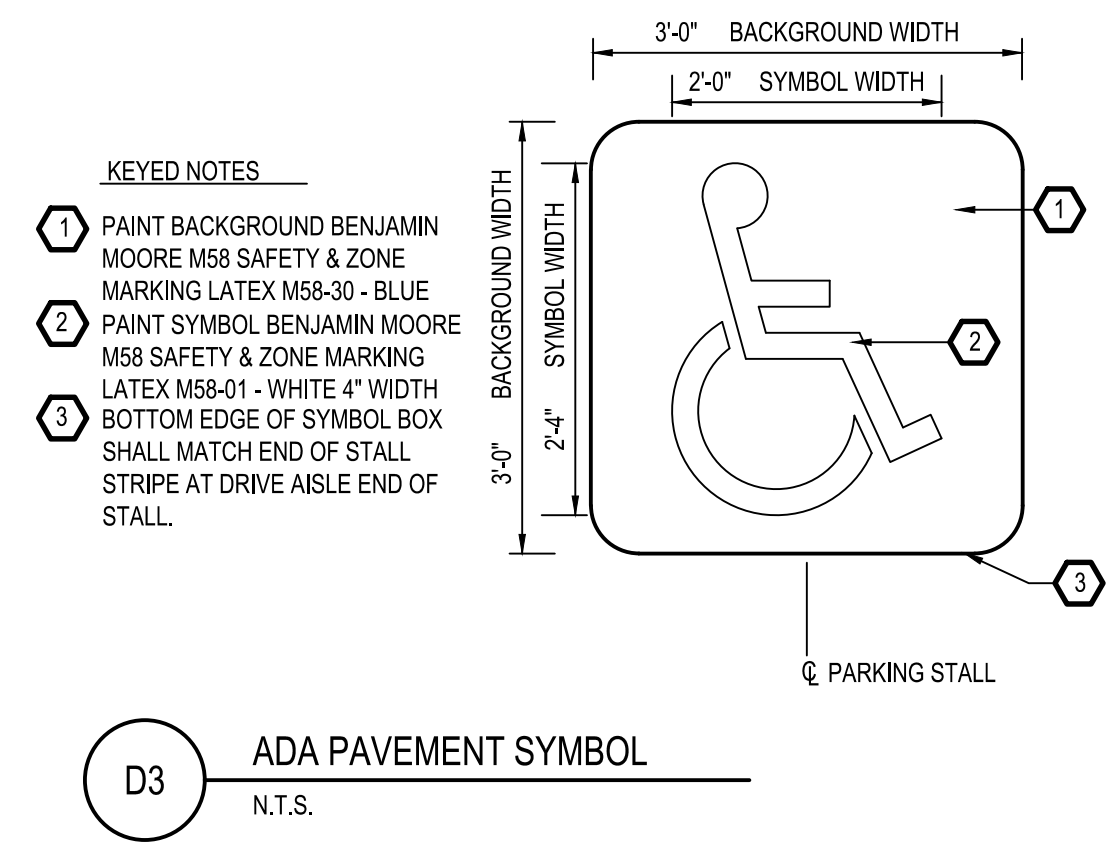
UTILITY PLAN



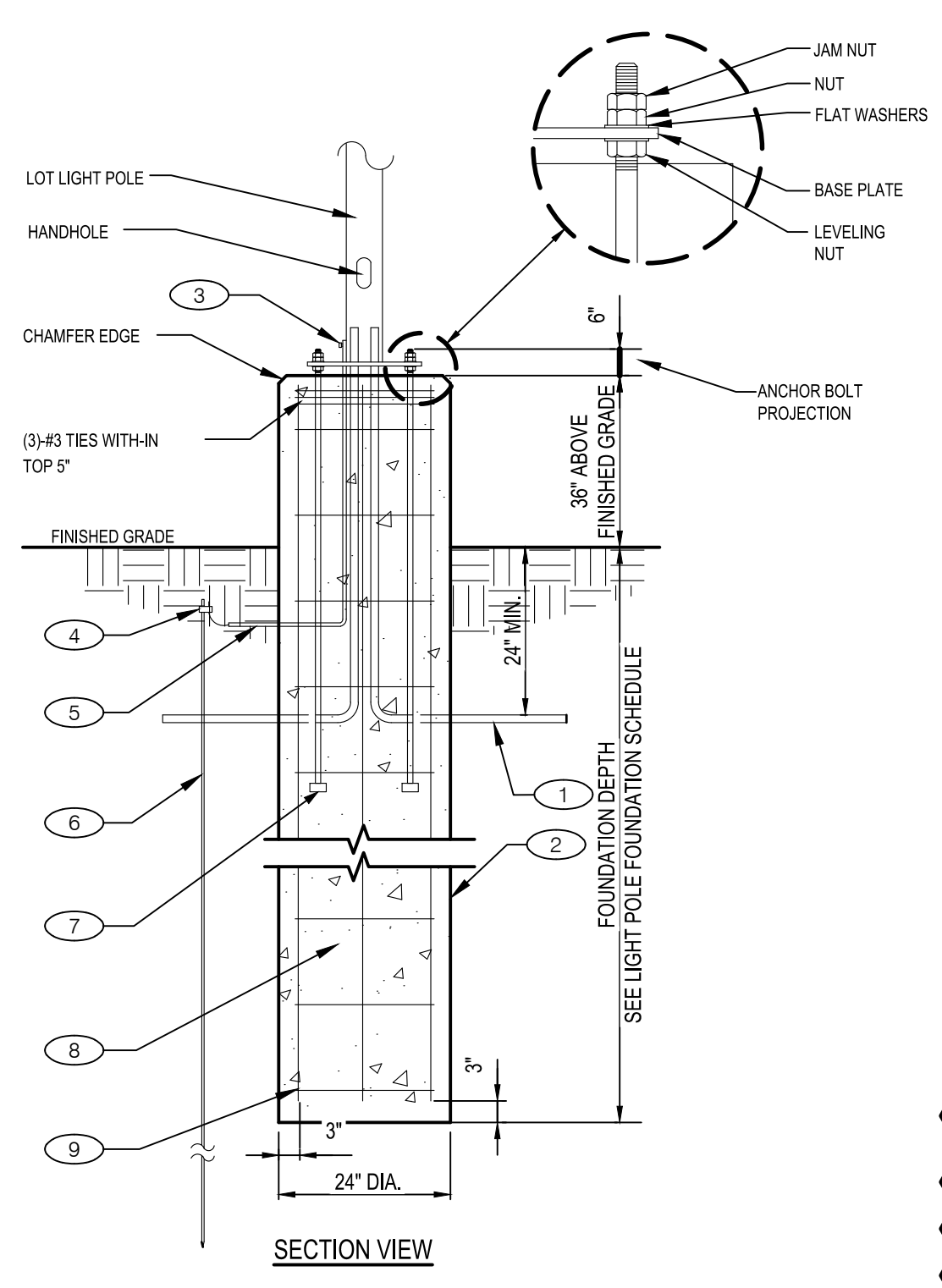
D1 P.C.C CURB
N.T.S.



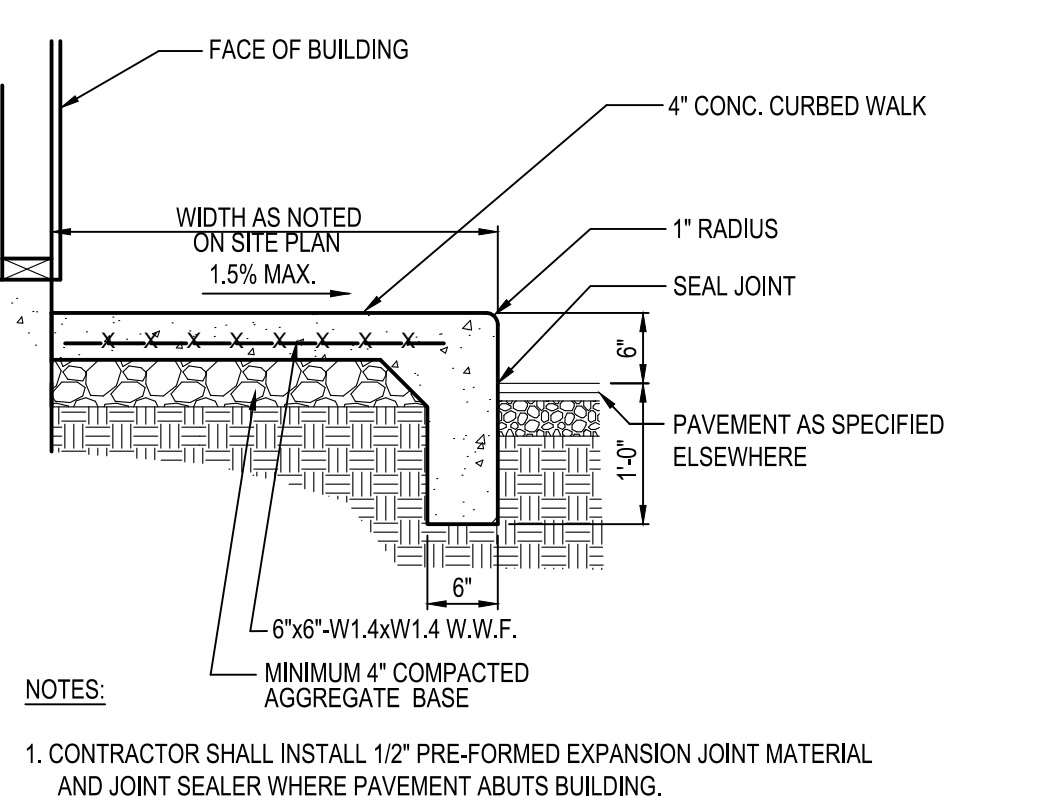
C2 DO NOT ENTER & STOP SIGN
N.T.S.



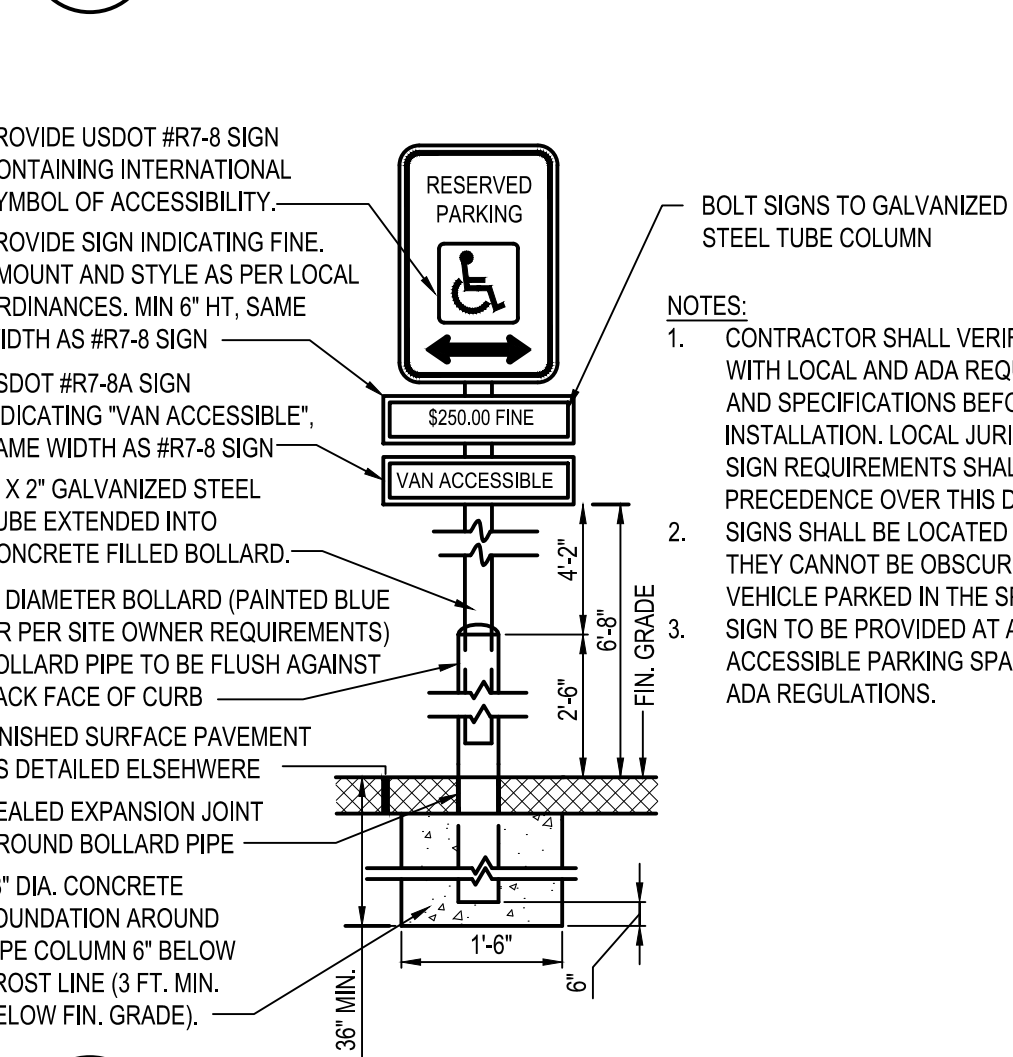
D3 ADA PAVEMENT SYMBOL
N.T.S.



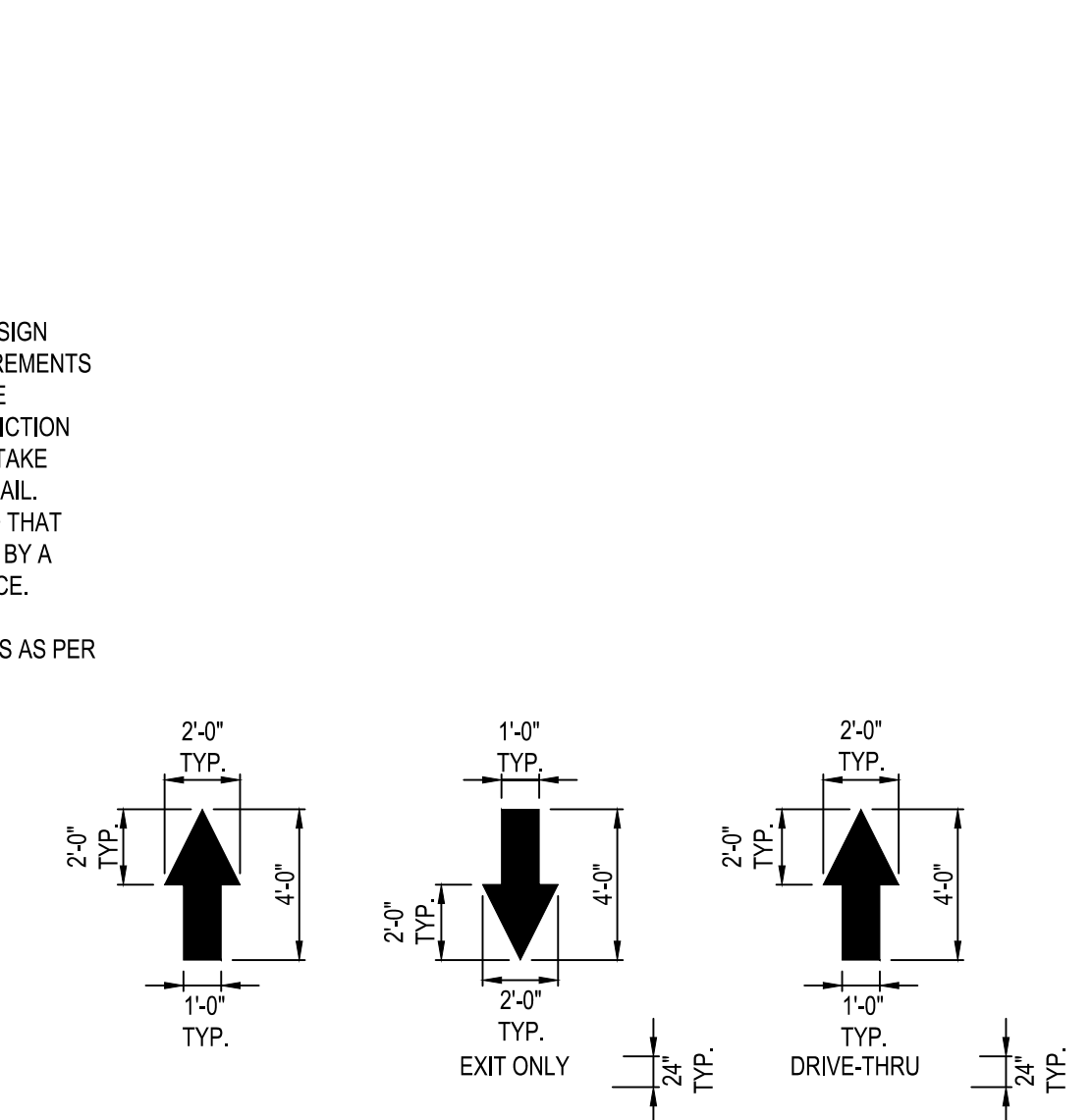
C5 GAS SERVICE TRENCH
N.T.S.



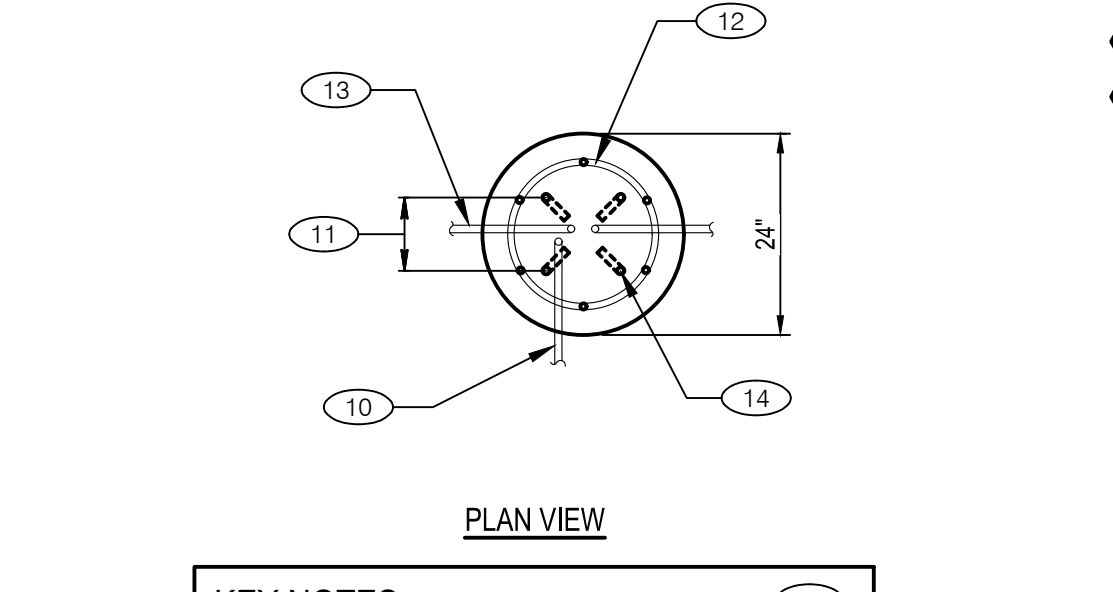
C1 P.C.C CURBED WALK
N.T.S.



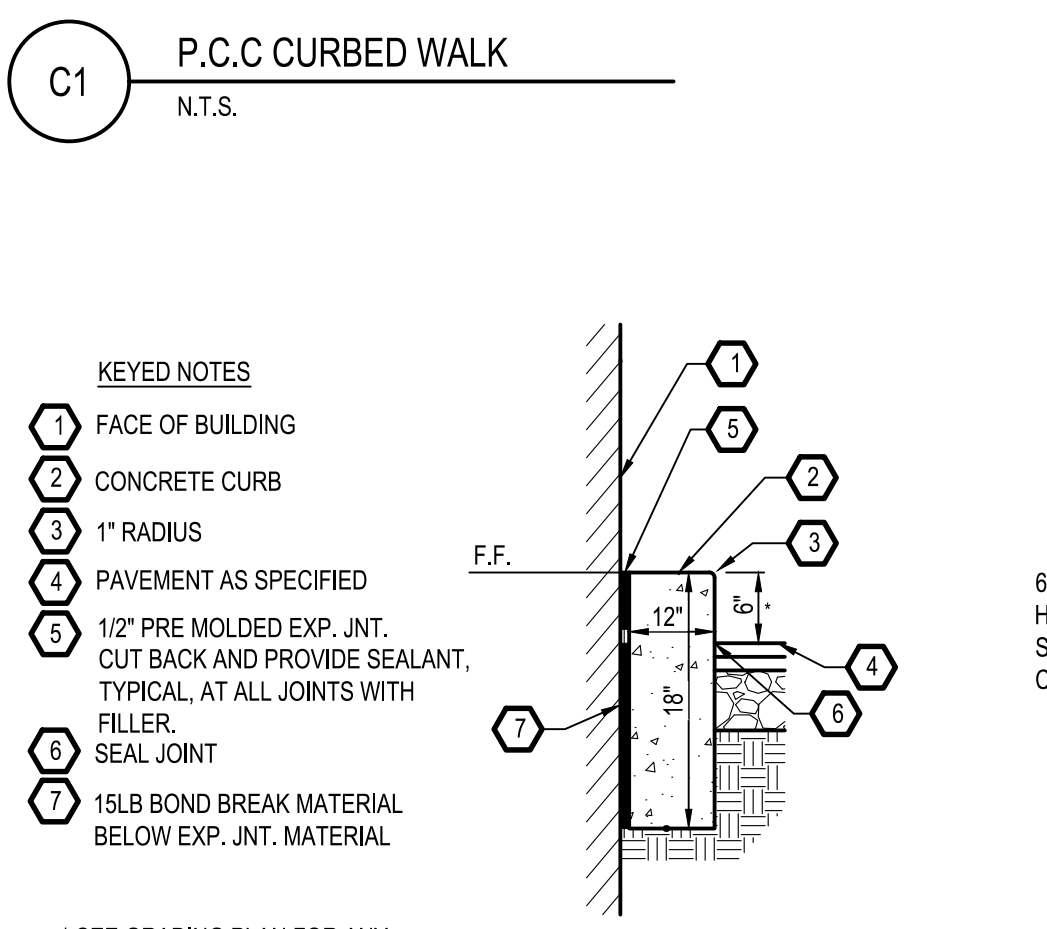
B2 HANDICAPPED PARKING SIGN
N.T.S.



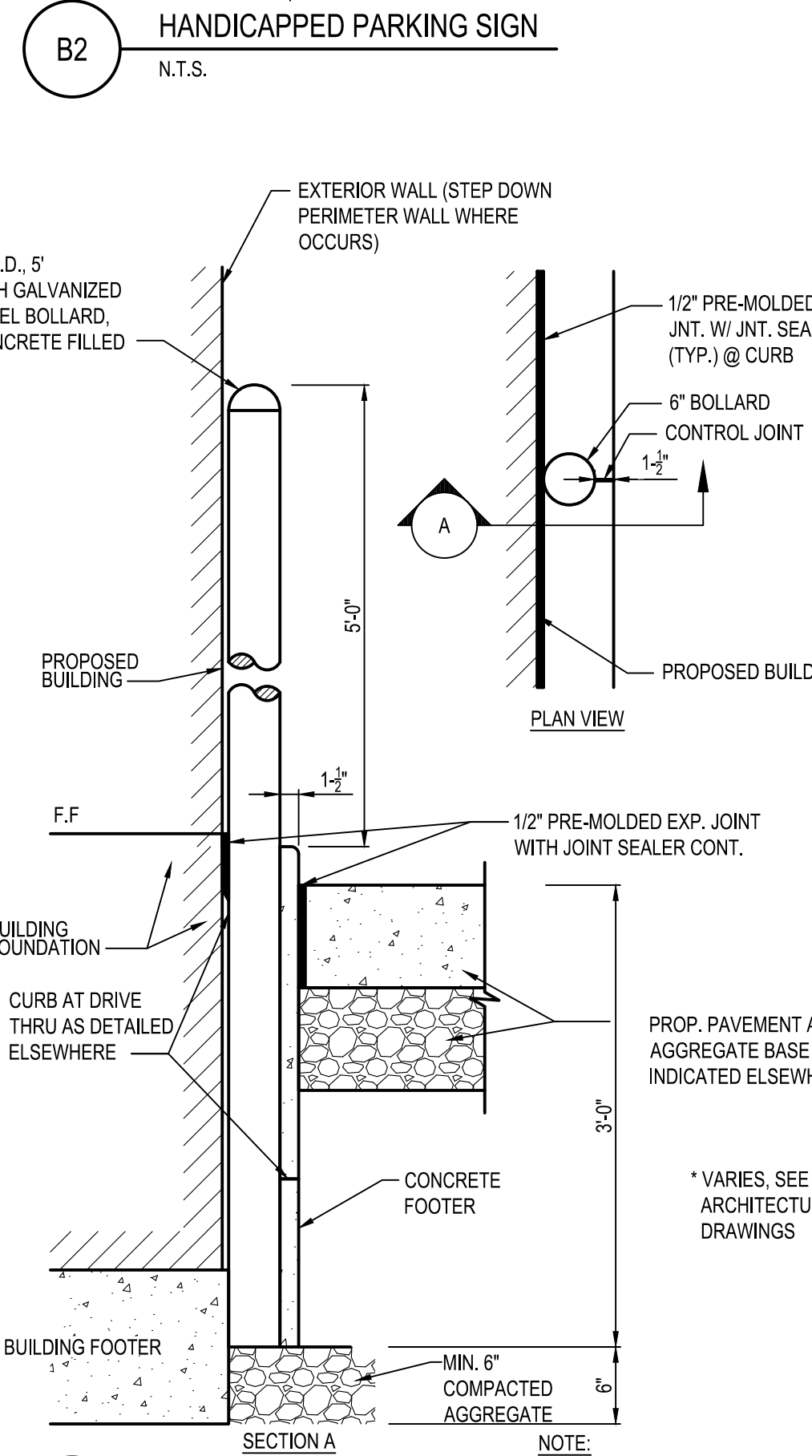
B3 DIRECTIONAL PAVEMENT MARKINGS & NOTES
N.T.S.



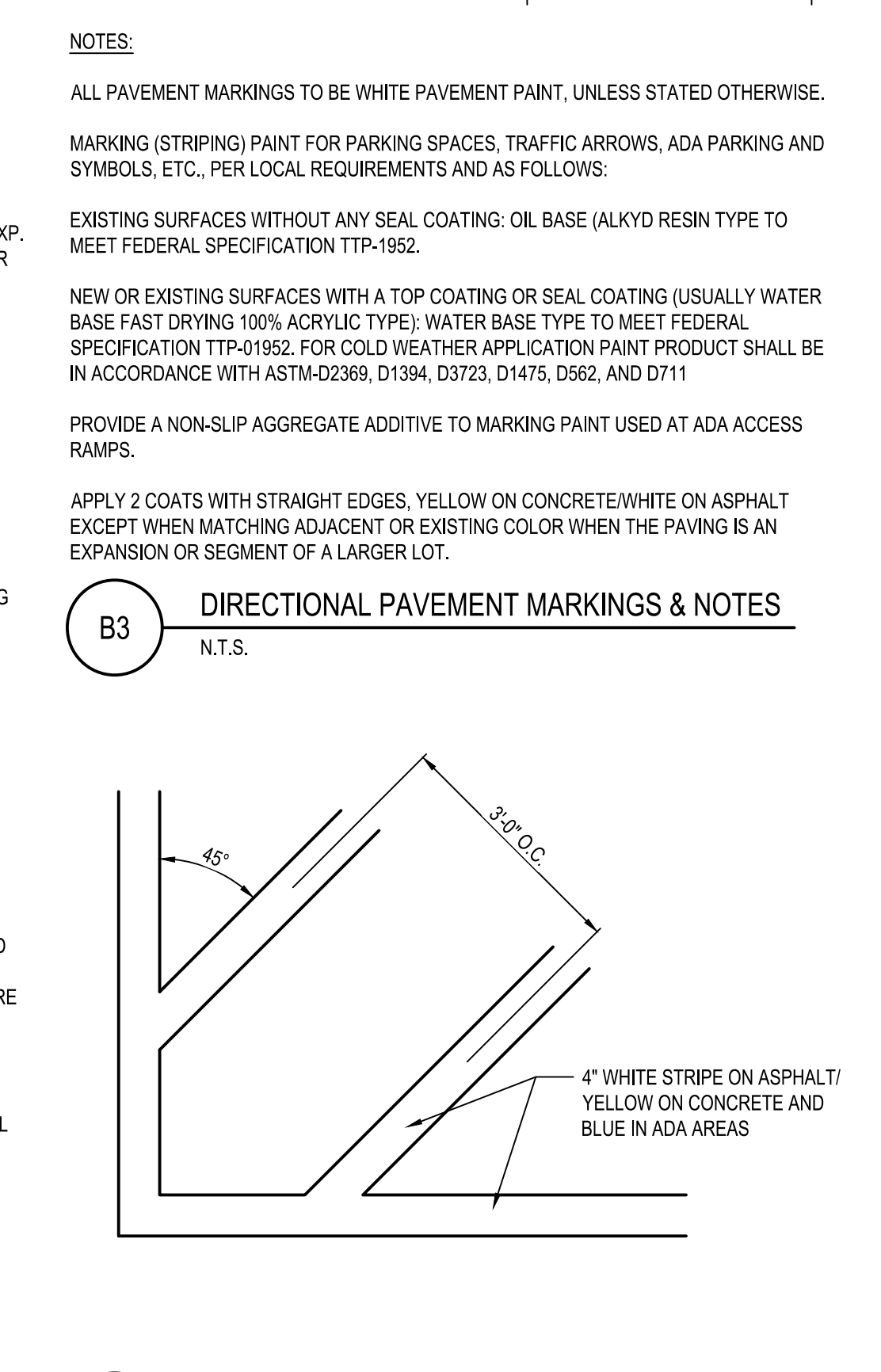
A5 BUTT JOINT
N.T.S.



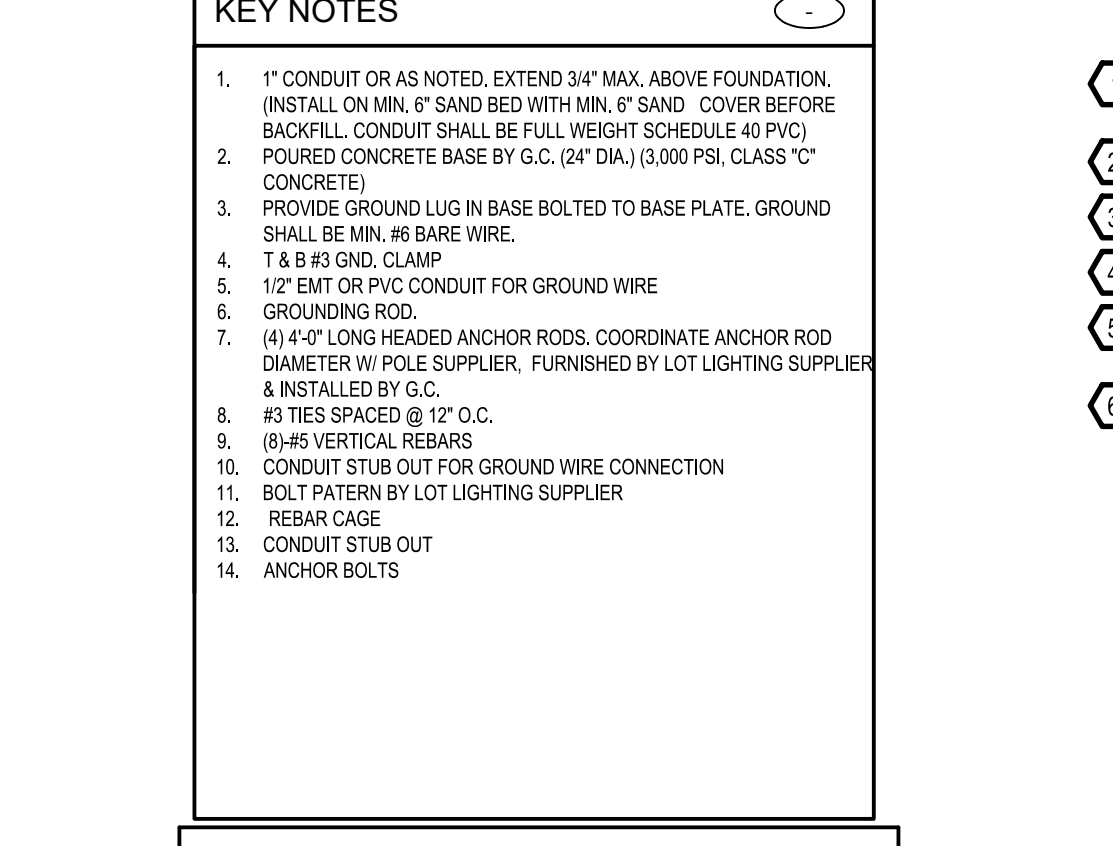
B1 CURB AT DRIVE THRU
N.T.S.



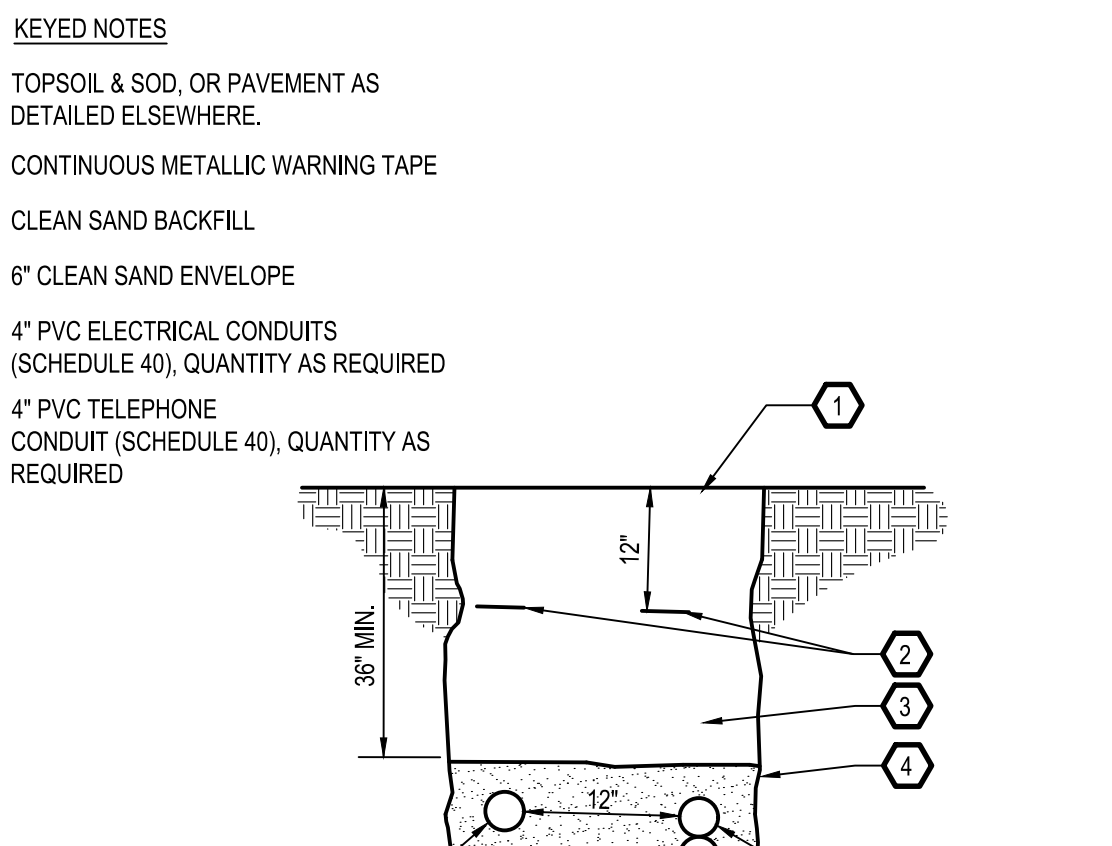
A2 BOLLARD (IN CURB)
N.T.S.



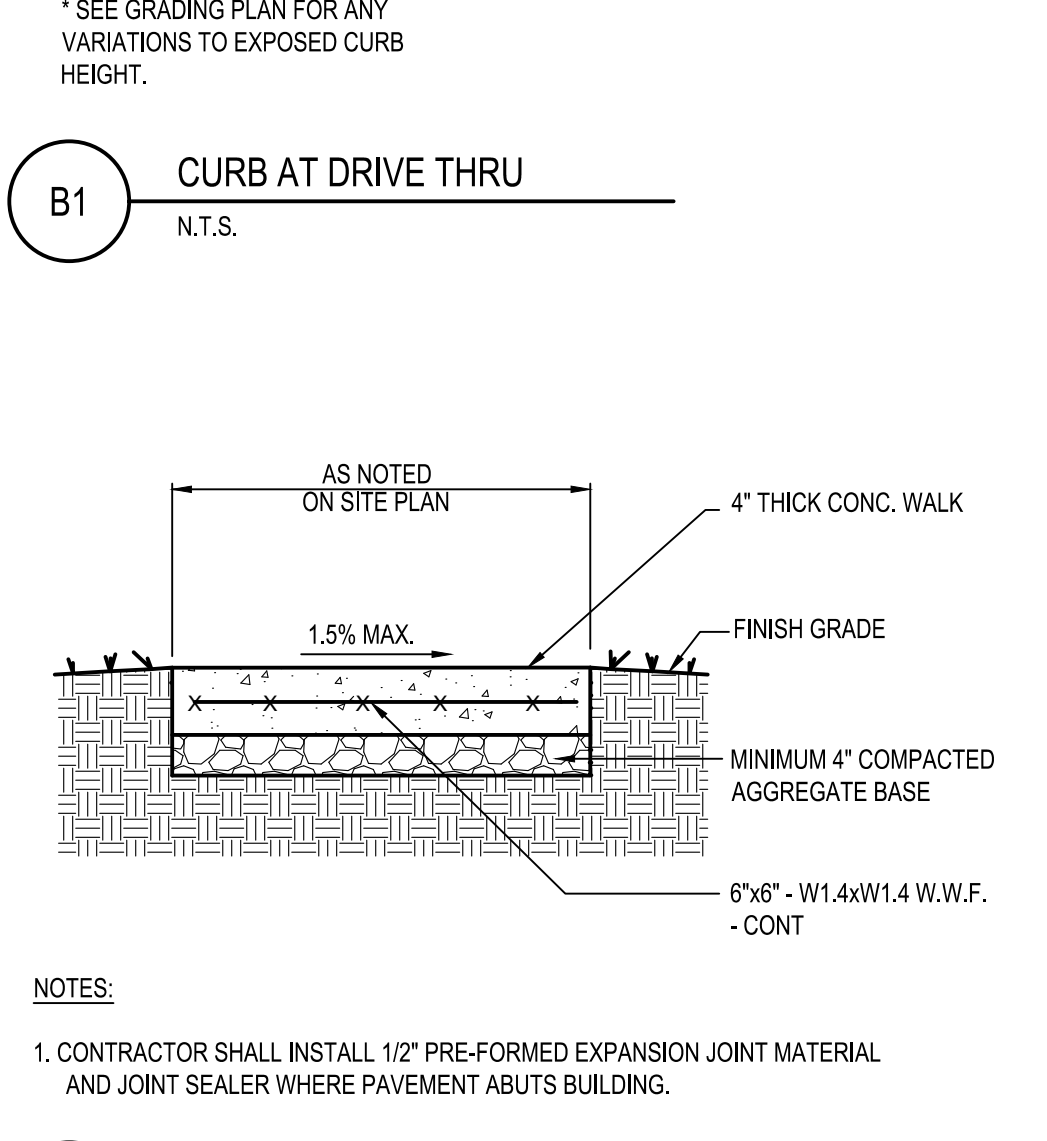
A3 TRANSVERSE STRIPING
N.T.S.



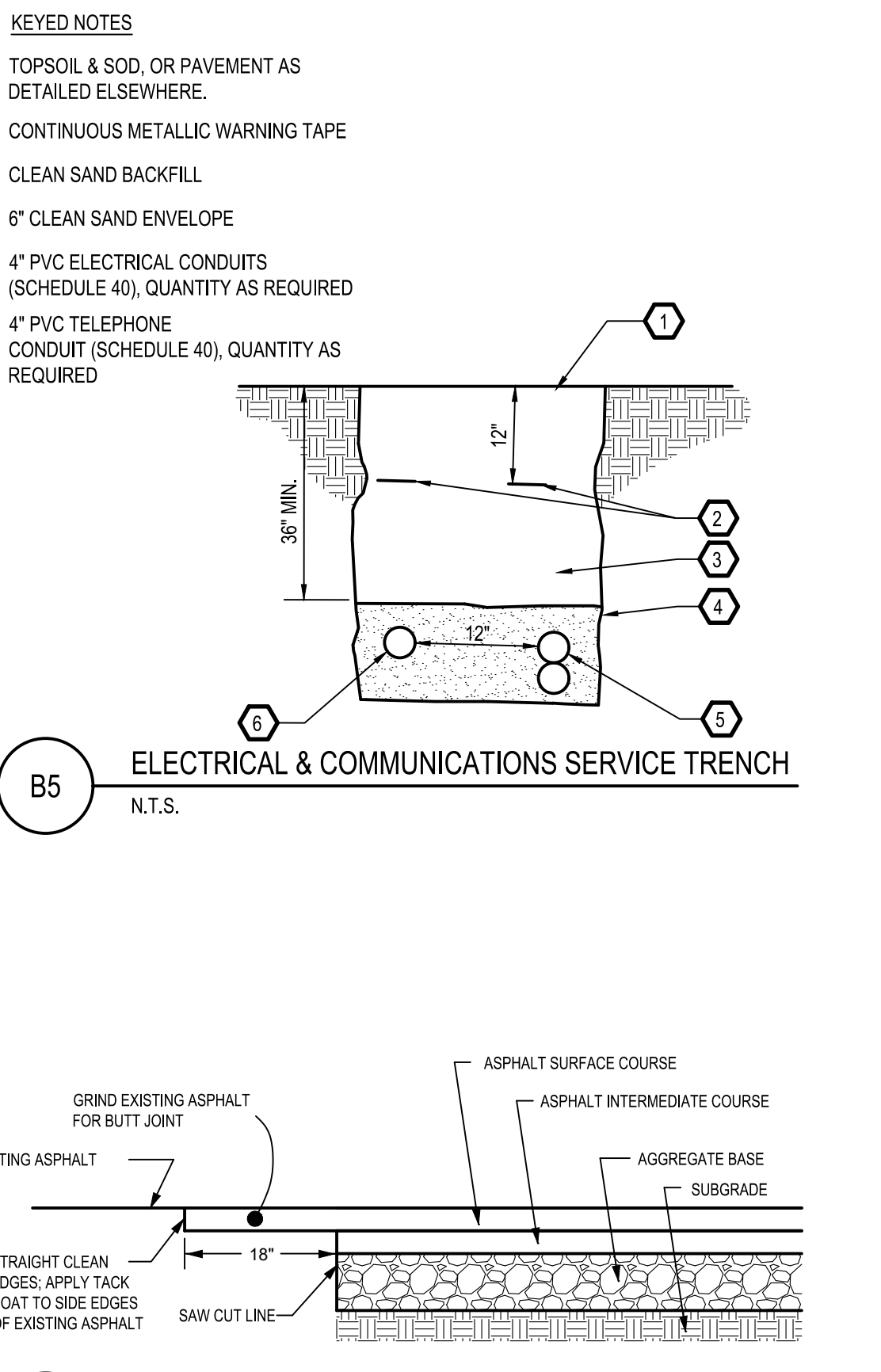
A4 LIGHT POLE FOUNDATION DETAIL
N.T.S.



B5 ELECTRICAL & COMMUNICATIONS SERVICE TRENCH
N.T.S.



A1 P.C.C WALK
N.T.S.



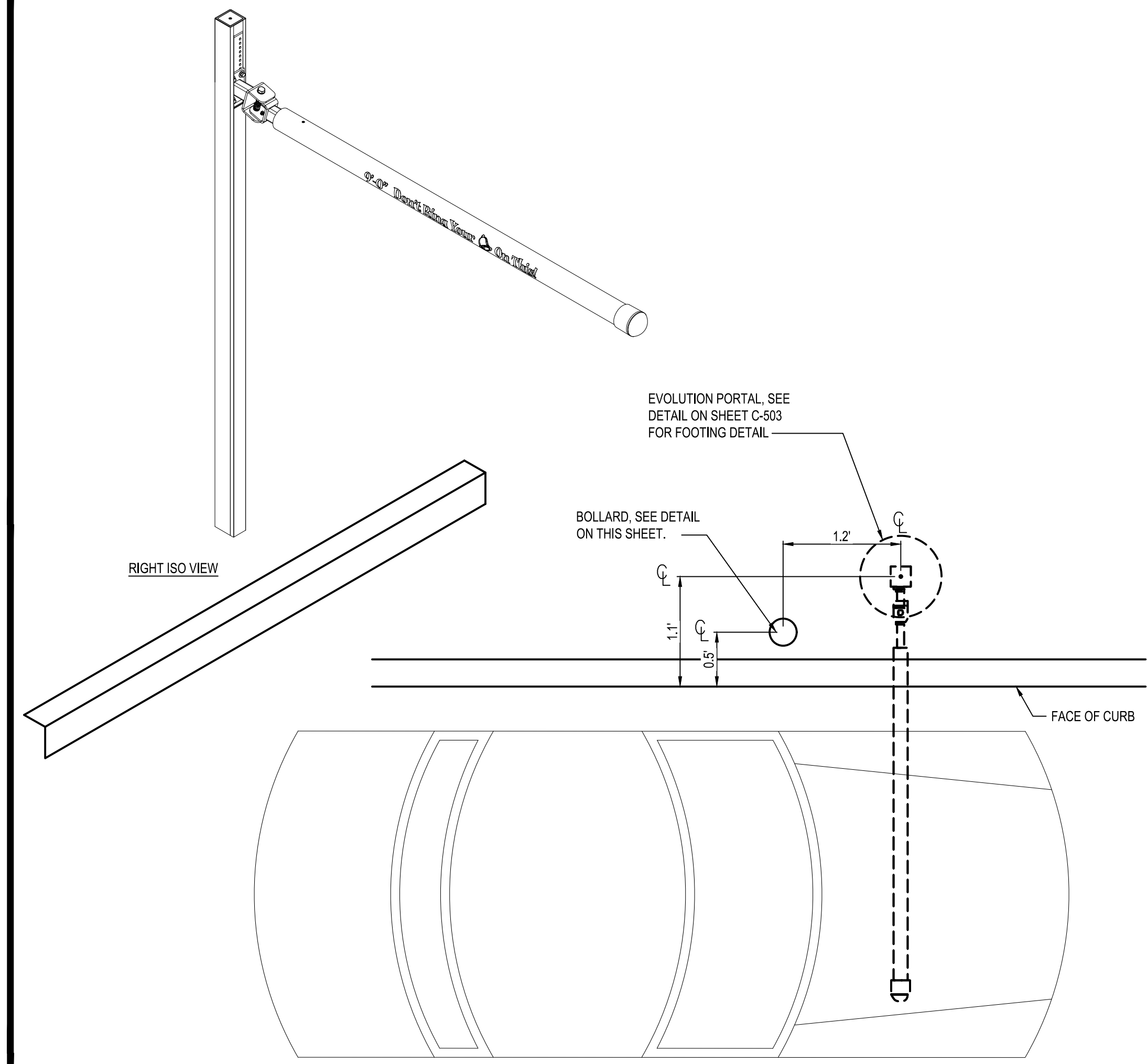
A5 BUTT JOINT
N.T.S.

△	ISSUED FOR CONSTRUCTION	08.21.19
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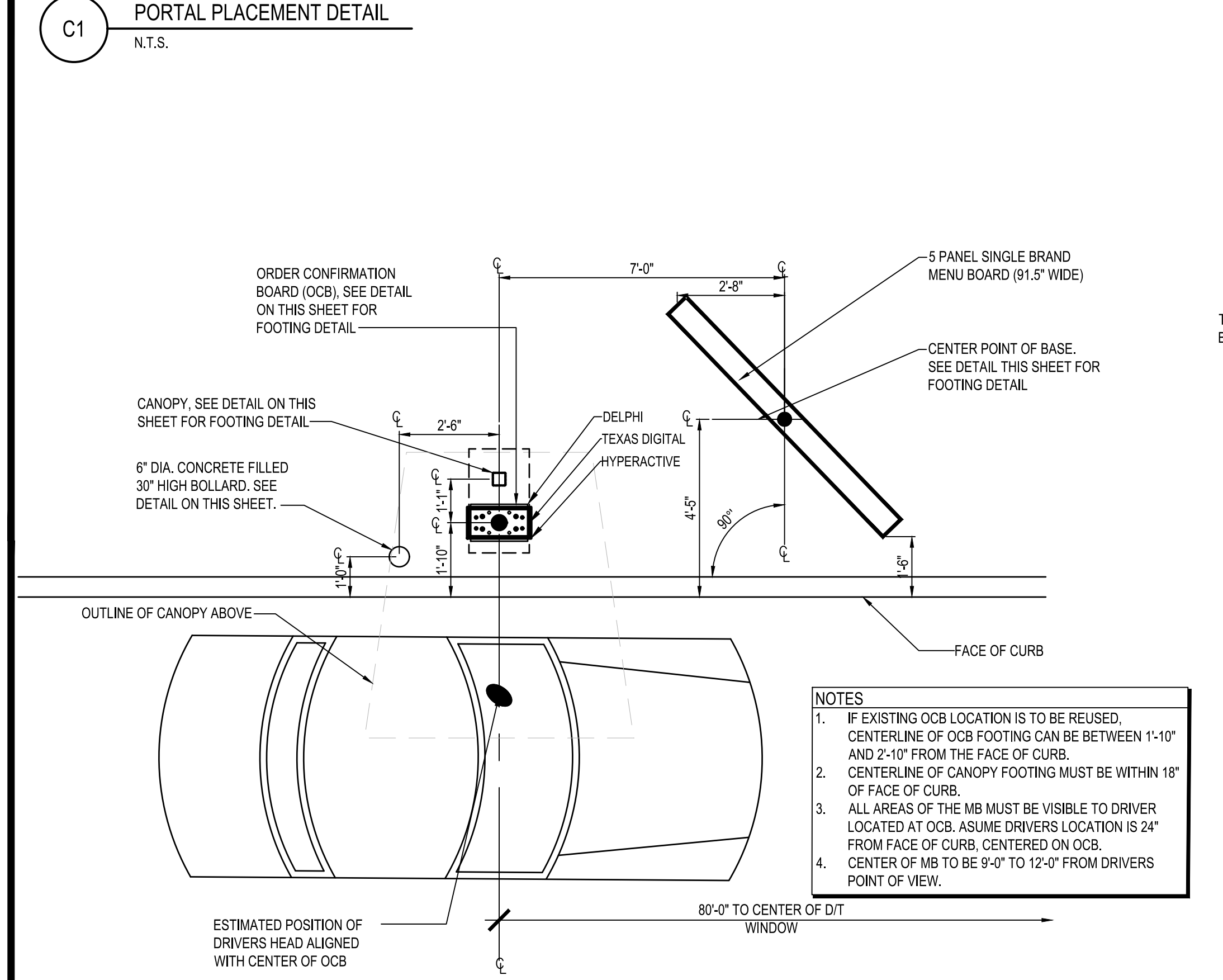
CONTRACT DATE:
BUILDING TYPE: MO T40
PLAN VERSION:
BRAND DESIGNER:
SITE NUMBER: 313076
STORE NUMBER:

TACO BELL
7931 LAPEER ROAD
DAVISON, MI 48423

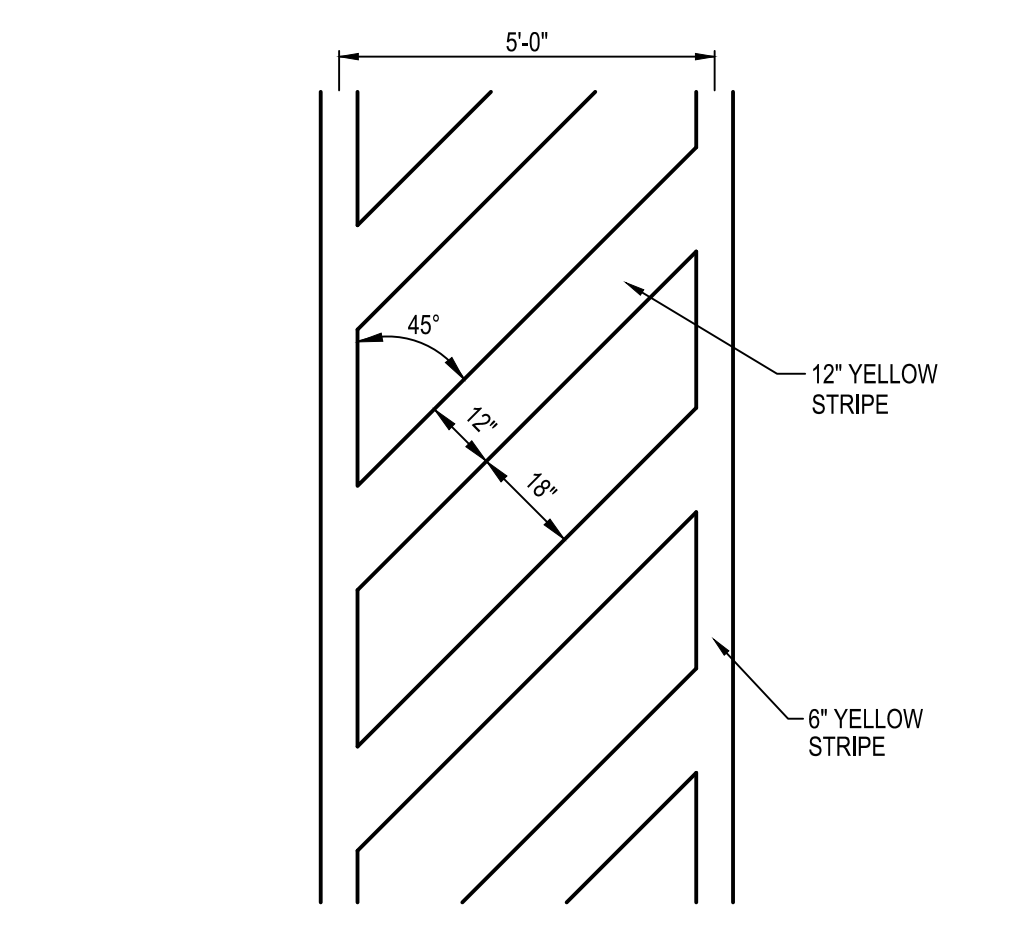




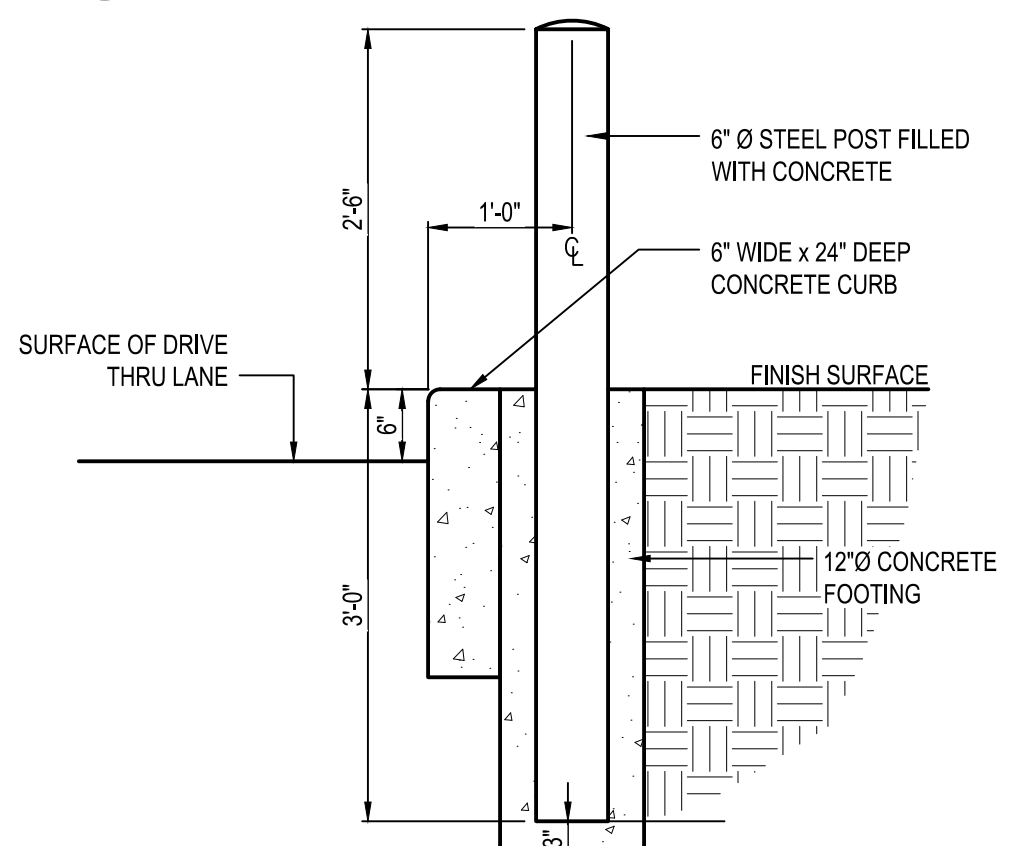
C1 PORTAL PLACEMENT DETAIL
N.T.S.



A1 ENLARGED MENU BOARD DETAIL @ STRAIGHT CURB
N.T.S.



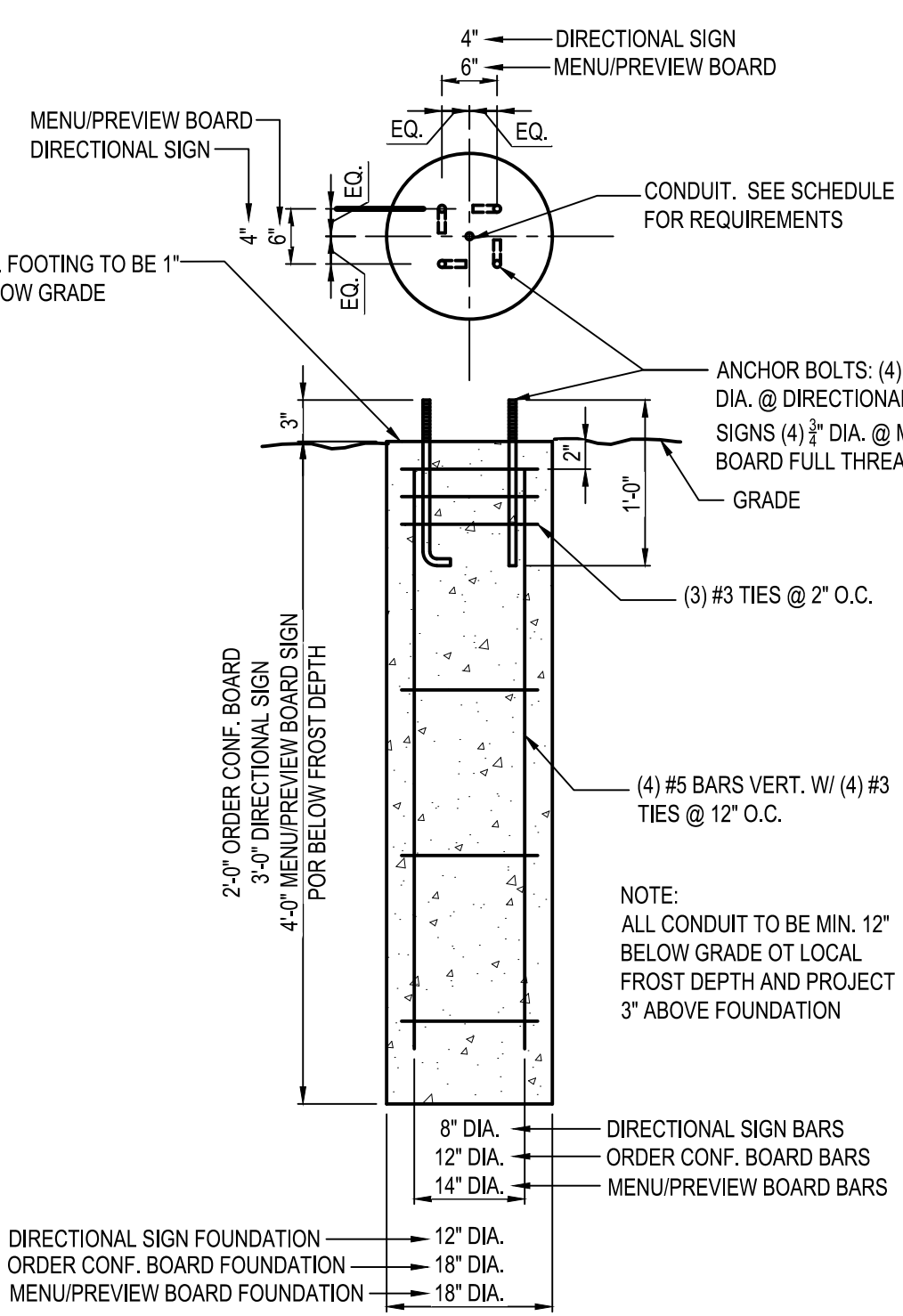
D3 CROSSWALK STRIPING
N.T.S.



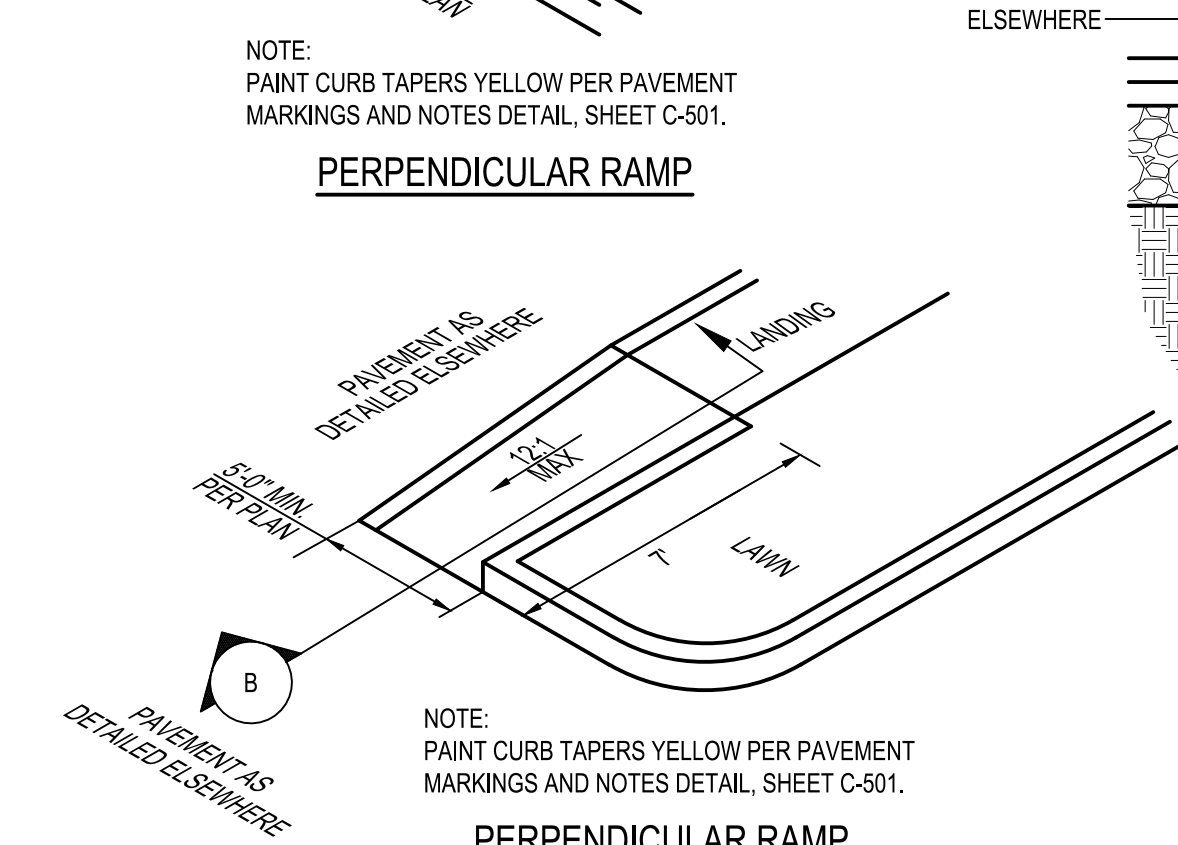
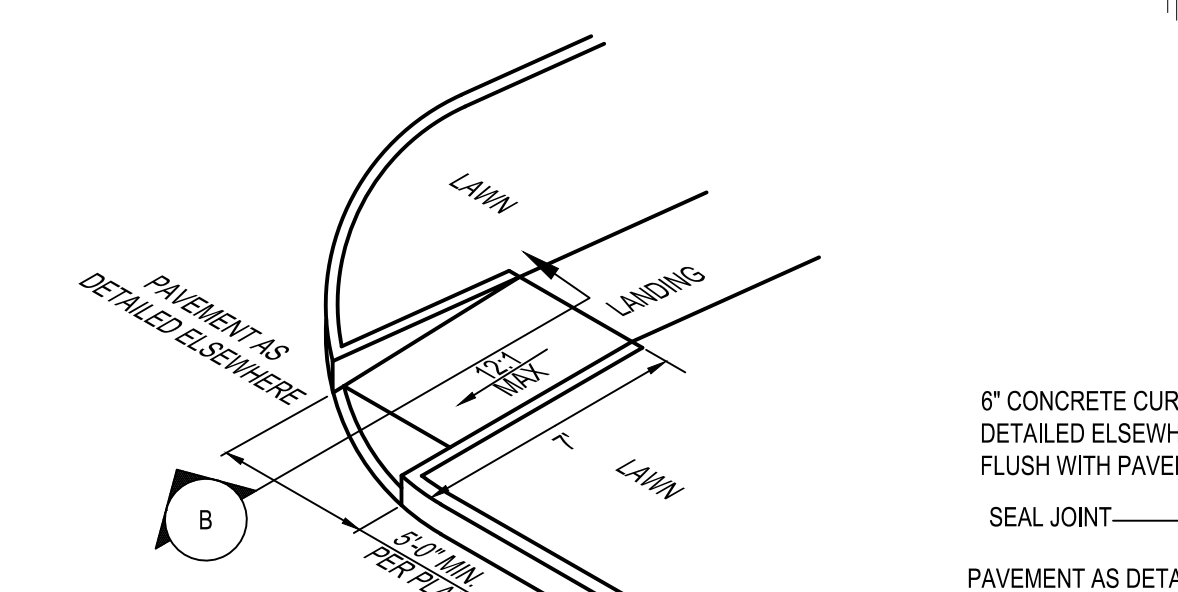
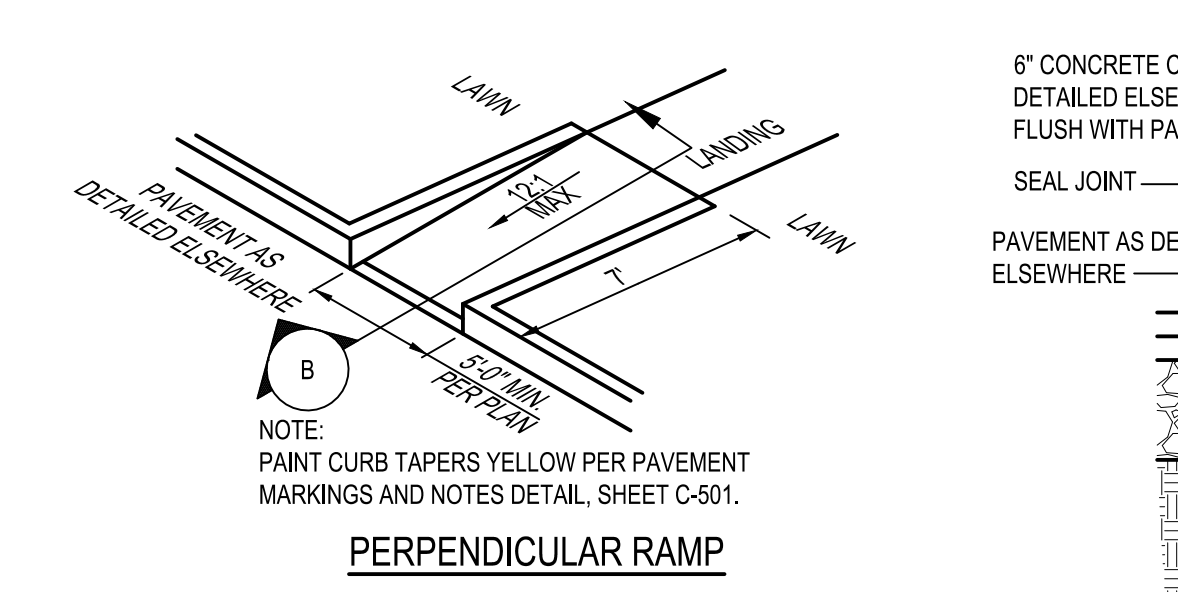
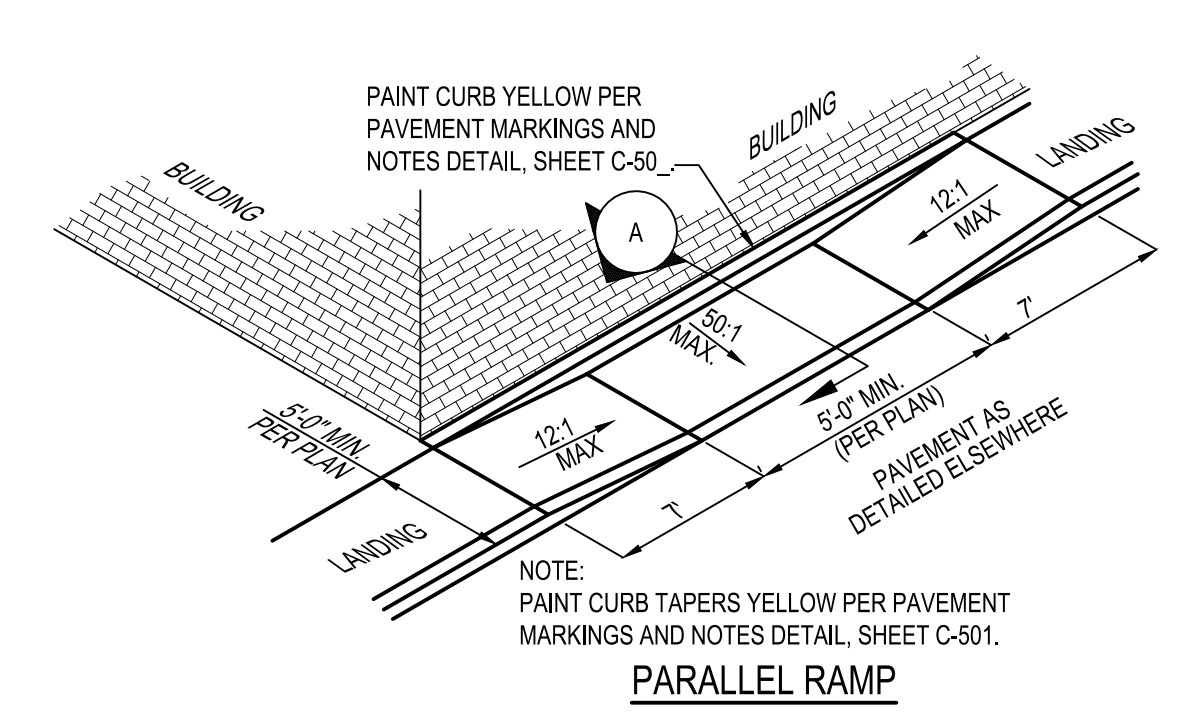
C3 BOLLARD DETAIL
N.T.S.

NOTE: BOLT PATTERN PROVIDED AS EXAMPLE - OBTAIN ANCHOR BOLT TEMPLATE FROM SUPPLIER

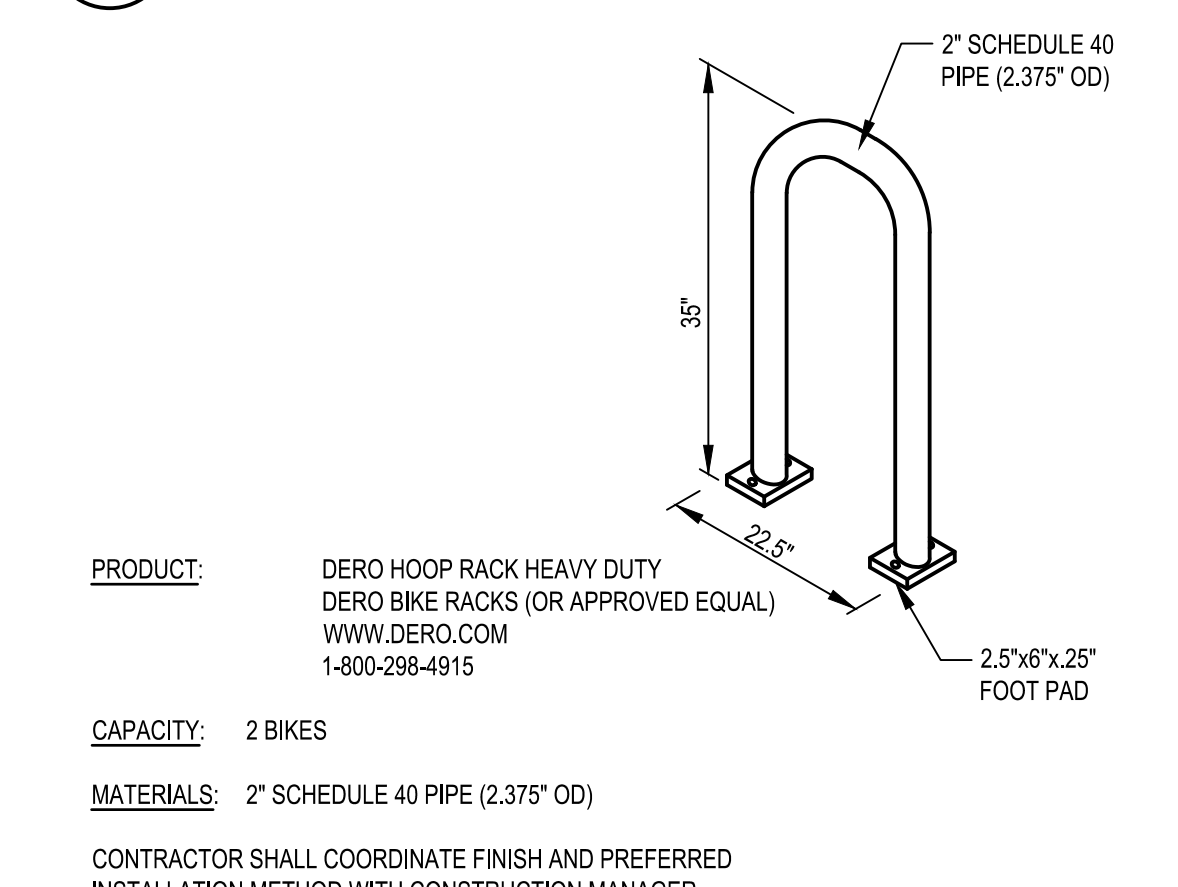
CONDUIT SCHEDULE		
DEVICE	POWER	DATA
DIRECTIONAL	(1) 3/4"	-
OCB	(1) 3/4"	(3) 1"
MENU BOARD	(1) 3/4"	-



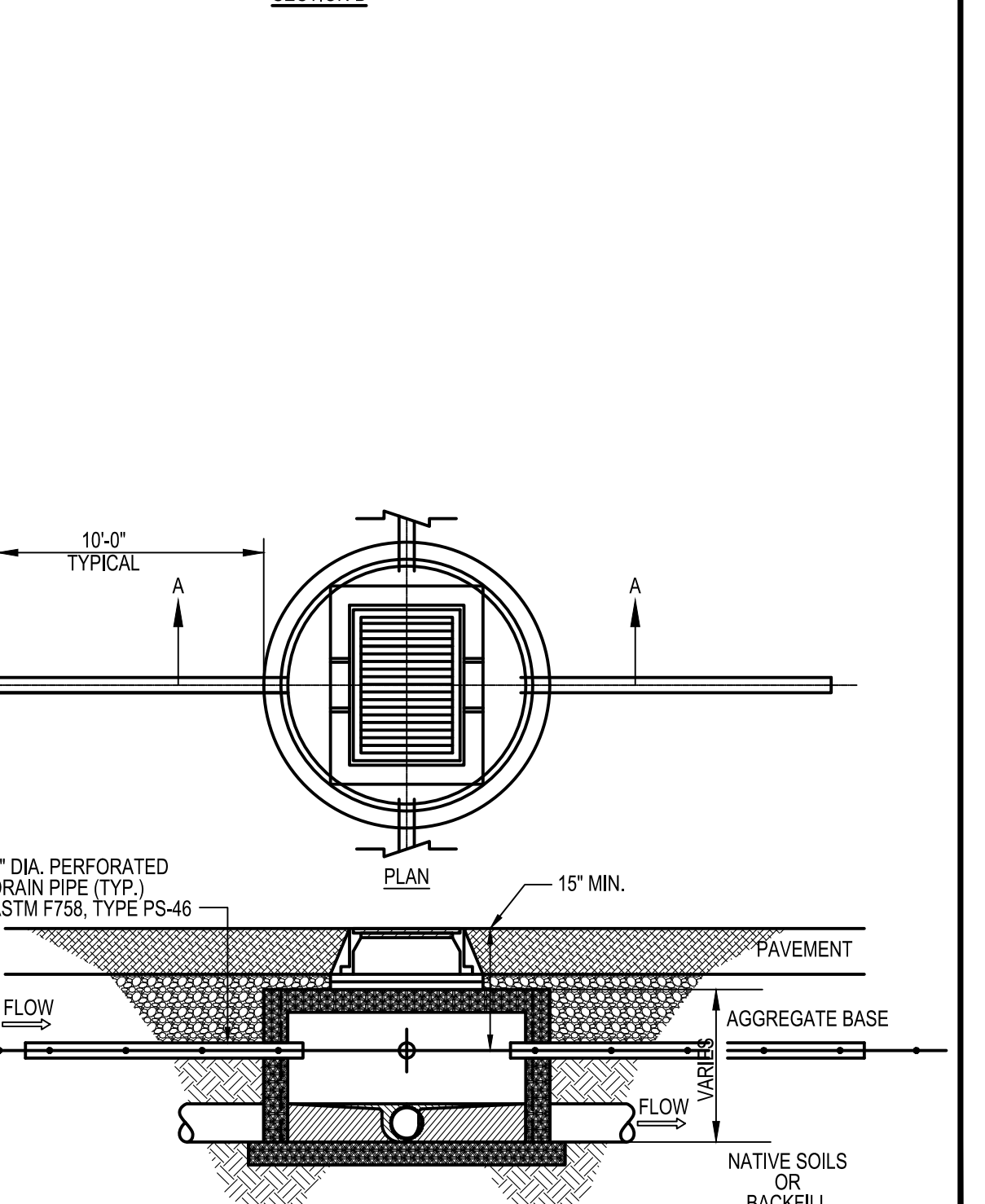
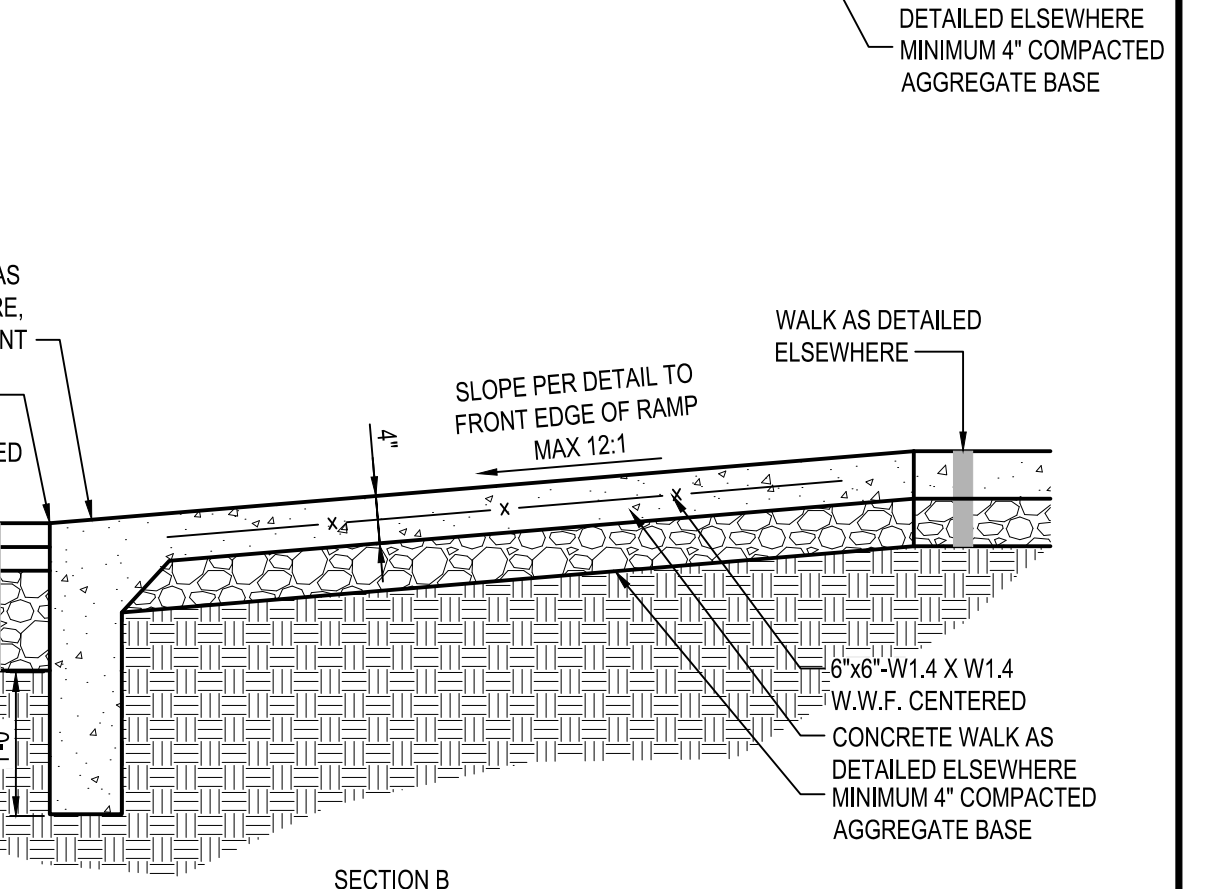
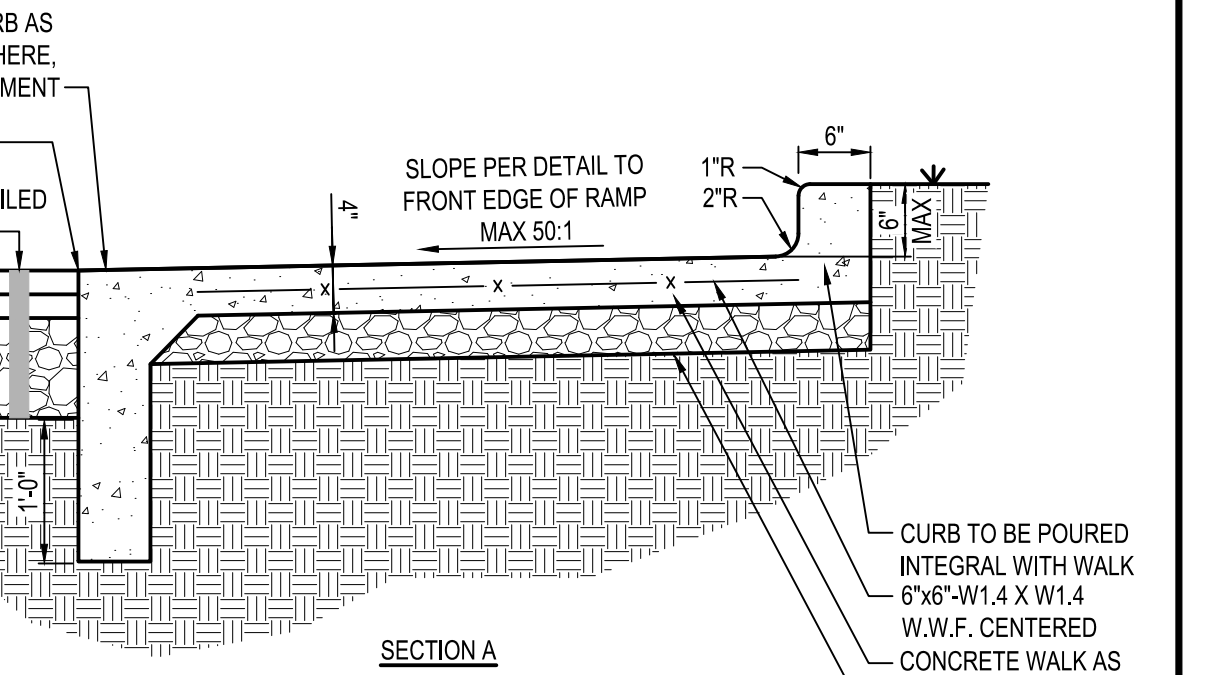
A3 MENU BOARD FOOTING DETAIL
N.T.S.



B4 ADA ACCESSIBLE RAMP
N.T.S.



A4 BIKE RACK DETAIL
N.T.S.



A5 FINGER DRAIN DETAIL
N.T.S.

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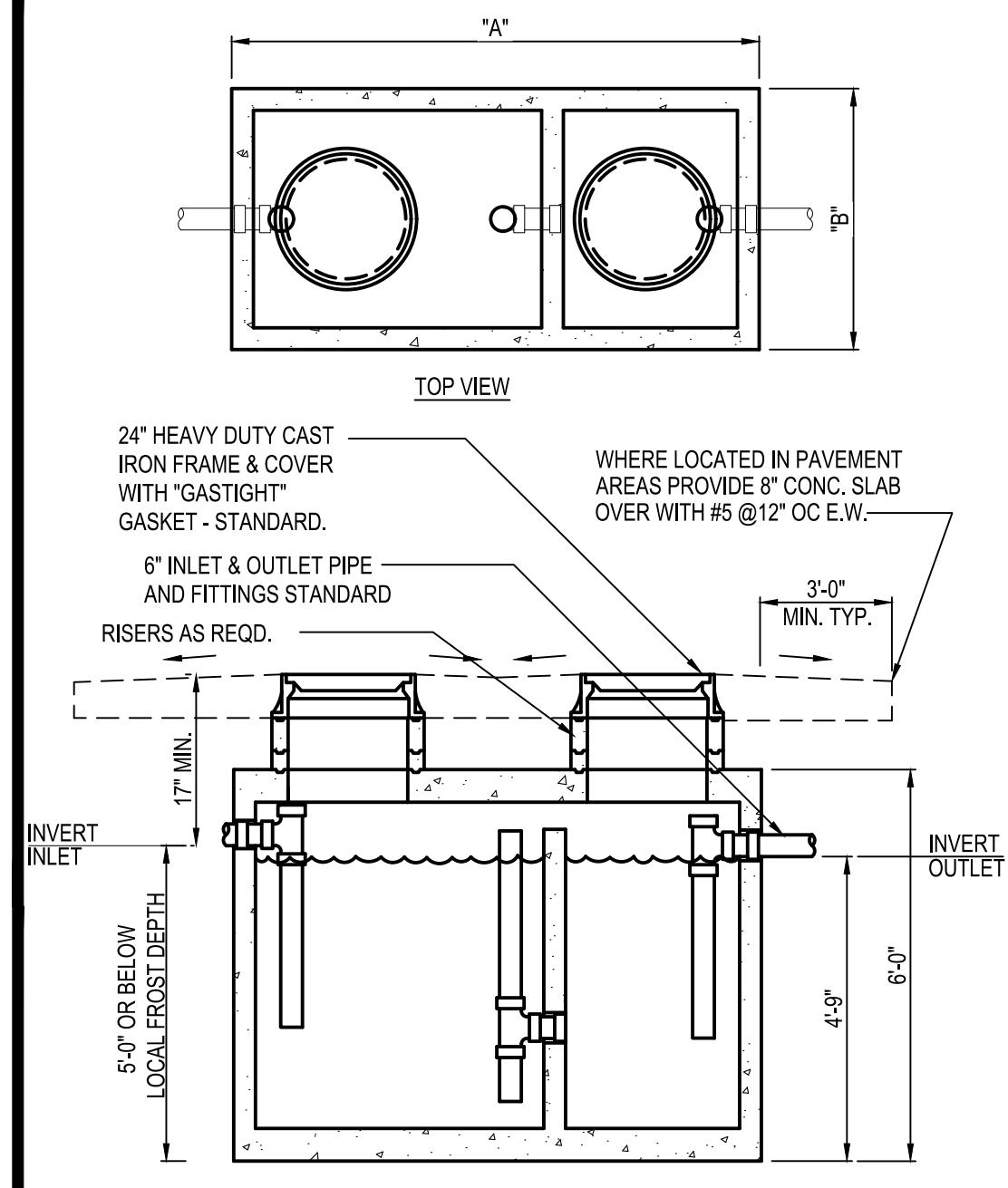
CONTRACT DATE:
BUILDING TYPE: MO T40
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TACO BELL
7931 LAPEER ROAD
DAVISON, MI 48423



DETAILS

C-502

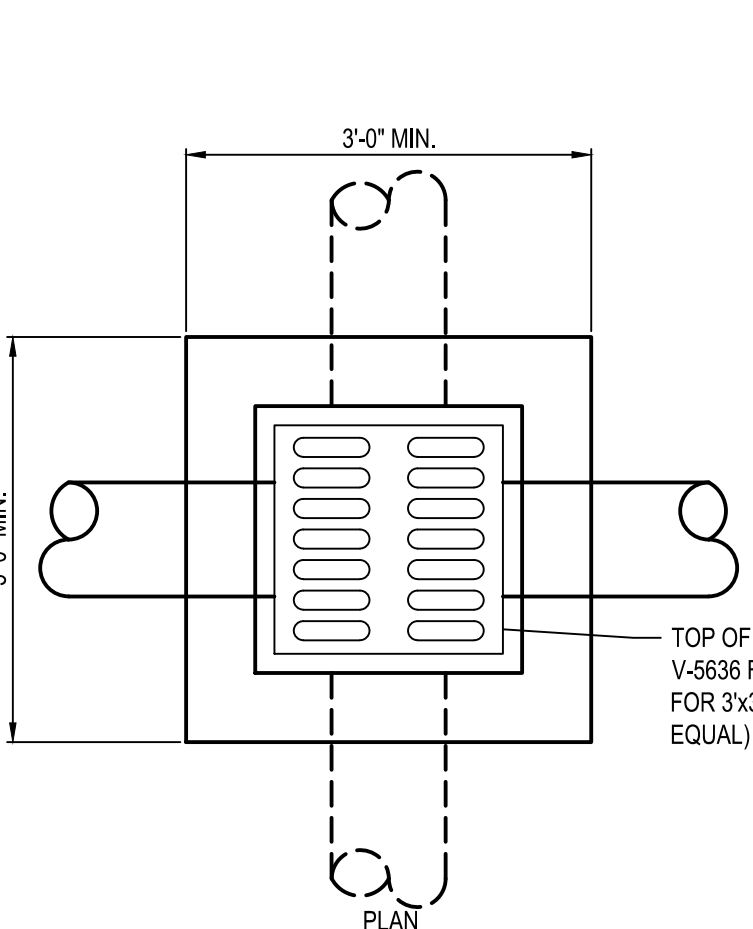
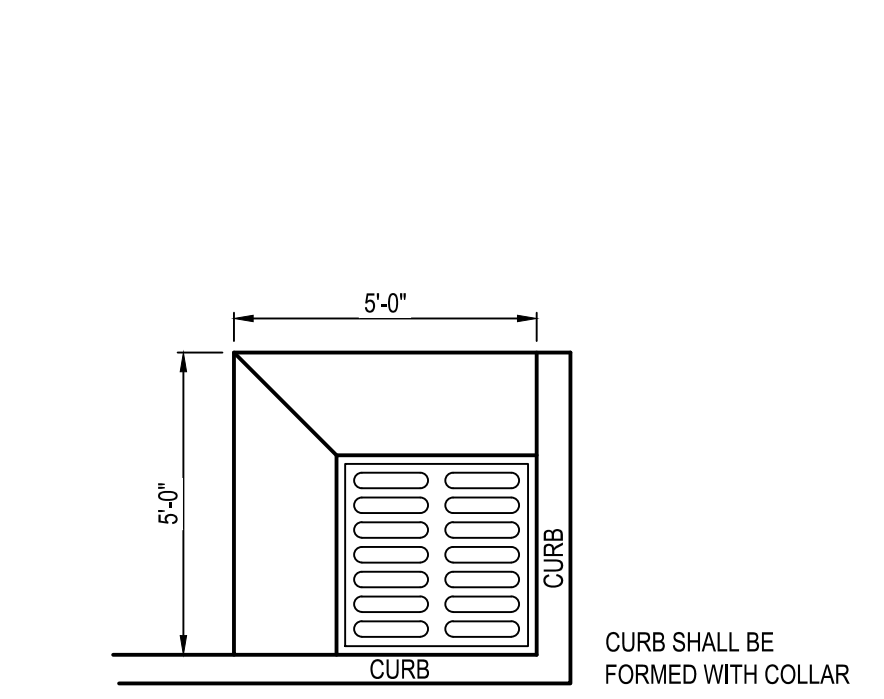


G.T. SIZE	DIM. "A"	DIM. "B"
500 GALLON	6'-2"	4'-2"
750 GALLON	8'-4"	4'-6"
1000 GALLON	8'-2"	6'-4"
1250 GALLON	8'-0"	5'-8"
1500 GALLON	*	*

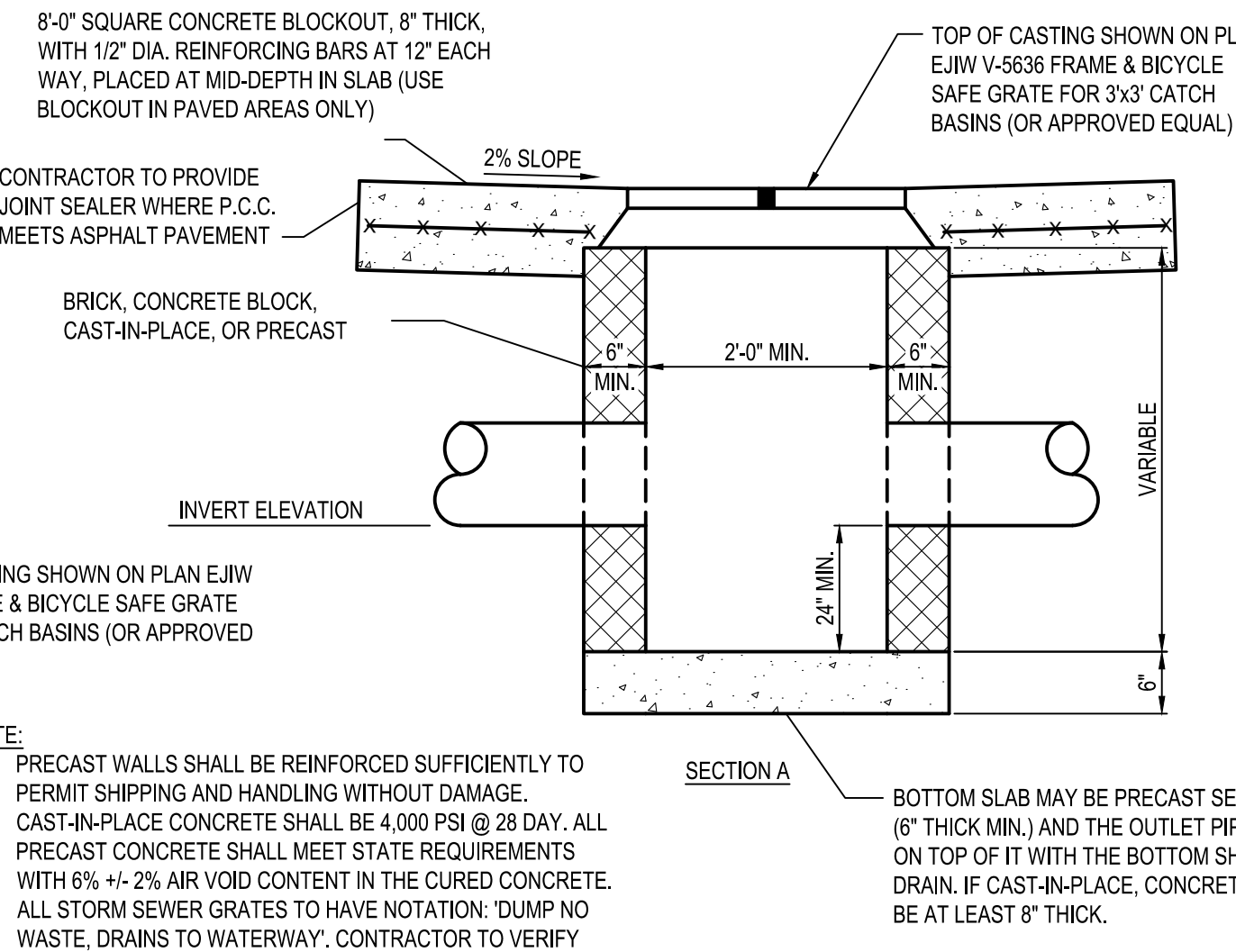
PER MANUFACTURER SPECIFICATIONS.

NOTE:
 1. GC SHALL INSTALL GREASE INTERCEPTOR (G.I.) AS APPROVED BY LOCAL WASTEWATER JURISDICTION. INSTALLATION SHALL INCLUDE VENT, SAMPLING PORT/ MANHOLE, REINF. CONCRETE TRAFFIC LID, ETC. AS REQUIRED PER WASTEWATER DEPARTMENT STANDARDS. G.I. SHALL BE DESIGNED FOR H20 VEHICLE LOADS.
 2. SPECIFIC MODEL IS NOT REQUIRED BY JURISDICTION.

C1 EXTERIOR GREASE INTERCEPTOR
 N.T.S.

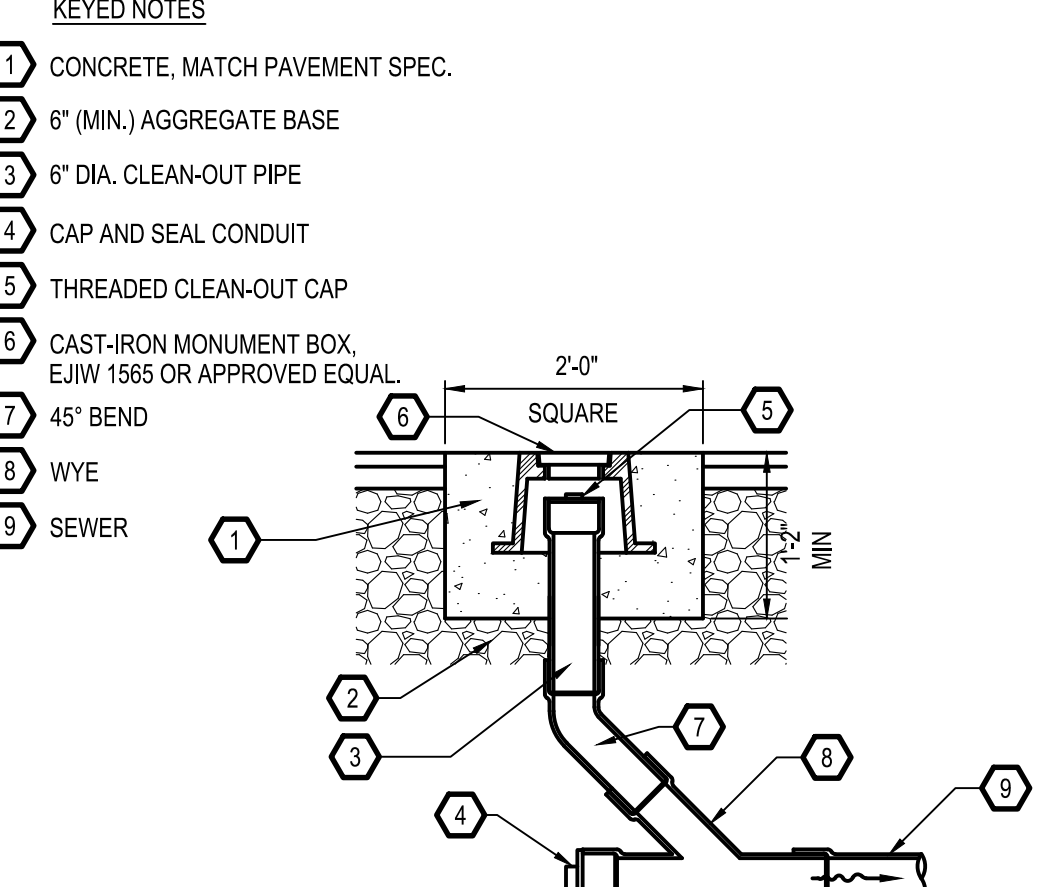


A1 CATCH BASIN
 N.T.S.



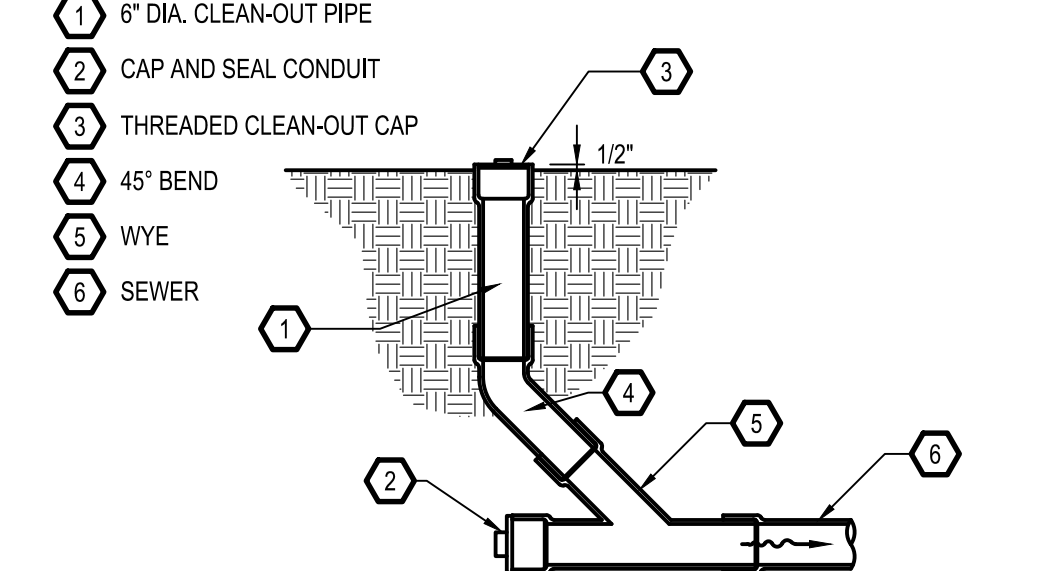
NOTE:
 1. PRECAST WALLS SHALL BE REINFORCED SUFFICIENTLY TO PERMIT SHIPPING AND HANDLING WITHOUT DAMAGE.
 2. CAST-IN-PLACE CONCRETE SHALL BE 4,000 PSI @ 28 DAY. ALL PRECAST CONCRETE SHALL MEET STATE REQUIREMENTS WITH 6% +/- 2% AIR VOID CONTENT IN THE CURED CONCRETE. ALL STORM SEWER GRATES TO HAVE NOTATION: 'DUMP NO WASTE, DRAINS TO WATERWAY'. CONTRACTOR TO VERIFY WITH LOCAL JURISDICTION EXACT WORDING.

B2 CLEAN OUT (PAVEMENT AREA)
 N.T.S.



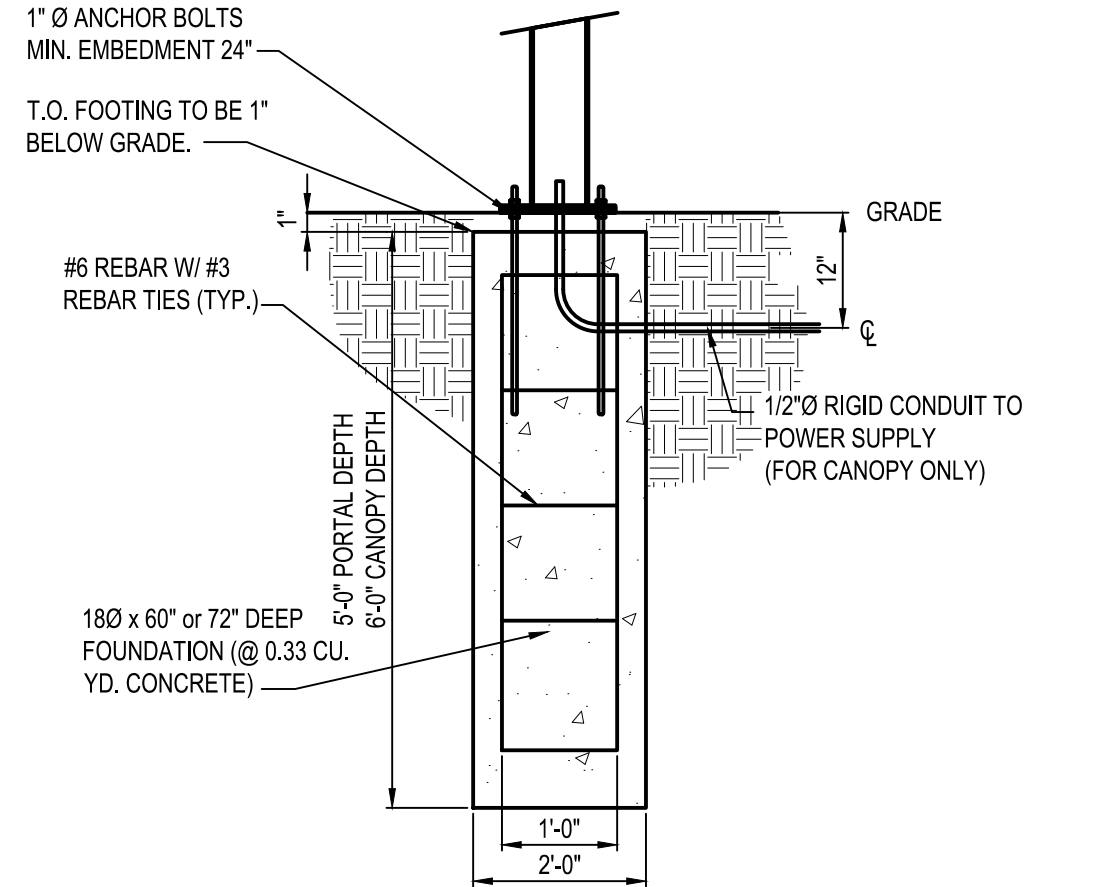
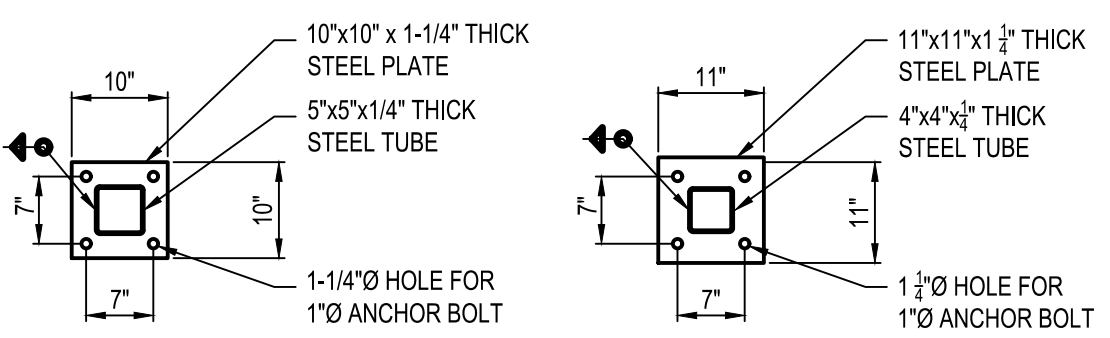
KEYED NOTES
 1 CONCRETE, MATCH PAVEMENT SPEC.
 2 6\"/>

C2 CLEAN OUT (LAWN AREA)
 N.T.S.

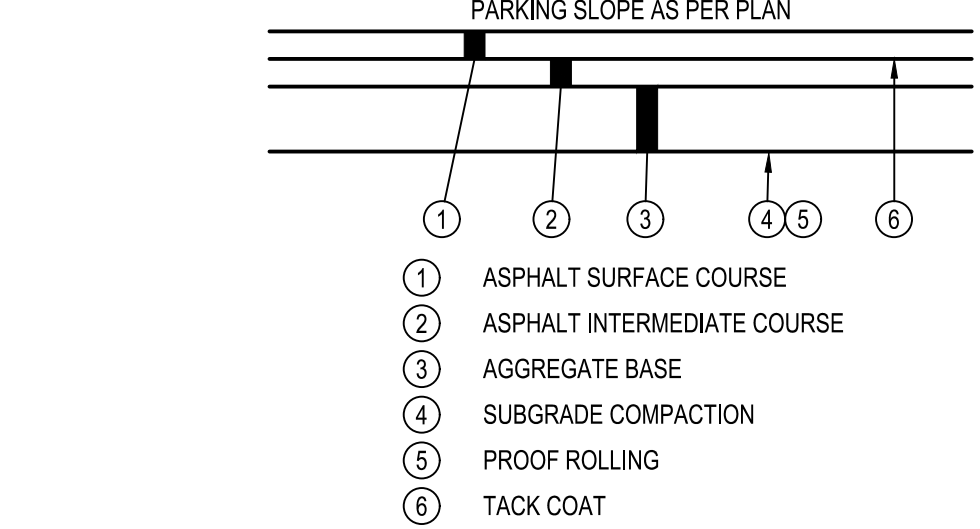


KEYED NOTES
 1 6\"/>

D2 WYE CONNECTION
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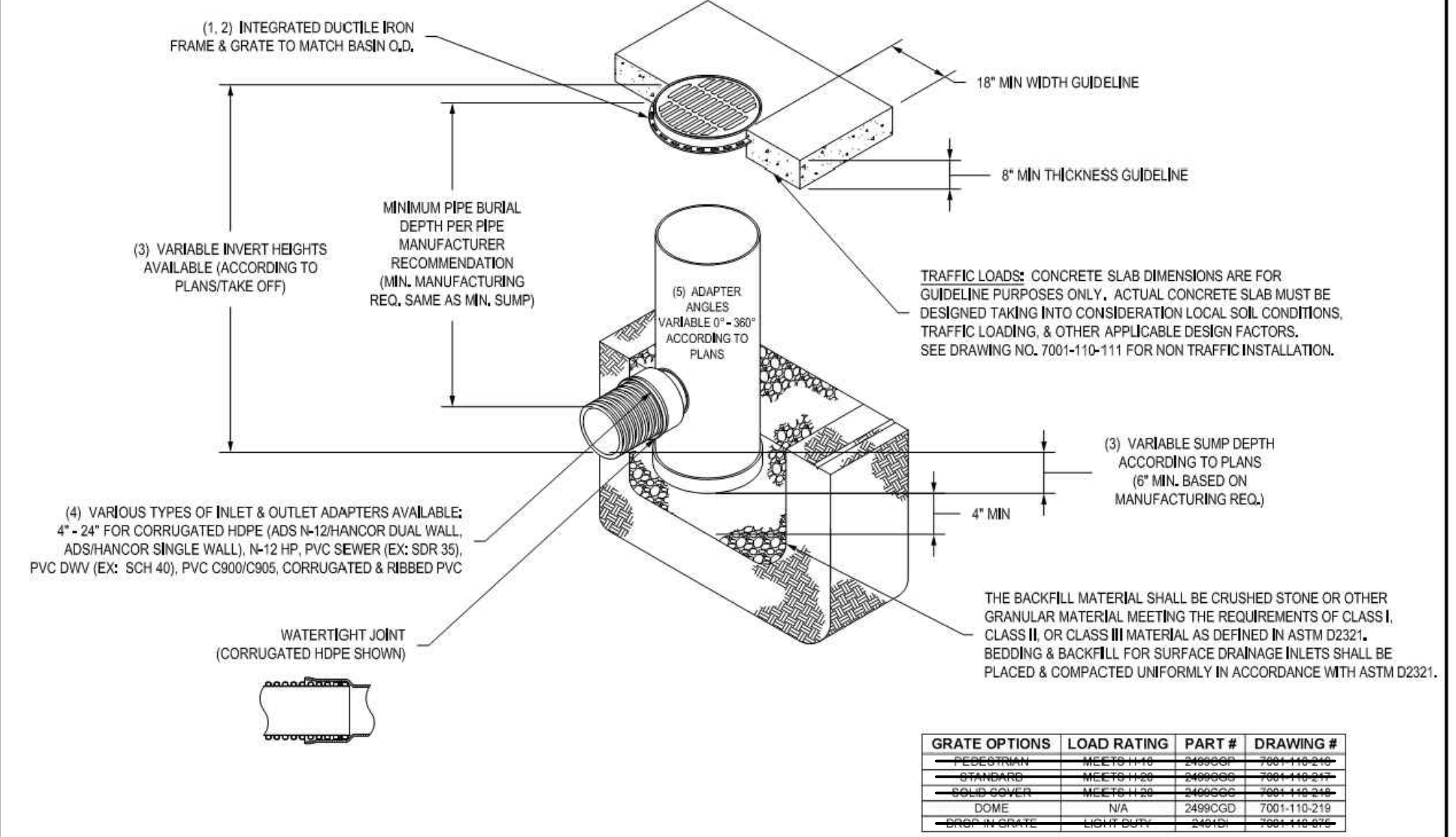
B3 EVOLUTION FOUNDATION DETAIL
 N.T.S.



NOTES:
 1. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT AND WHERE PROPOSED ASPHALT MEETS EXISTING ASPHALT INCLUDING SAW CUT JOINTS.
 2. SEE SITE PLAN FOR PAVEMENT THICKNESSES.

A3 TYPICAL PAVEMENT SECTION
 N.T.S.

NYLOPLAST 24\"/>



GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PROFESSIONAL	MEETS ALL	2499C00	7001-110-210
STANDARD	MEETS ALL	2499C01	7001-110-210
GRASS COVER	MEETS ALL	2499C02	7001-110-210
DOMES	N/A	2499C03	7001-110-210

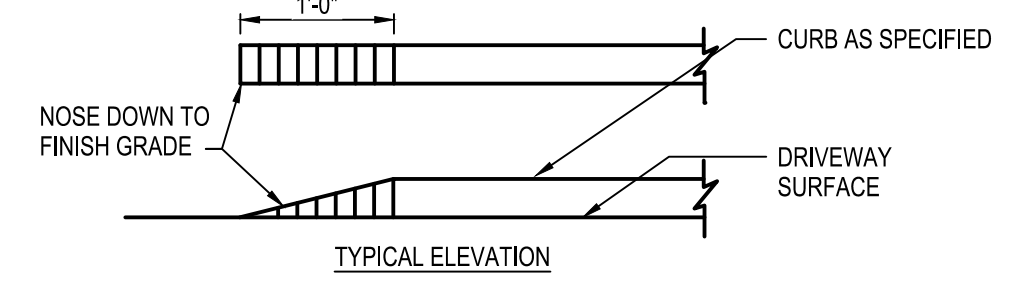
1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-60-05.
 2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-60-05.
 3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 8\"/>

Nyloplast
 3130 VERONA AVE
 BUFORD, GA 30518
 PHN (770) 930-2443
 FAX (770) 932-2493
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 BUFORD, GA 30518
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 FAX (770) 932-2493
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TITLE
 24 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL.

DWG NO. 7001-110-192 REV E



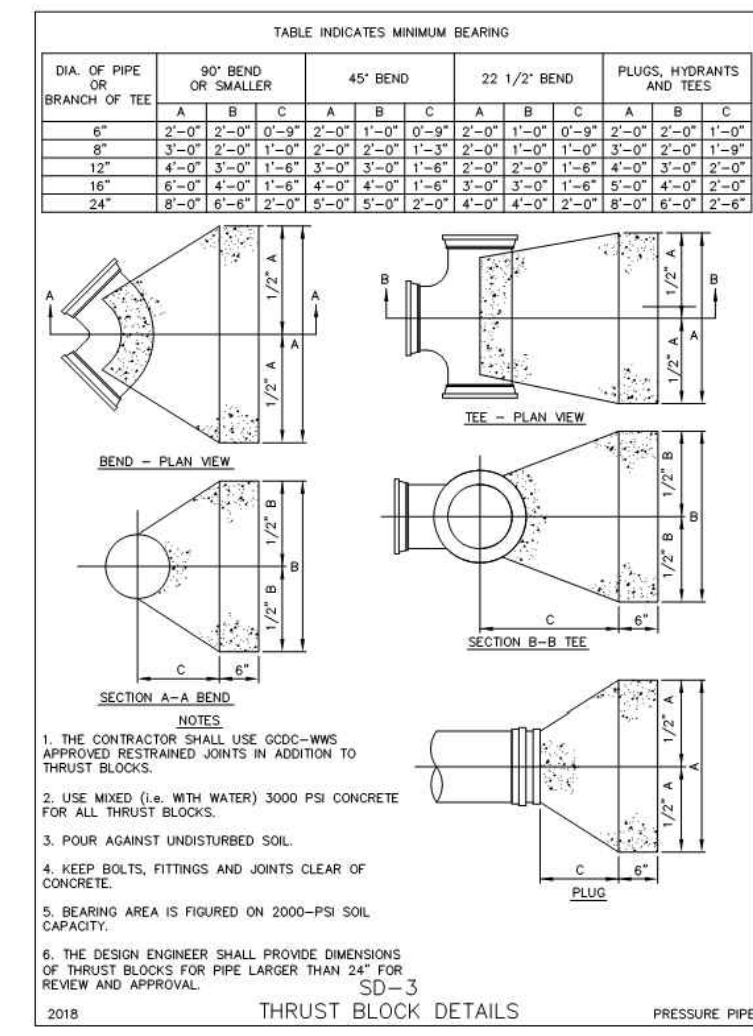
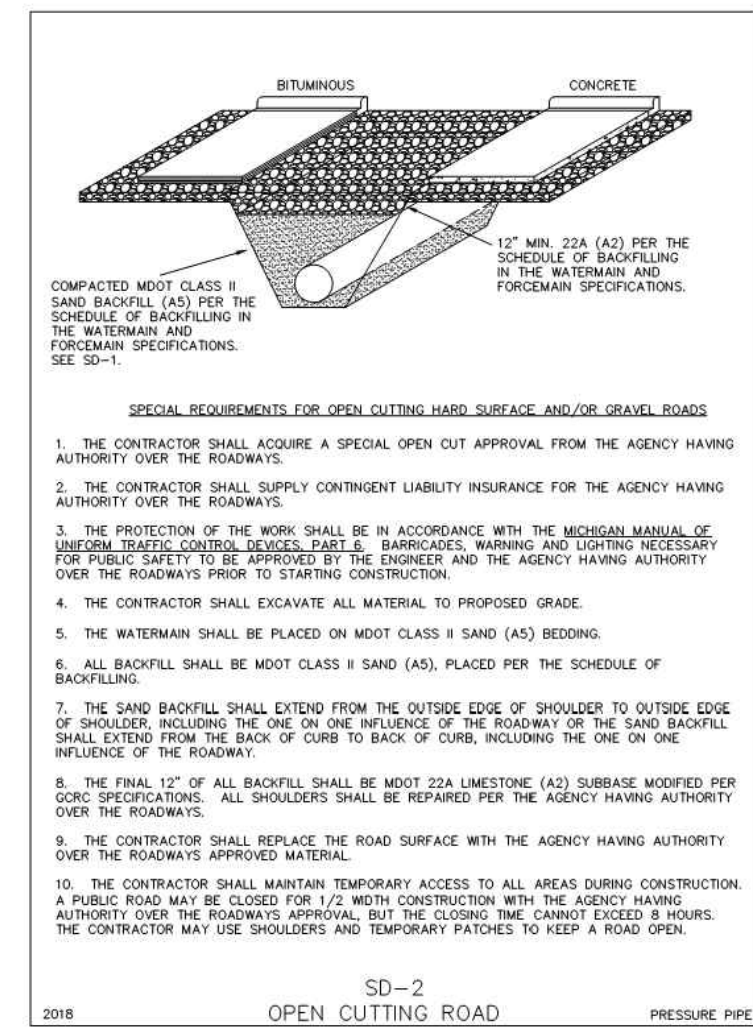
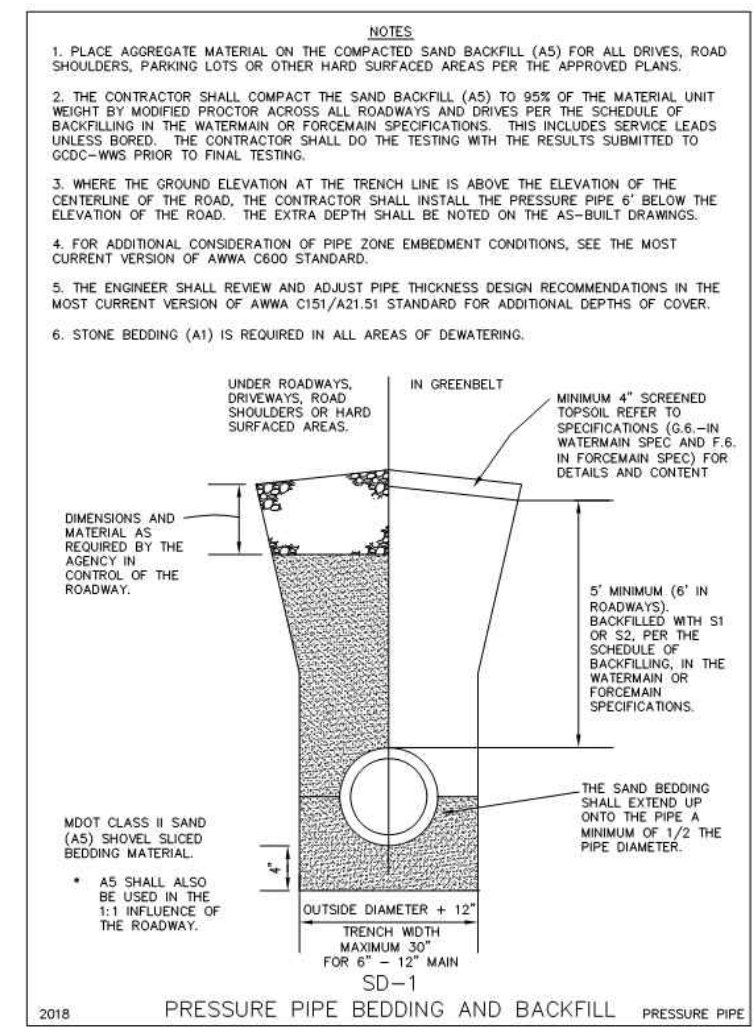
A4 CURB TAPER
 N.T.S.

CONTRACT DATE:
 BUILDING TYPE: MO T40
 PLAN VERSION:
 BRAND DESIGNER:
 SITE NUMBER: 313076
 STORE NUMBER:

TACO BELL
 7931 LAPEER ROAD
 DAVISON, MI 48423

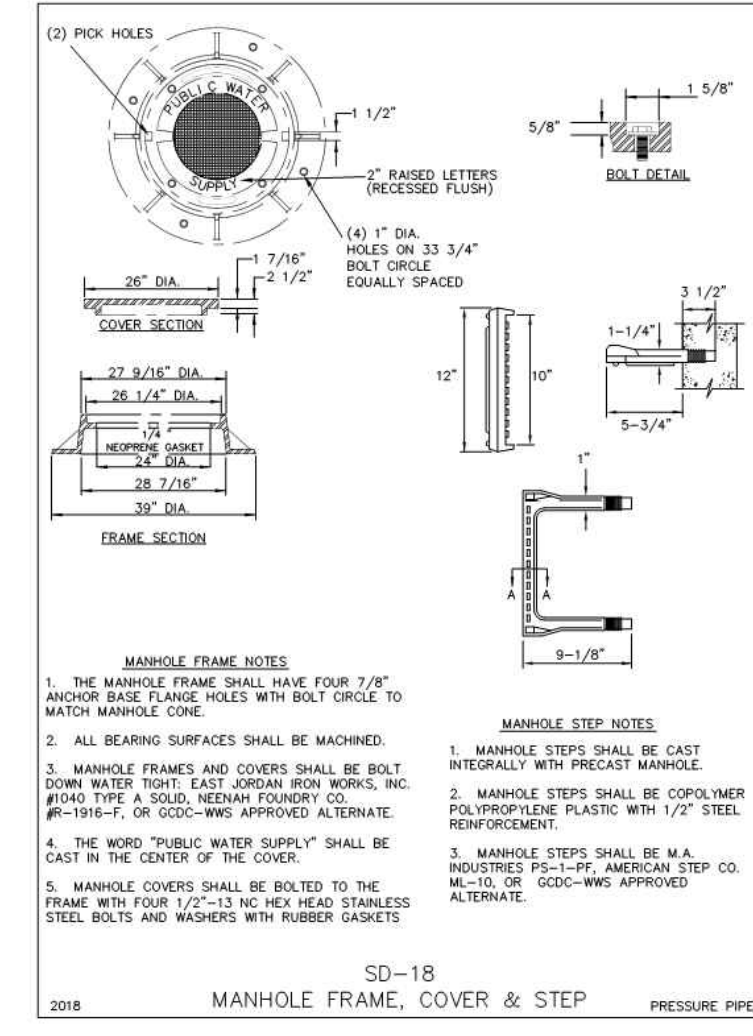
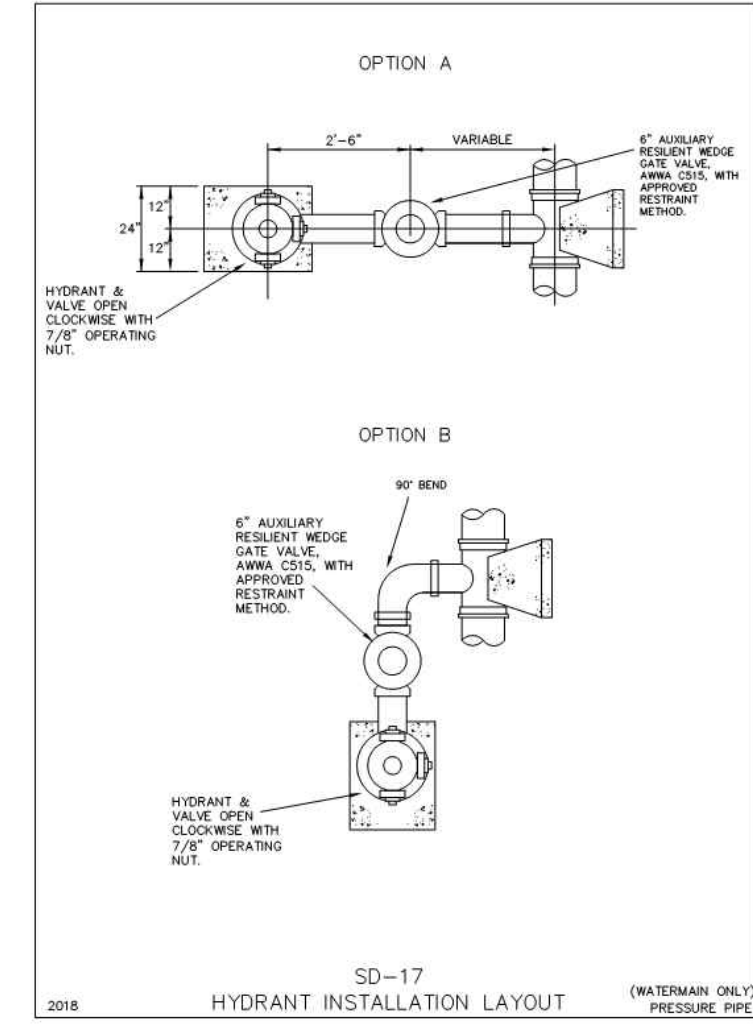
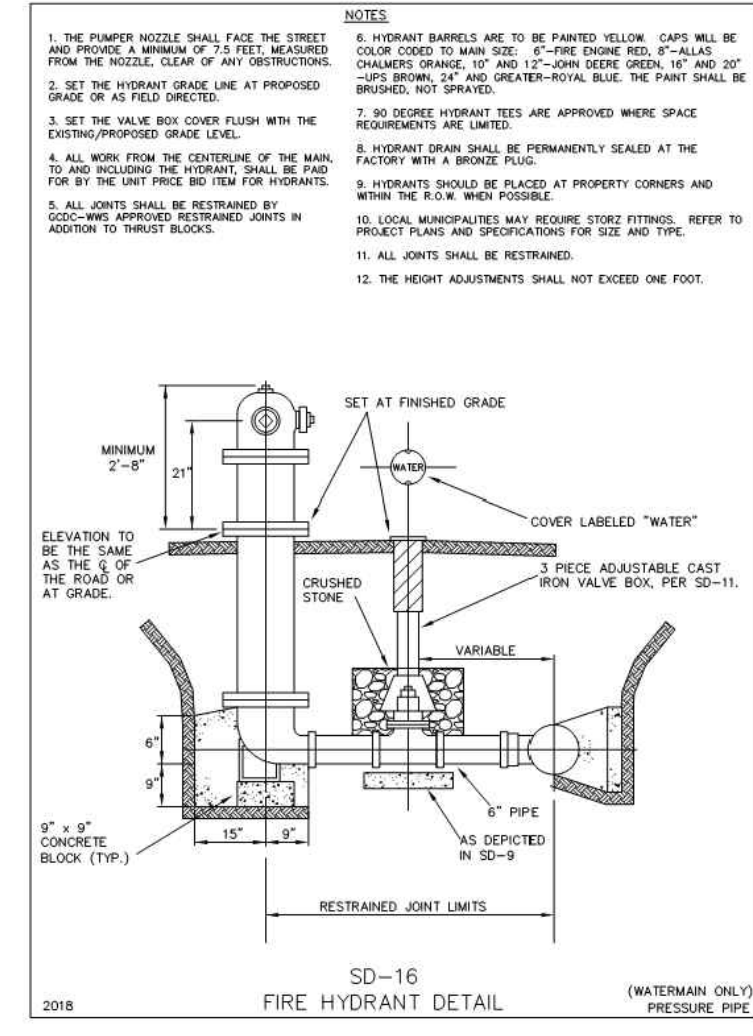
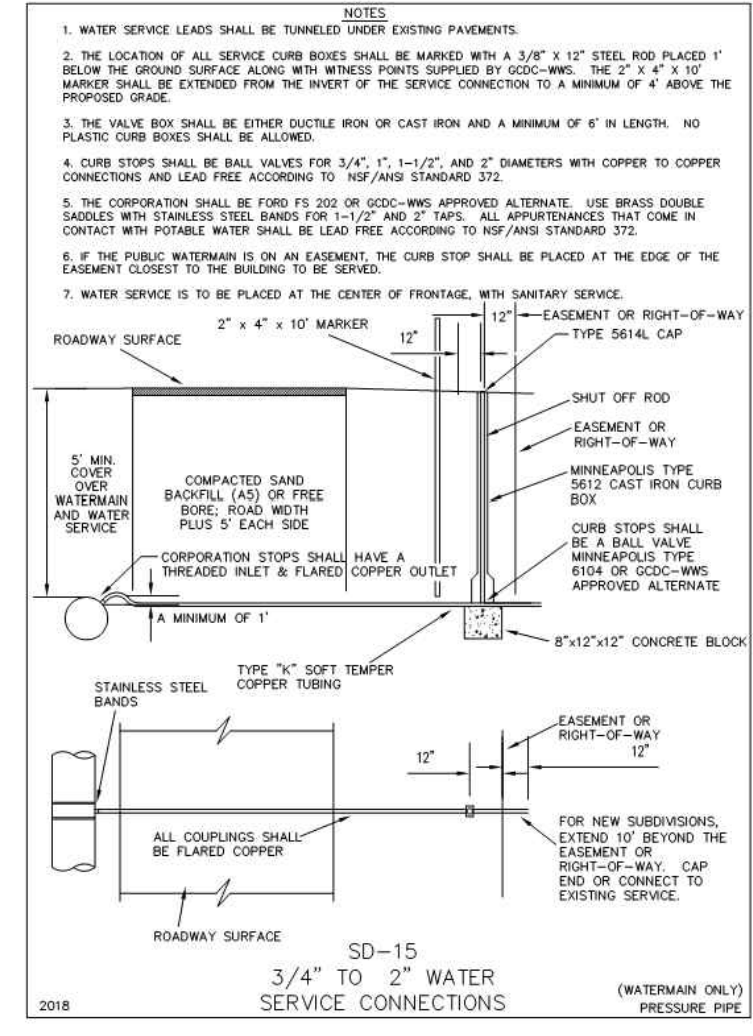
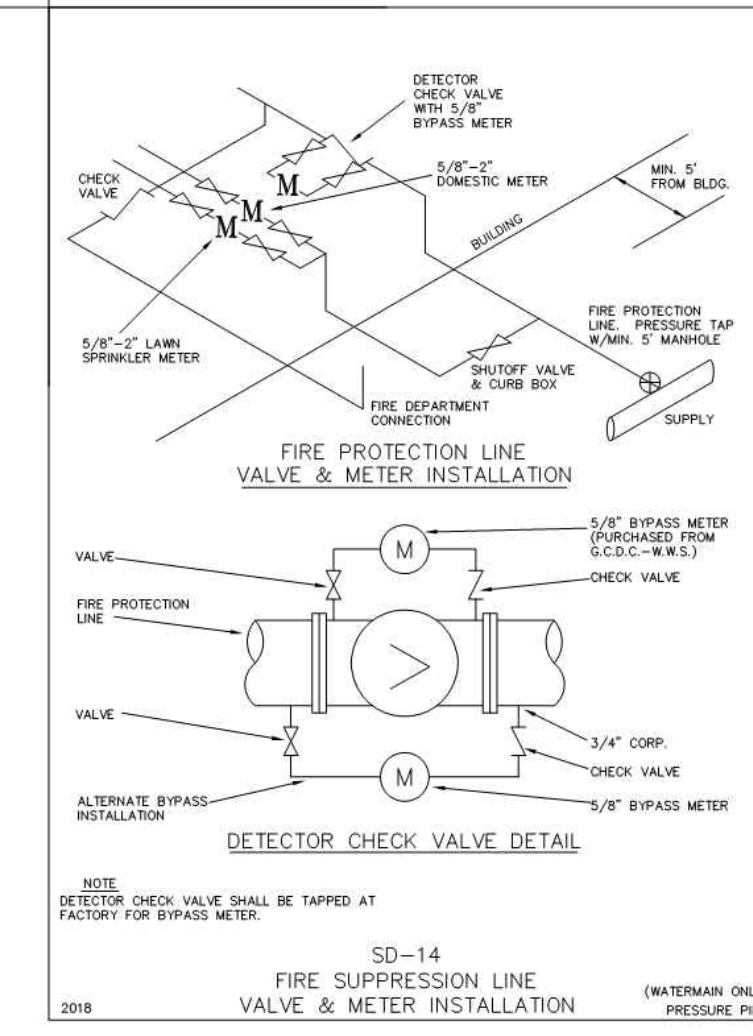
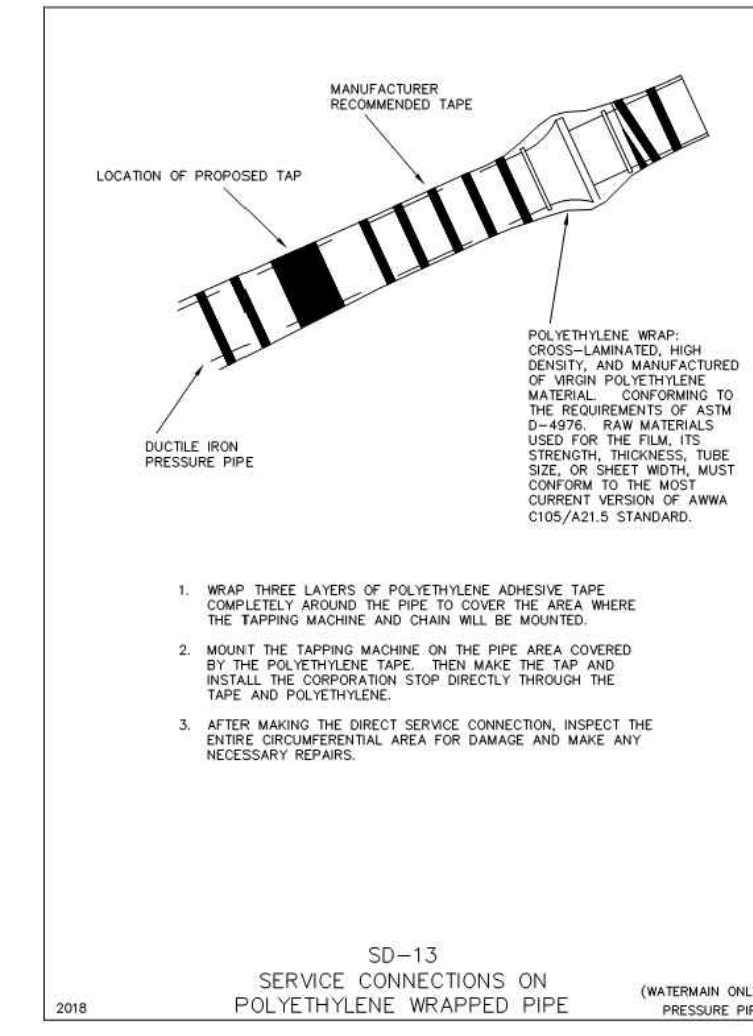
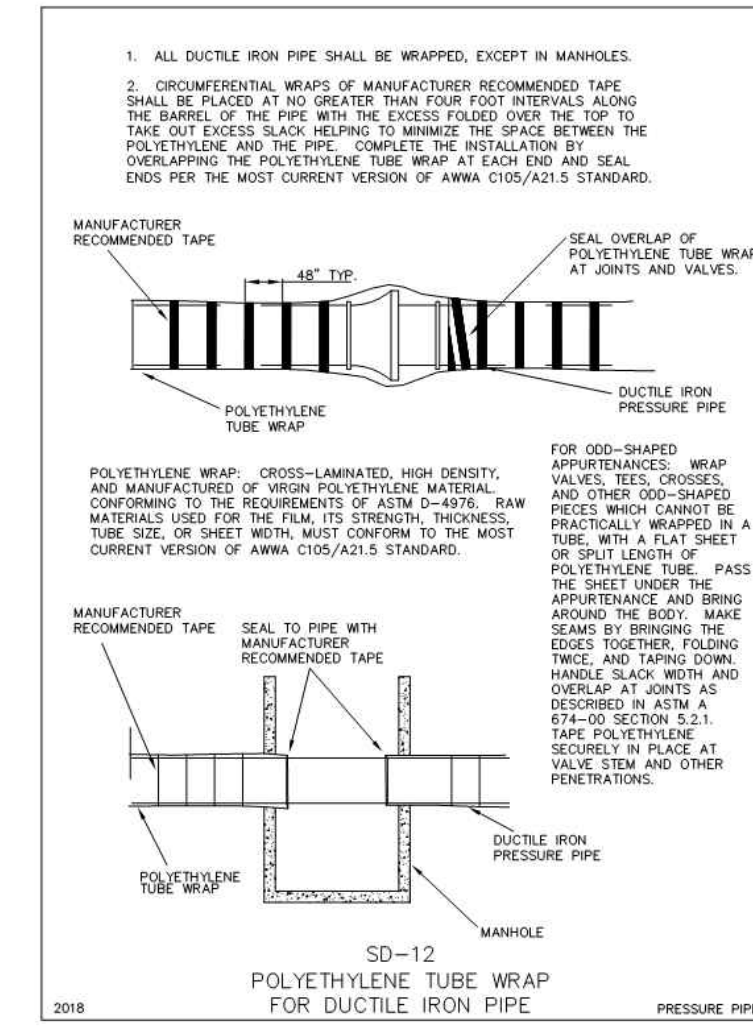
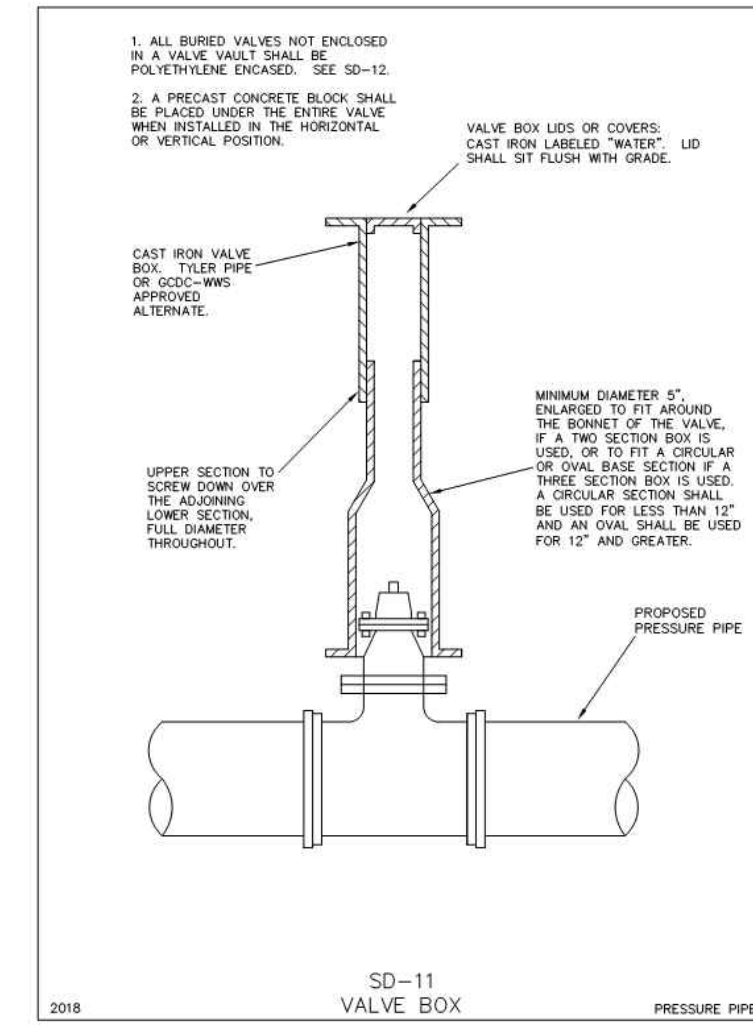
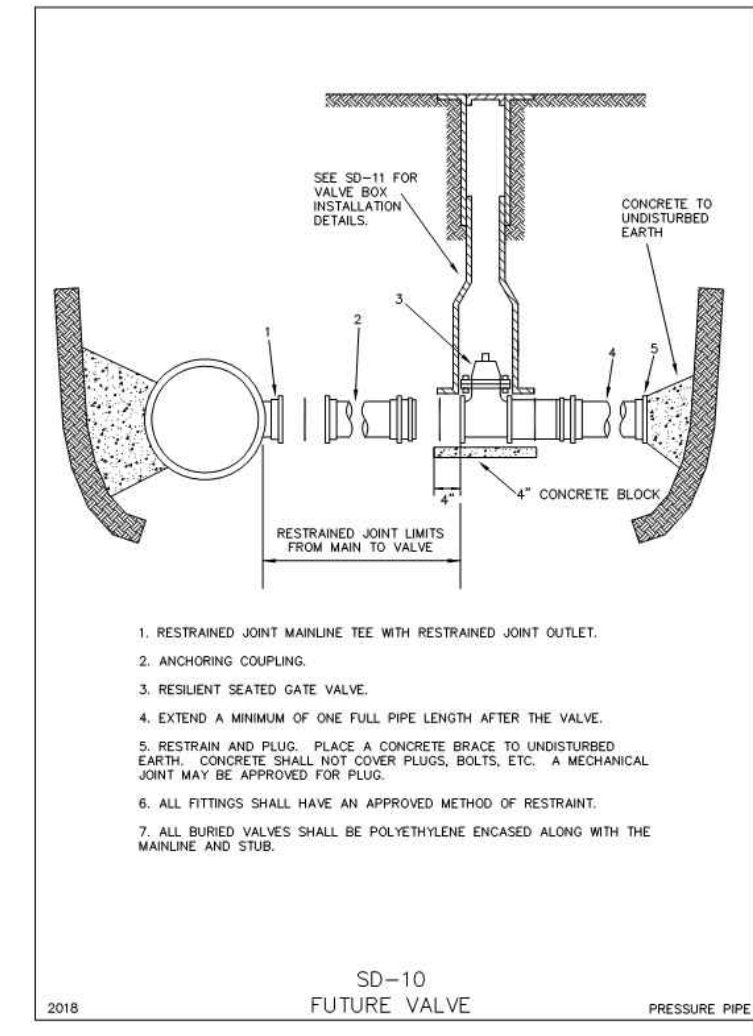
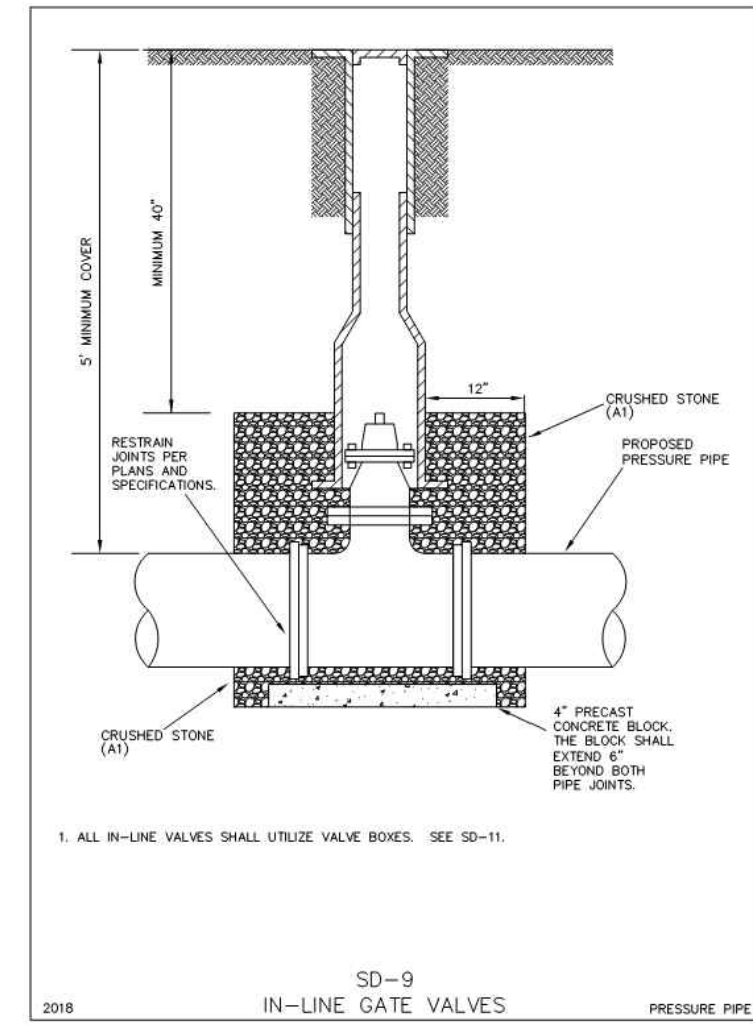
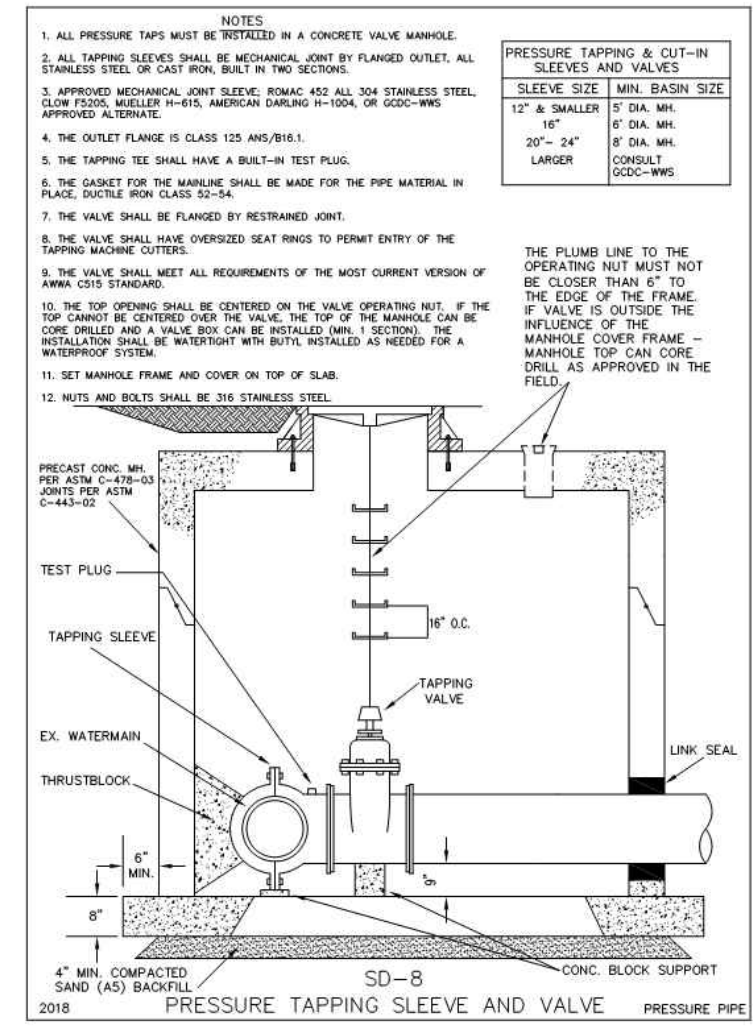
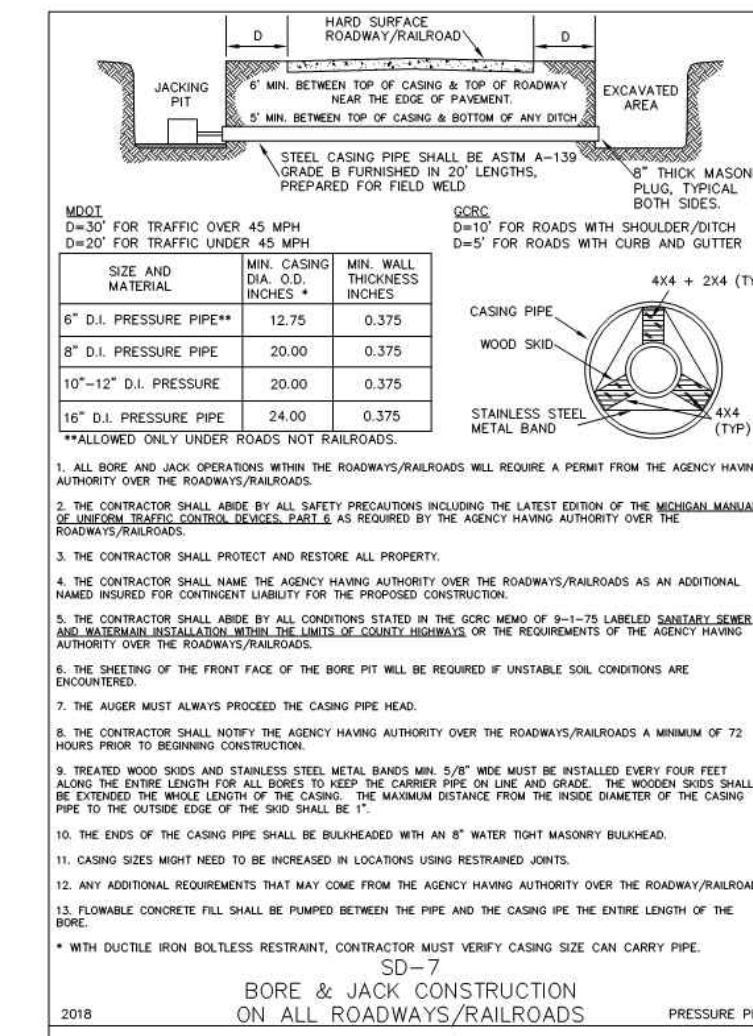
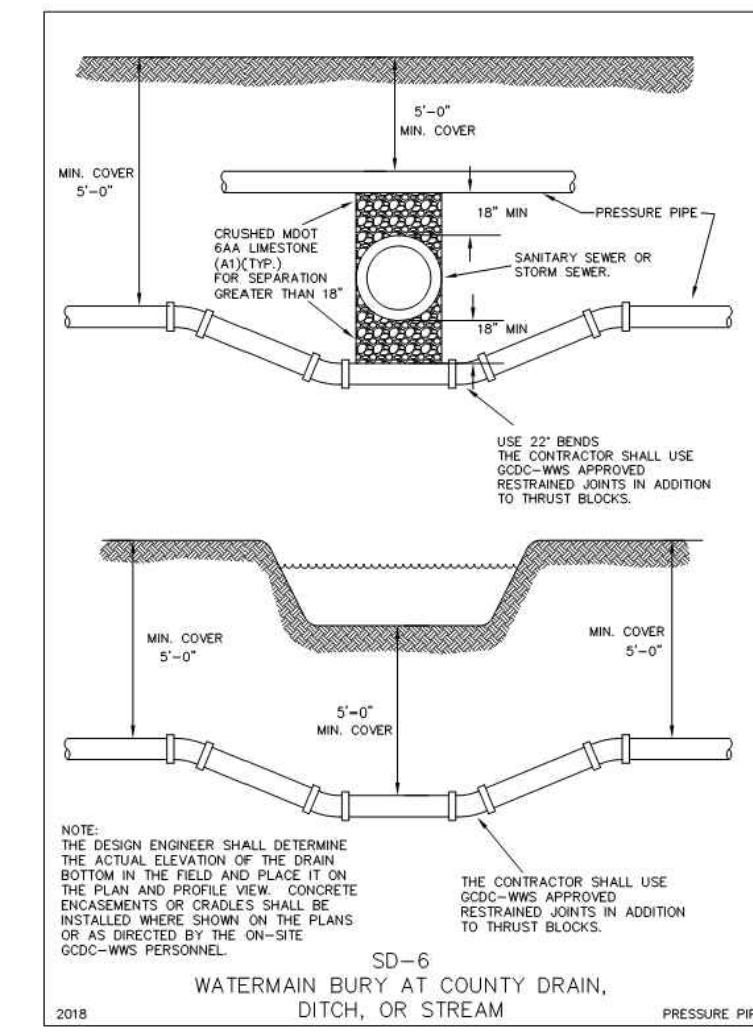
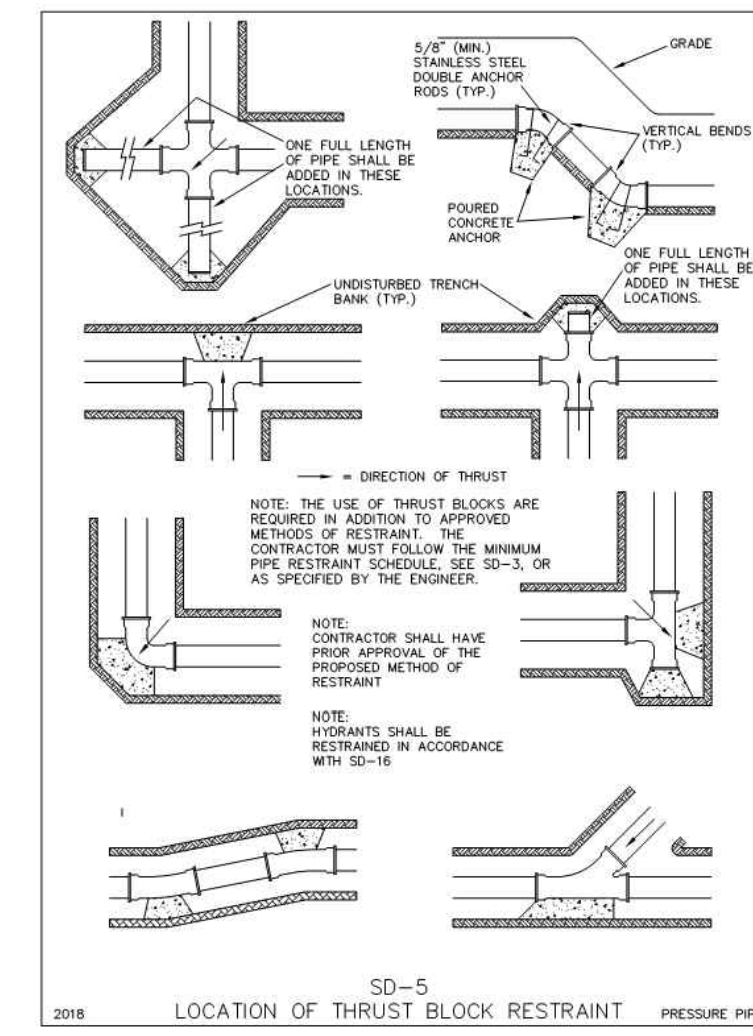


DETAILS



SD-4
MINIMUM PIPE RESTRAINT SCHEDULE

PIPE SIZE	45° BEND				22 1/2° BEND				PLUGS, HYDRANTS AND TEES				
	A	B	C	D	A	B	C	D	A	B	C	D	
6"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
8"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
10"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
12"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
14"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
16"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
18"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
20"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
24"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
30"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
36"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
42"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
48"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"



NO.	DATE	DESCRIPTION
1	2018	SEVENTH EDITION

DIVISION OF
WATER & WASTE SERVICES

PRESSURE PIPE CONSTRUCTION

STANDARD DETAILS

For the Construction of Sanitary Sewers & Watermain in Genesee County



GCDC DETAILS

C-506

CONTRACT DATE:
BUILDING TYPE: MO T40
PLAN VERSION:
BRAND DESIGNER:
SITE NUMBER: 313076
STORE NUMBER:

TACO BELL
7931 LAPEER ROAD
DAVISON, MI 48423



SCOPE OF WORK

1. THIS WORK SHALL CONSIST OF PERFORMING CLEARING AND GRUBBING, SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT.
2. QUANTITY TAKEOFF IS SUPPLIED FOR CONTRACTOR'S ASSISTANCE ONLY. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL PLANT MATERIALS AS PER PLAN.
3. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR WITHIN EASEMENT OR RIGHT-OF-WAY LIMITS.

PRESERVATION/PROTECTION (IF APPLICABLE)

1. CONTRACTOR SHALL MAINTAIN AND PRESERVE TREES AND SHRUBS NOT BEING REMOVED, INCLUDING THEIR ROOTS. TREE PROTECTION FENCING SHALL BE USED AT THE DRIP LINE OF ALL TREES AND SHRUBS WITHIN 50 FEET OF CONSTRUCTION EXCEPT AS SHOWN ON PLAN. FENCING SHALL REMAIN IN PLACE UNTIL FINAL PLANT INSPECTION FOLLOWING CONSTRUCTION. MATERIALS SHALL NOT BE STOCKPILED WITHIN THIS DEFINED AREA AND VEHICLES AND OTHER EQUIPMENT SHALL BE OPERATED TO AVOID SOIL COMPACTION.
2. FEEDER ROOTS SHOULD NOT BE CUT IN AN AREA EQUAL TO TWICE THE TREE CIRCUMFERENCE (MEASURED 6" ABOVE THE GROUND LINE IN INCHES) EXPRESSED IN FEET. (EXAMPLE: A CIRCUMFERENCE OF 10" WOULD HAVE A NO CUT ZONE OF 20 FEET IN ALL DIRECTIONS FROM THE TREE). THIS SHOULD APPLY TO UTILITY SERVICES, IF FEASIBLE. THE ONLY EXCEPTION TO THIS REQUIREMENT WILL BE THOSE SPECIFICALLY ALLOWED BY THE LANDSCAPE ARCHITECT, SPECIFICATIONS OR AS INDICATION ON THE PLANS.
3. TREE TRUNKS AND EXPOSED ROOTS DAMAGED DURING EQUIPMENT OPERATIONS SHALL BE TREATED IN ACCORDANCE WITH THE ARBOR CULTURAL STANDARDS OF THE CITY.

PLANT MATERIALS

1. GENERAL - ALL MATERIALS SHALL BE OF ITS KIND AVAILABLE AND SHALL HAVE BEEN GROWN IN A CLIMATE SIMILAR TO THAT ON SITE.
2. PLANTS - ALL PLANTS SHALL BE HEALTHY, OF NORMAL GROWTH, WELL-ROOTED, FREE FROM DISEASE AND INSECTS. QUALITY AND SIZE OF PLANT MATERIAL SHALL CONFORM TO ANSI Z60.1 "AMERICAN STANDARDS FOR NURSERY STOCK".
3. VARIETIES AND SIZES OF PLANTS SHALL BE AS SHOWN ON DRAWINGS.
4. PLANTS SHALL BE IN A HEALTHY, VIGOROUS CONDITION, FREE OF DEAD OR BROKEN BRANCHES, SCARS THAT ARE NOT COMPLETELY HEALED, FROST CRACKS, DISFIGURING KNOTS, BROKEN OR ABRADED BARK, REDUNDANT LEADERS OR BRANCHES, OR ABERRATIONS OF ANY KIND. PLANTS SHALL NOT HAVE MULTIPLE LEADERS, UNLESS THIS IS THE NATURAL FORM.
5. BALLED AND BURLAPPED (B&B) PLANTS SHALL BE DUG WITH A FIRM ROOT BALL OF NATURAL EARTH, OF A SIZE IN PROPORTION TO THE PLANT'S SIZE, AS MEASURED BY CALIPER, HEIGHT, OR SPREAD. BALLED AND BURLAPPED PLANTS SHALL BE HANDLED ONLY BY THE ROOT BALL, NOT BY THE TRUNK OR BRANCHES, AS THIS MAY BREAK OR LOOSEN THE ROOT BALL AND DAMAGE THE ROOT SYSTEM. CONTAINER PLANTS SHALL HAVE BEEN ESTABLISHED FOR A MINIMUM OF ONE FULL GROWING SEASON IN THEIR CONTAINERS BEFORE INSTALLATION. CONTAINER PLANTS SHALL BE HANDLED ONLY BY THE CONTAINER, NOT BY THE STEMS OR BRANCHES, AS THIS MAY PULL THE PLANT OUT OF THE CONTAINER AND BREAK OR LOOSEN THE ROOT BALL AND DAMAGE THE ROOT SYSTEM.
6. PLANTS SHALL BE PROTECTED FROM DRYING OUT DURING SHIPPING WITH TARPULINS OR OTHER COVERINGS. PLANTS SHALL BE PROTECTED FROM DRYING OUT AFTER DELIVERY BY PLANTING IMMEDIATELY; IF THIS IS NOT POSSIBLE, THE ROOT BALL SHALL BE COVERED WITH PEAT MOSS OR EARTH, AND WATERED FREQUENTLY TO KEEP IT MOIST UNTIL PLANTING.
7. DO NOT HANDLE, MOVE, BIND, TIE OR OTHERWISE TREAT PLANTS SO AS TO DAMAGE THE ROOT BALL, ROOTS, TRUNK, OR BRANCHES IN ANY WAY.

TOPSOIL

1. TOPSOIL HAS BEEN (OR WILL BE) STOCKPILED FOR REUSE IN LANDSCAPE WORK. IF QUANTITY OF STOCKPILED TOPSOIL IS INSUFFICIENT, PROVIDE ADDITIONAL TOPSOIL AS REQUIRED TO COMPLETE LANDSCAPE WORK. IMPORTED TOPSOIL SHALL CONSIST OF LOOSE, FRIABLE, LOAMY TOPSOIL WITHOUT ADMIXTURE OF SUBSOIL OR REFUSE. ACCEPTABLE TOPSOIL SHALL CONTAIN NOT LESS THAN 3 PERCENT NOR MORE THAN 20 PERCENT ORGANIC MATTER.
2. PLANTING BACKFILL FOR PARKING LOT ISLANDS SHALL CONSIST OF A HOMOGENEOUS MIXTURE OF 3 PARTS TOPSOIL TO ONE PART SPHAGNUM PEAT INSTALLED OVER A 6" THICKNESS OF NO. 57 AGGREGATE.

SOIL CONDITIONING

OTHER MATERIALS

1. BED EDGING - EDGING SHALL BE 4" STEEL EDGING WITH THREE (3) METAL ANCHOR STAKES PER 20 FOOT SECTION. ALL MASS PLANTING BEDS SHALL HAVE EDGING PLACED BETWEEN MULCH AREA AND ANY ADJACENT TURF AREA.
2. MULCH: ORGANIC MULCH FREE FROM DELETERIOUS MATERIALS AND SUITABLE FOR TOP DRESSING OF TREES, SHRUBS, OR PLANTS AND CONSISTING OF THE FOLLOWING:
 - a. RIVER ROCK MULCH AREA: AGGREGATE MULCH, 3/4"-2" IN SIZE, WASHED AND ROUNDED, SHALL BE INSTALLED WITHIN THE RIVER ROCK MULCH AREA PER THE PLAN. RIVER ROCK MULCH SHALL BE INSTALLED AT 3" INCHES DEPTH.
 - b. NON-DRYED, DOUBLE SHREDDED HARDWOOD SHALL BE INSTALLED IN ALL OTHER LANDSCAPE BEDS OUTSIDE OF THE RIVER ROCK MULCH AREA AT A DEPTH OF 3 INCHES.
3. WEED BARRIER - POLYETHYLENE FILTER FABRIC DESIGNED TO PERMIT WATER INFILTRATION WHILE PREVENTING WEED GROWTH-TO BE INSTALLED IN ALL PLANTING BEDS.

GENERAL WORK PROCEDURES

1. LANDSCAPE WORK SHALL BE ACCORDING TO THE WORKMANLIKE STANDARDS ESTABLISHED FOR LANDSCAPE CONSTRUCTION AND PLANTING IN THE MICHIGAN STANDARDIZED LANDSCAPE SPECIFICATIONS (ASLA) AND ANY LOCAL LANDSCAPE ORDINANCES.
2. CONTRACTOR SHALL OBTAIN A COPY OF LOCAL ORDINANCES REGARDING ACCEPTABLE PLANT AND PLANTING DETAILS AND ABIDE BY THOSE ORDINANCES AND DETAILS.
3. ENGINEER RESERVES THE RIGHT TO REJECT ALL PLANT MATERIAL DEEMED NOT ACCEPTABLE.
4. ANY PROPOSED PLANT SUBSTITUTIONS SHALL BE EQUIVALENT IN FORM, HABIT, STRUCTURE, BRANCHING AND LEAF TYPE AND MUST BE ISSUED TO THE LANDSCAPE ARCHITECT FOR APPROVAL, IN WRITING, PRIOR TO INSTALLATION.

WEEDING

1. BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.

PLANTING

1. POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE OWNER BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
2. PLANTING PITS SHALL BE AS PER DETAILS.
3. PREPARED SOIL SHALL BE TAMPED FIRMLY AT BOTTOM OF PIT. FILL PREPARED SOIL AROUND BALL OF PLANT. COMPLETE BACKFILLING AND WATER THOROUGHLY.
4. PREPARE RAISED EARTH BASIN AS WIDE AS PLANTING HOLE OF EACH PLANT.
5. WATER IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED.
6. INSTALL BED EDGING AND MULCH.
7. REMOVE ALL SALES TAGS, STRINGS, STRAPS, WIRE, ROPE OR OTHER MATERIALS THAT MAY INHIBIT PLANT GROWTH BOTH ABOVE AND BELOW THE SURFACE OF THE SOIL.
8. REMOVE ANY BROKEN, SUCKERING, DISEASED, CRISSCROSSED OR AESTHETICALLY DISPLEASING BRANCHES BACK TO LIVE LEADER OR SIDE LATERAL WITH A FLUSH CUT.
9. MULCH TREES AND SHRUBS AND OTHER AREAS NOTED ON THE PLANTING PLAN WITH A 3" LAYER OF MULCH AS SPECIFIED IN NOTE 2 OF "OTHER MATERIALS".

FINISH GRADING

1. ALL AREAS WILL BE GRADED BY THE CONTRACTOR TO SUBSTANTIALLY PLUS/MINUS 0.1 FOOT OF FINISH GRADE.
2. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN, UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE. SOIL AREAS ADJACENT TO THE BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS.
3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER.
4. PARKING LOT ISLAND SHALL BE BACKFILLED AS PART OF THIS CONTRACT.

LANDSCAPE NOTES & PLANTING SPECIFICATIONS

CLEANUP

1. UPON THE COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. AN 'ACCEPTABLE CONDITION' SHALL BE AS DEFINED AND APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

MAINTENANCE

(MAINTENANCE PERIOD TO COMMENCE AFTER FINAL INSPECTION.)

1. MAINTENANCE PERIOD FOR THIS CONTRACT SHALL BE 90 CALENDAR DAYS COMMENCING AFTER FINAL INSPECTION OF CONSTRUCTION.
2. MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS, RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED.
3. MAINTAIN LAWNS BY WATERING, MOWING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.
4. MAINTAIN THE LANDSCAPING BY KEEPING ALL PLANTS DISEASE-FREE AND PLANTING BEDS GROOMED, EXCEPT IN NATURALLY OCCURRING VEGETATION AREAS.
5. REPLACE ANY REQUIRED PLANTING(S), WHICH SEVERELY DECLINE OR DIE AFTER THE DATE OF PLANTING. SUCH REPLACEMENT SHALL OCCUR DURING THE NEXT APPROPRIATE PLANTING SEASON.

SEEDING

1. GRASS SEED SHALL BE FRESH, CLEAN, DRY, NEW-CROP SEED COMPLYING WITH THE ASSOCIATION OF OFFICIAL SEED ANALYSTS' "RULES FOR TESTING SEEDS" FOR PURITY AND GERMINATION TOLERANCES.
2. ALL AREAS TO BE SEEDED SHALL RECEIVE NO LESS THAN FIVE POUNDS OF SEED PER ONE THOUSAND SQUARE FEET. APPLY SEED AND PROTECT WITH STRAW MULCH AS REQUIRED FOR NEW LAWNS. GRASS SEED MIX SHALL CONSIST OF THE FOLLOWING:

PROPORTION	NAME	MIN.% GERM.	MIN.% PURE SEED	MAX.% WEED SEED
30%	KENTUCKY BLUEGRASS (POA PRATENSIS)	80	85	0.50
30%	CREEPIING RED FESCUE (FESTUCA RUBRA)	85	98	0.50
20%	PERENNIAL RYE GRASS (LOLIUM PERENNE)	90	98	0.50
20%	ANNUAL RYEGRASS (LOLIUM MULTIFLORUM)	85	92	1.00

SODDING

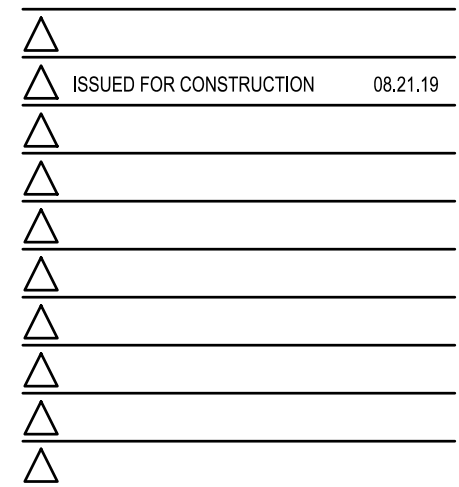
1. SOD SHALL BE FIRST GRADE CERTIFIED KENTUCKY BLUEGRASS BLEND CONTAINING NOT MORE THAN 30 PERCENT OF OTHER GRASSES AND CLOVERS, AND FREE FROM ALL NOXIOUS WEEDS. SOD SHALL BE RECENTLY MOWED TO A HEIGHT OF NOT LESS THAN 3 INCHES. IT SHALL BE CUT INTO STRIPS OF NOT LESS THAN 3 FEET AND NOT OVER 6 FT. WITH A UNIFORM WIDTH OF NOT OVER 24 INCHES.
2. THE SOD SHALL BE CUT TO A DEPTH EQUAL TO THE GROWTH OF THE FIBROUS ROOTS BUT IN NO CASE LESS THAN 1 INCH. SOD SHALL BE DELIVERED TO THE JOB WITHIN 24 HOURS AFTER BEING CUT AND SHALL BE INSTALLED WITHIN 48 HOURS AFTER BEING CUT.
3. BEFORE SOD IS PLACED, THE SOD BED WILL HAVE BEEN EXCAVATED TO SUCH A DEPTH THAT WHEN THE SOD IS IN PLACE THE TOP OF THE SOD WILL BE FLUSH WITH THE SURROUNDING GRADE. NO SOD SHALL BE PLACED WHEN THE TEMPERATURE IS BELOW 32 DEGREES F. NO FROZEN SOD SHALL BE PLACED NOR SHALL ANY SOD BE PLACED ON FROZEN SOIL.
4. WHEN SOD IS PLACED BETWEEN THE DATES OF JUNE 1ST AND OCTOBER 15TH, IT SHALL BE COVERED IMMEDIATELY WITH A STRAW MULCH 1 INCH THICK (LOOSE MEASUREMENT). AFTER LAYING, THE SOD SHALL BE WATERED THOROUGHLY AND TAMPED WITH APPROVED SOD TAMPERS SUFFICIENTLY TO BRING THE SOD INTO CLOSE CONTACT WITH THE SOD BED AND INSURE TIGHT JOINTS BETWEEN THE SECTIONS OR STRIPS.
5. THE CONTRACTOR SHALL KEEP ALL SODDED AREAS INCLUDING SUBGRADE, THOROUGHLY MOIST FOR 30 DAYS AFTER SODDING.
6. THE CONTRACTOR SHALL REPAIR ANY AREAS DAMAGED FOLLOWING INSTALLATION AS DIRECTED BY THE ENGINEER. SOD SHALL BE IN PLACE AT LEAST 30 DAYS BEFORE FINAL ACCEPTANCE.

PLANTING SCHEDULE

1. ALL PLANTING IS RECOMMENDED TO BE DONE WITHIN THE FOLLOWING DATES. WHEN PLANTING OUTSIDE THESE DATES, WRITTEN DOCUMENTATION SHALL BE PROVIDED THAT SURVIVAL OR REPLACEMENT WILL BE ENSURED. NO PLANTING SHALL BE DONE IN FROZEN SOIL.

NORMAL PLANTING SEASONS

ALL TREES AND SHRUBS
EVERGREENS
GROUNDCOVERS
SEED AND MULCH



CONTRACT DATE:
BUILDING TYPE: MO T40
PLAN VERSION:
BRAND DESIGNER:
SITE NUMBER: 313076
STORE NUMBER:

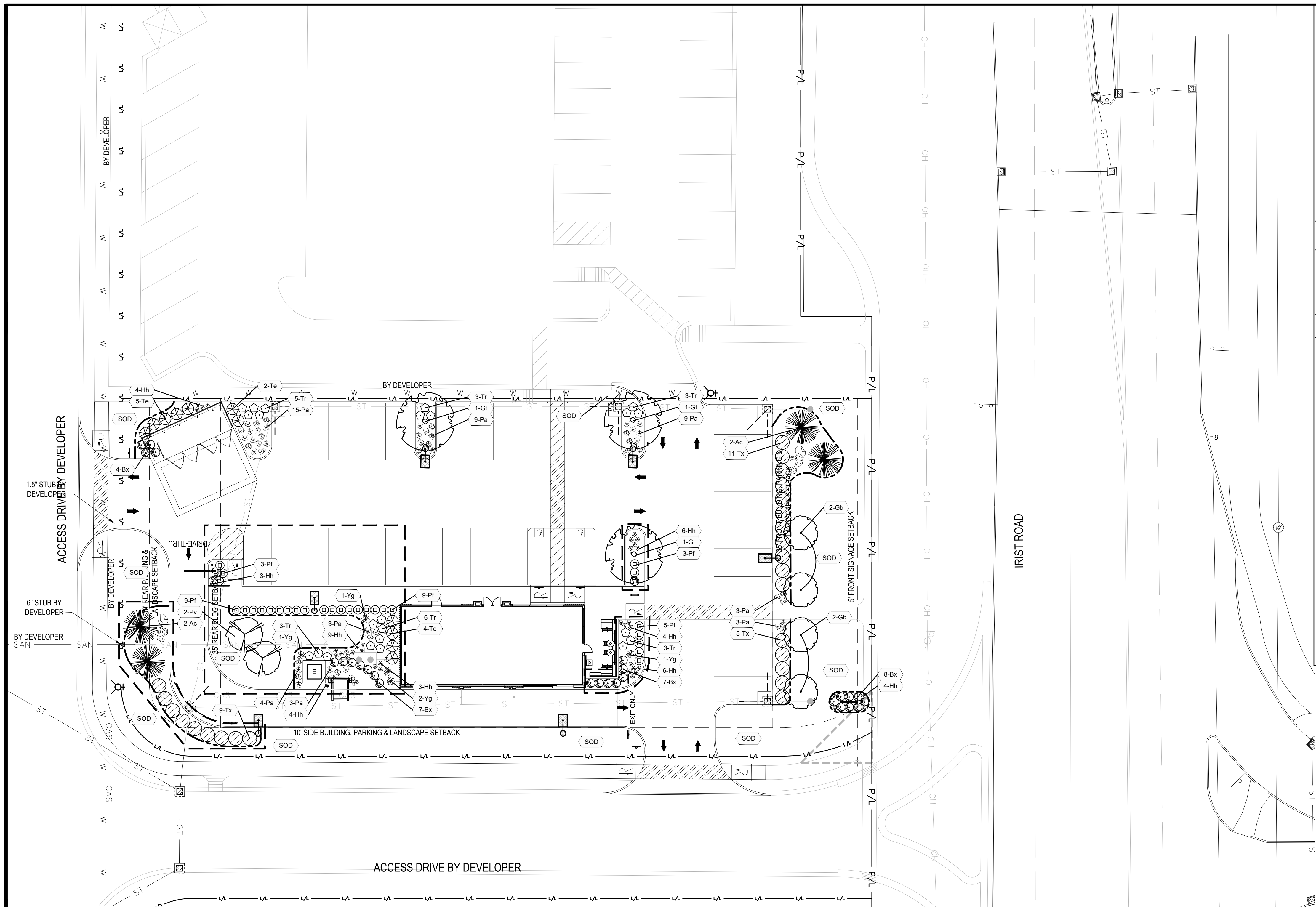
TACO BELL

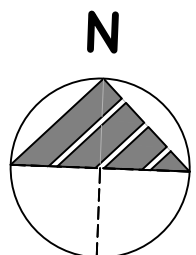
7931 LAPEER ROAD
DAVISON, MI 48423




LANDSCAPE NOTES

L-001





N



0 10 20 40
1"=20'
Horizontal Scale in Feet

MICHIGAN'S ONE-CALL UTILITY NOTIFICATION ORGANIZATION

THREE FULL WORKING DAYS BEFORE YOU DIG,
CALL THE MISS DIG SYSTEM AT


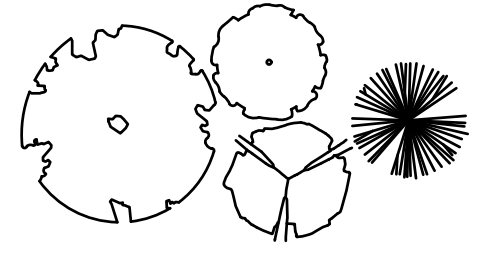
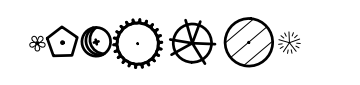
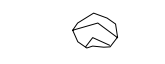

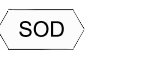

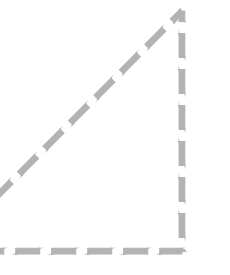
1-(800)-462-7171

OR CALL #DIG
FREE FROM YOUR AT&T OR CINGULAR CELLULAR PHONE

THE MISS DIG MEMBER UTILITIES WILL MARK THE APPROXIMATE
LOCATION OF THEIR UNDERGROUND PUBLIC UTILITY LINES AT NO
CHARGE.

- LANDSCAPE NOTES**
- MULCH PER LANDSCAPE SPECIFICATIONS.
 - ALL DISTURBED AREAS NOT TO BE PAVED OR MULCHED SHALL BE SODDED PER SPECIFICATIONS.

LANDSCAPE LEGEND

-  PROPOSED LANDSCAPE BED EDGE
-  PROPOSED TREE
-  PROPOSED SHRUB
-  PROPOSED LIMESTONE BOULDER, DESERT SAND, 12"-36"
-  PROPOSED PLANT QUANTITY AND SYMBOL
-  PROPOSED LAWN AREA
-  PROPOSED RIVER ROCK GRAVEL AREA
-  CLEAR VISION ZONE

GENERAL LANDSCAPING		
1 TREE FOR EVERY 3,000 SF OF LANDSCAPED OPEN-SPACE	15,681 SF = 5.2 TREES	7 PROPOSED (DOES NOT INCLUDE GREENBELT TREES)
GREENBELT BUFFER		
1 TREE PER 25 LINEAL FEET OF GREENBELT	130 LF = 5.2 TREES	6 PROPOSED

PLANT LIST

Symbol	Botanical Name	Common Name	Qty.	Min. Size	Condition	Remarks
Ac	<i>Abies concolor</i>	White Fir	4	6' H	B&B	Per Plan
Bx	<i>Buxus x 'Green Gem'</i>	Green Gem Boxwood	27	18" H	B&B	3' o/c
Gb	<i>Ginkgo biloba 'Fairmount'</i>	Fairmont Ginkgo	4	1.5" Cal.	B&B	Per Plan
Gt	<i>Gleditsia f. inermis 'Skycole'</i>	Skyline Honeylocust	3	2" Cal.	B&B	Matching
Hh	<i>Hemerocallis 'Happy Returns'</i>	Happy Returns Daylily	43	No. 1	Cont.	1.5' o/c
Pa	<i>Pennisetum alopecuroides 'Hamel'</i>	Dwarf Fountain Grass	49	No. 2	Cont.	Per Plan
Pf	<i>Potentilla fruticosa 'Goldfinger'</i>	Goldfinger Potentilla	29	No. 3, 18" H	Cont.	3' o/c
Pv	<i>Prunus virginiana 'Canada Red'</i>	Canada Red Chokecherry	2	1.5" Cal.	B&B	Matching
Tx	<i>Taxus x media 'Everlow'</i>	Everlow Yew	25	24" H	B&B	5' o/c
Te	<i>Thuja occidentalis 'Emerald'</i>	Emerald Arborvitae	11	5' H	B&B	4' o/c
Tr	<i>Thuja occidentalis 'Rheingold'</i>	Dwarf Golden Arborvitae	23	24" H	Cont.	Per Plan
Yg	<i>Yucca glauca</i>	Soapweed	5	No. 3	Cont.	Per Plan

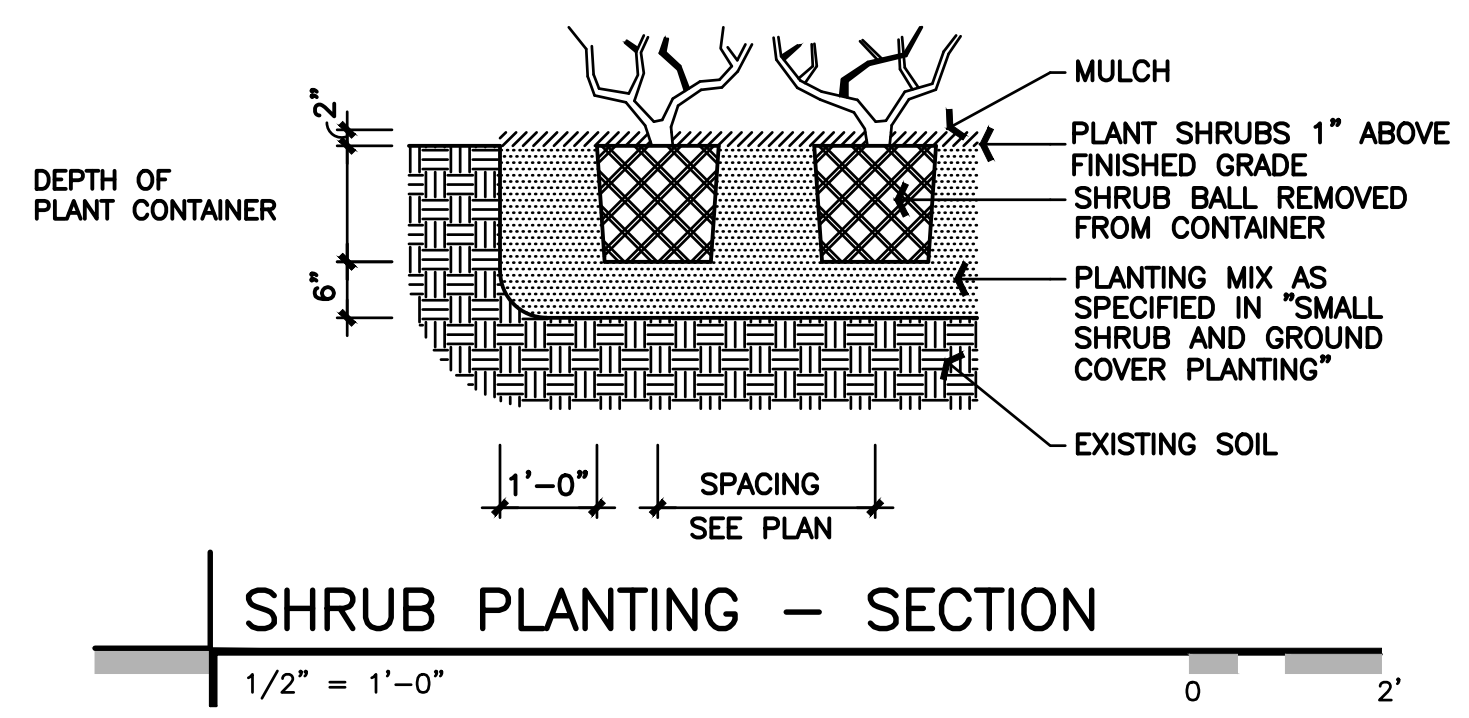
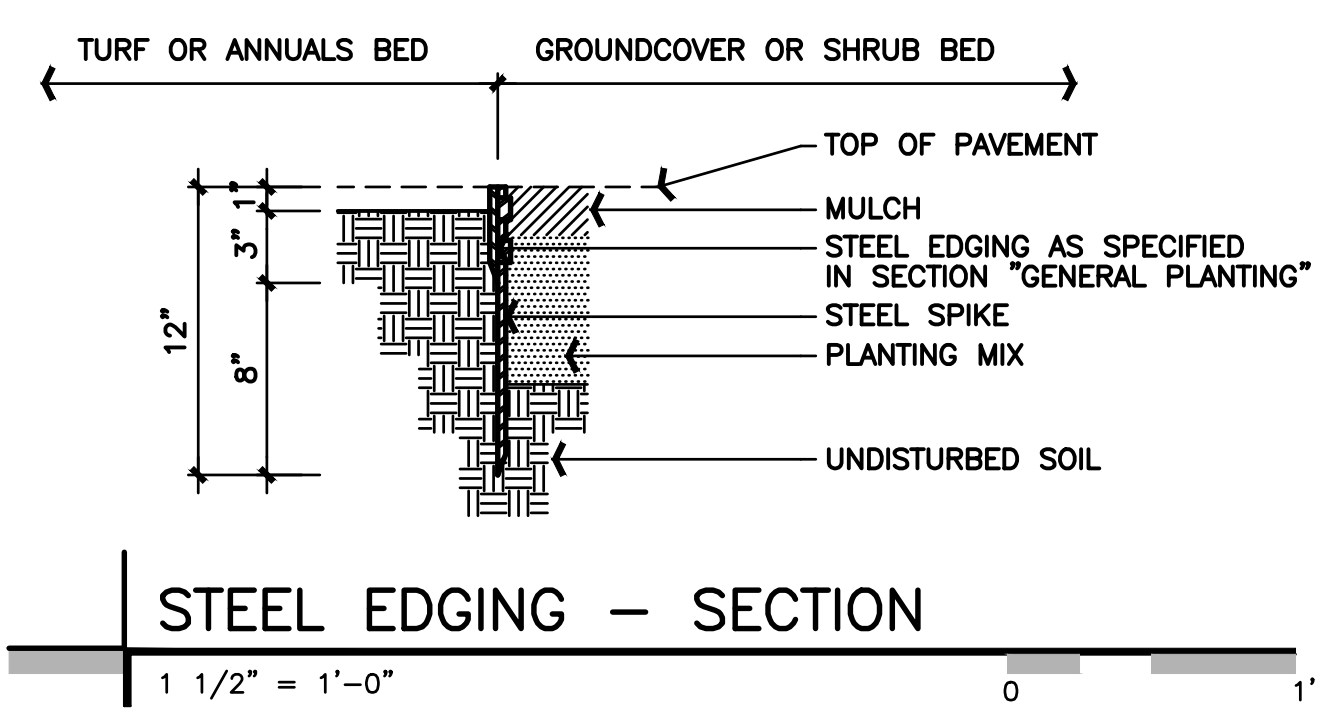
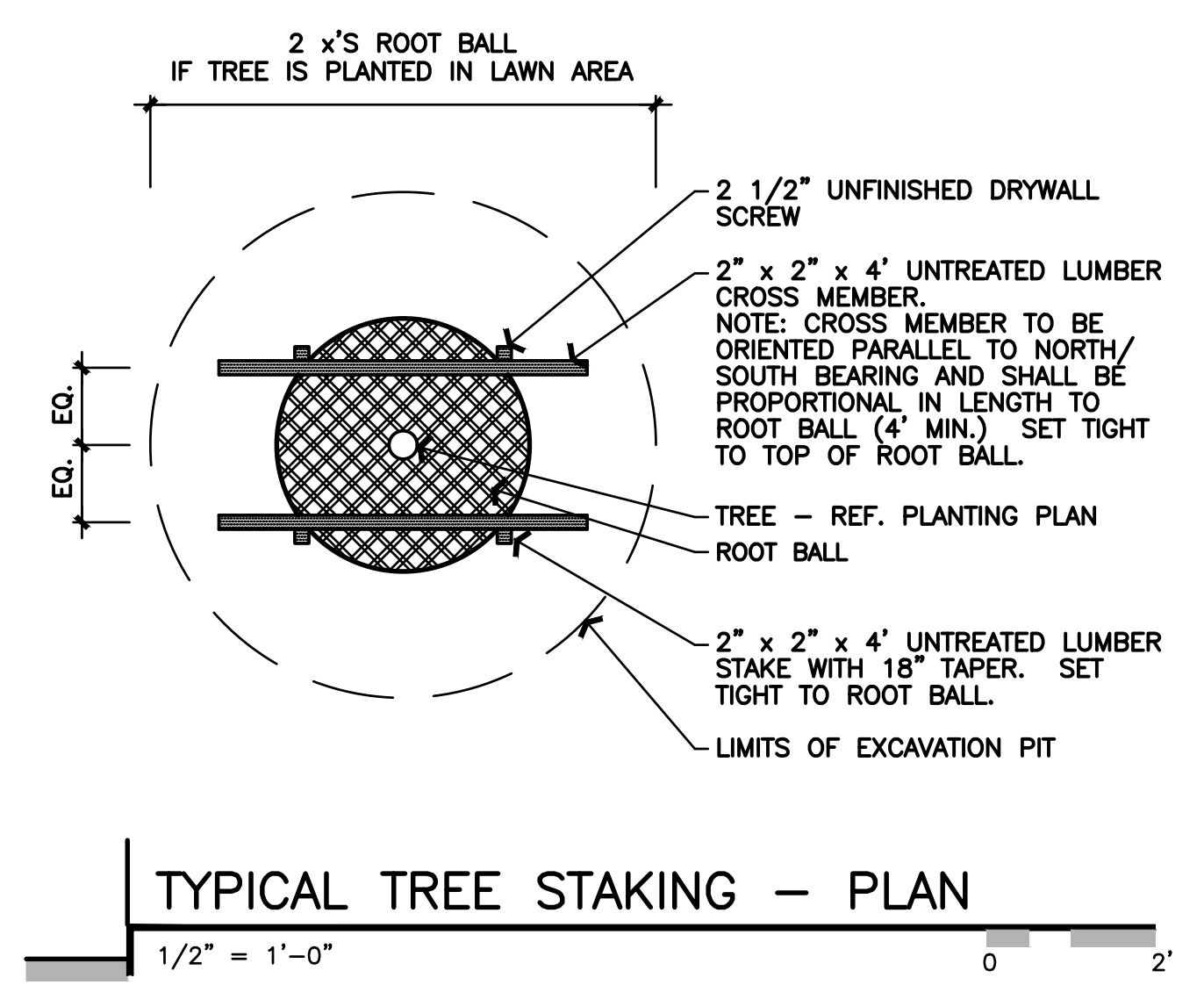
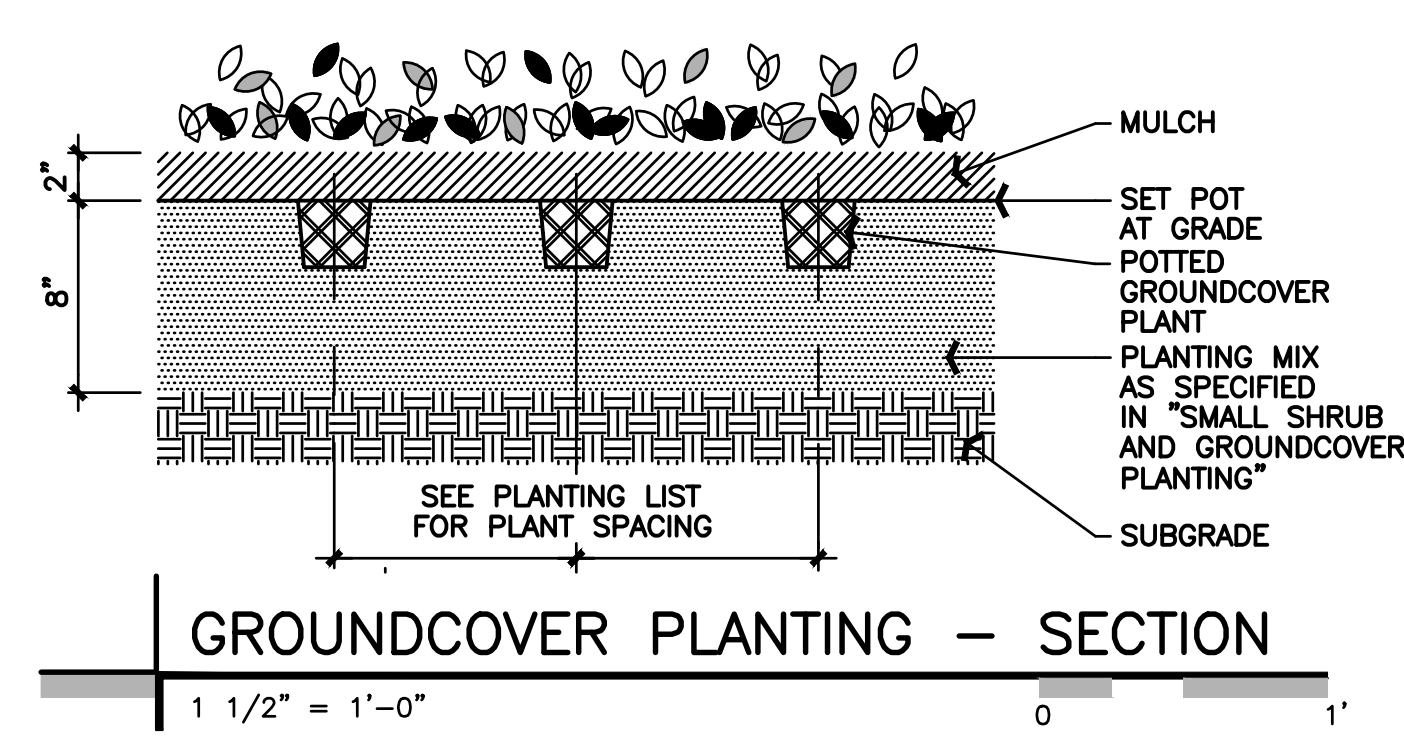
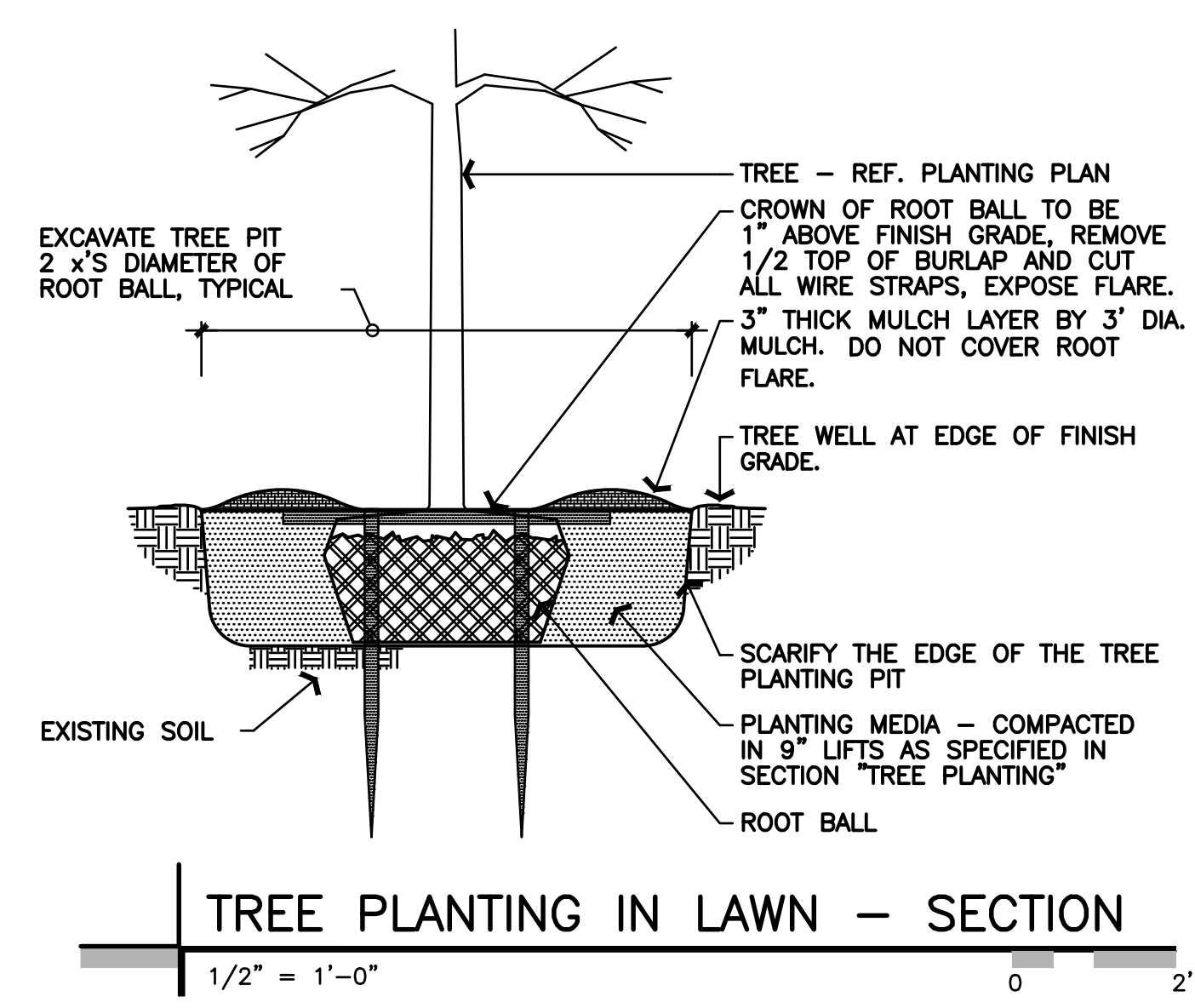
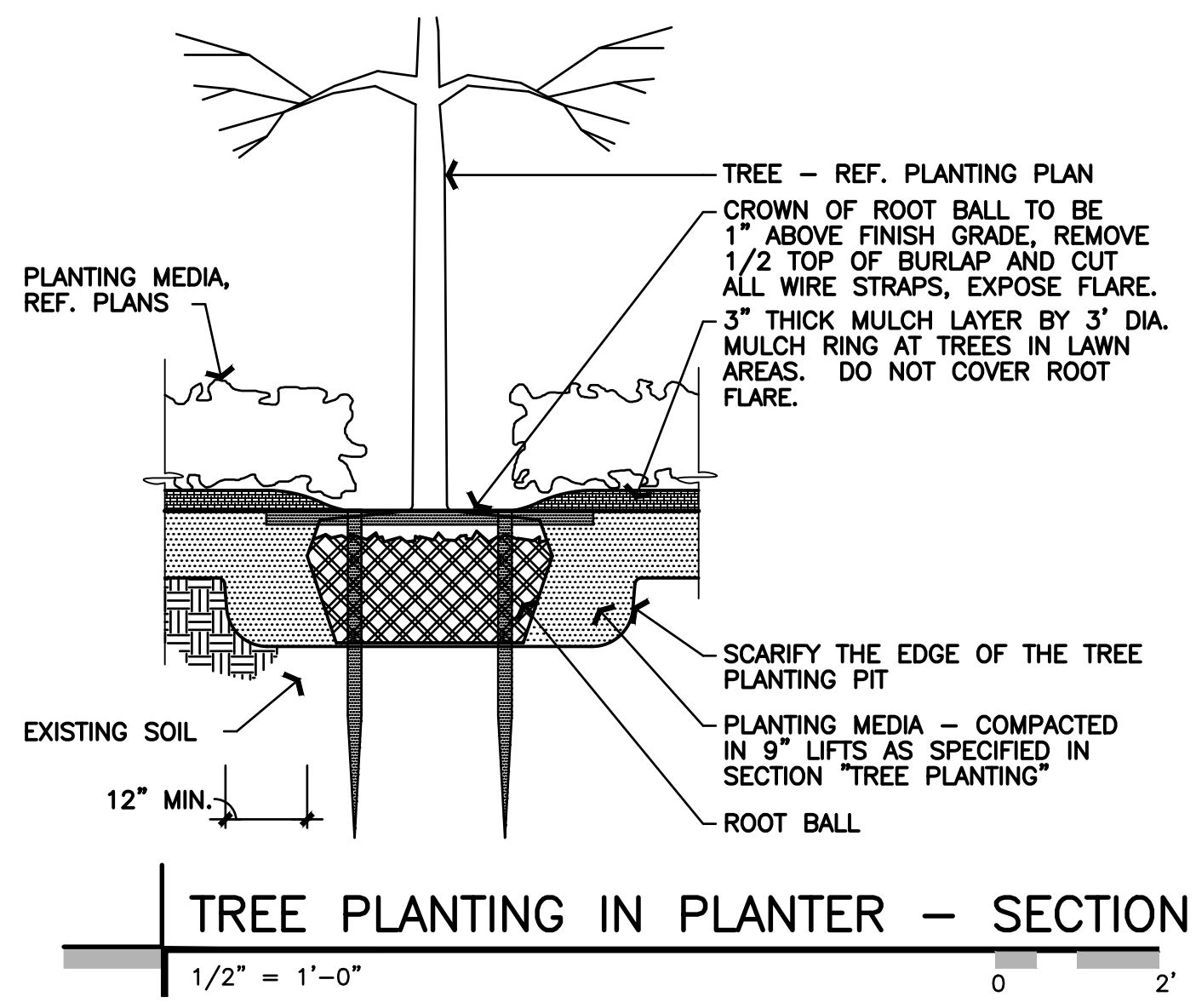
A1 LANDSCAPE PLAN
1" = 20'

△	ISSUED FOR CONSTRUCTION	08.21.19
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△		

CONTRACT DATE:
BUILDING TYPE: MO T40
PLAN VERSION:
BRAND DESIGNER:
SITE NUMBER: 313076
STORE NUMBER:

TACO BELL
7931 LAPEER ROAD
DAVISON, MI 48423



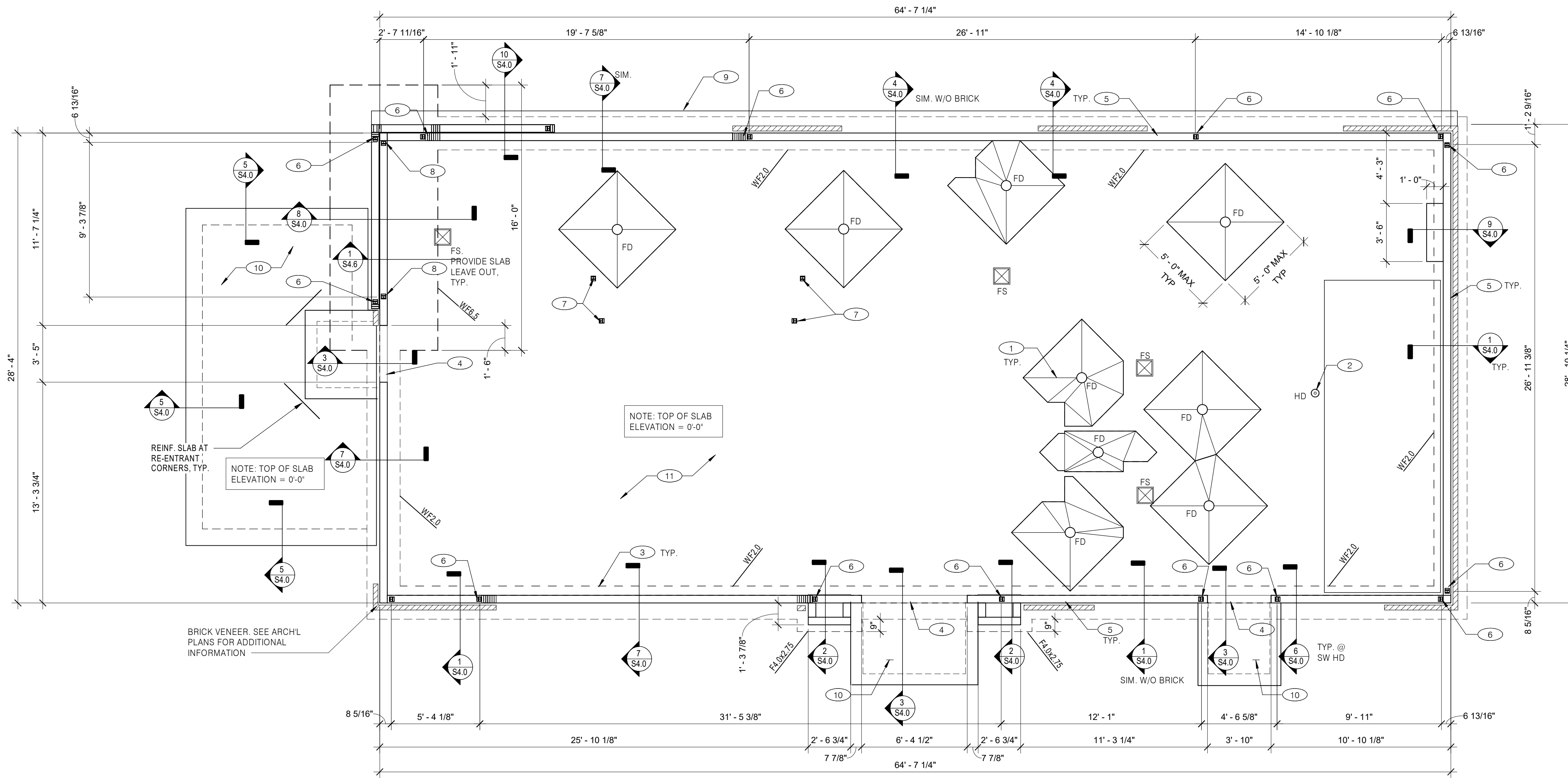


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CONTRACT DATE:
BUILDING TYPE: MO T40
PLAN VERSION:
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SITE NUMBER: 313076
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TACO BELL
7931 LAPEER ROAD
DAVISON, MI 48423





NOTE: DIMENSIONS SHOWN ON PLAN ARE FROM EXTERIOR FACE OF WALL STUDS. EXTERIOR FACE OF CONCRETE FOUNDATION STEM WALL TO BE FLUSH WITH EXTERIOR FACE OF WALL SHEATHING.

NOTE: REFER TO CIVIL PLANS FOR EXTENT OF FROST SLAB AND PATIO SLAB

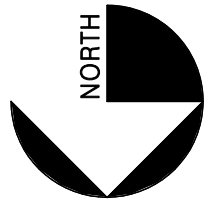
NOTE: TOP OF SLAB ELEVATION = 0'-0"

NOTE: TOP OF SLAB ELEVATION = 0'-0"

REINF. SLAB AT RE-ENTRANT CORNERS, TYP.

FS. PROVIDE SLAB LEAVE OUT, TYP.

BRICK VENEER. SEE ARCHL PLANS FOR ADDITIONAL INFORMATION



08.21.19	Issued for Construction

CONTRACT DATE:
BUILDING GROUP: GROUND-UP
FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

FOUNDATION PLAN 1/4" = 1'-0" **A**

DESIGN CRITERIA	SEISMIC LOADS	FOUNDATION
<p>2015 MICHIGAN BUILDING CODE</p> <p>2015 INTERNATIONAL BUILDING CODE</p> <p>ROOF SNOW LOADS:</p> <p>GROUND SNOW LOAD (Pg): 30 PSF</p> <p>EXPOSURE FACTOR (Ce): 1.0</p> <p>IMPORTANCE FACTOR (I): 1.0</p> <p>THERMAL FACTOR (Ct): 1.0</p> <p>FLAT ROOF SNOW LOAD (Pt): 21 PSF</p> <p>ROOF LOADS:</p> <p>LIVE LOAD: 20 PSF</p> <p>DEAD LOAD: 20 PSF</p> <p>WIND LOADS:</p> <p>RISK CATEGORY: II</p> <p>3 SECOND GUST (ULTIMATE): 115 MPH</p> <p>IMPORTANCE FACTOR: 1.0</p> <p>EXPOSURE CATEGORY (MWFRS): B</p> <p>INTERNAL PRESSURE COEFF.: +/- 0.18</p> <p>PROVIDE SHOP DRAWINGS AND CALCULATIONS PREPARED BY A REGISTERED STRUCTURAL ENGINEER IN THE STATE OF MICHIGAN FOR SIGNS AND ROOF TRUSSES.</p>	<p>RISK CATEGORY: II</p> <p>SEISMIC IMPORTANCE FACTOR: 1.0</p> <p>SITE CLASS: D</p> <p>MAPPED SPECTRAL RESPONSE ACCEL:</p> <p>Ss: 0.095</p> <p>S1: 0.047</p> <p>SPECTRAL RESPONSE COEFF.:</p> <p>SHORT PERIODS (SDS): 0.100</p> <p>1 SEC. PERIODS (SD1): 0.075</p> <p>SEISMIC DESIGN CATEGORY: B</p> <p>WOOD SHEAR WALLS RESPONSE MOD. FACTOR (R): 6.5</p> <p>DESIGN BASE SHEAR (V): 0.0154W</p> <p>ANALYSIS BY SIMPLIFIED PROCEDURE</p>	<p>1. FOUNDATION DESIGN IS BASED UPON THE GEOTECHNICAL ENGINEERING REPORT BY CARDNO DATED MAY 8, 2015. PROJECT NO. N242701501.</p> <p>2. CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL.</p> <p>3. COORDINATE STRUCTURAL PLANS AND DETAILS WITH REQUIREMENTS OF GEOTECHNICAL REPORT. FOUNDATION DESIGN IS BASED ON 2,000 PSF ALLOWABLE BEARING CAPACITY AFTER REMOVAL AND REPLACEMENT OF NATIVE SOILS WITH ORGANICS PER THE GEOTECHNICAL REPORT.</p> <p>4. CONTRACTOR SHALL TREAT SOIL BELOW SLAB FOR TERMITES.</p> <p>5. REFER TO THE GEOTECHNICAL REPORT FOR GENERAL REQUIREMENTS OF EARTHWORK, OVEREXCAVATION, SUBGRADE PREPARATION, FILL AND COMPACTION, WATERPROOFING AND OTHER PERTINENT REQUIREMENTS AND INFORMATION.</p> <p>6. PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS OR THROUGH THE GRADE BEAMS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS. LOWER FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.</p> <p>7. MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.</p> <p>8. ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.</p> <p>9. DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.</p> <p>10. MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE RUNOFF AWAY FROM STRUCTURES AND TO PREVENT PONDING OF SURFACE RUNOFF NEAR THE STRUCTURES.</p>

E

CONCRETE:

A. CONCRETE SHALL BE HARD ROCK CONCRETE (6 SACK CEMENT PER CU. YD. MIN.) AND MEET THE FOLLOWING MIN. ULTIMATE COMPRESSIVE STRENGTHS AT 28 DAYS:

LOCATION	MIN. STRENGTH	AGGREGATE	SLUMP
SLAB ON GRADE (4000 DESIGN)	1" x #4	3-1/2"	+1/2"
FOUNDATIONS (4000 DESIGN)	1" x #4	3-1/2"	+1/2"

B. CONCRETE MIX DESIGN AND TESTING SHALL MEET WITH THESE SPECS. CEMENT SHALL BE IN ACCORDANCE WITH ASTM C 150 TYPE II. VERIFY MIN. CONCRETE STRENGTH AND CEMENT TYPE.

C. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.

D. CONCRETE CURING SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ACI-318-14. AND STANDARD PRACTICE FOR CURING CONCRETE REPORTED BY COMMITTEE 308.

E. ANCHOR BOLTS - A36 OR A307, USE 3/8" DIAMETER x 12" LONG HEX HEADED ANCHOR BOLTS (A.B.) AT 48" O.C. U.O.N.

F. ALL WWF SHALL CONFORM TO ASTM 1064.

SLAB:

A. DESIGN IS BASED UPON 4" THICK CONCRETE SLAB REINFORCED W/ WWF 6x6-W1.4x1.4 W.W.F. (ASTM A1064) CENTERED IN SLAB OVER 10 MIL VISQUEEN MEMBRANE, OVER 4" AGGREGATE BASE, OVER ENGINEERED SUBGRADE.

B. PROVIDE CONTROL JOINTS AS FOLLOWS: 1/8" x T4 DEEP SAWCUTS @ 12'-0" O.C. SQ. MAX. w/ AN ASPECT RATIO OF NO MORE THAN 2:1.

MISCELLANEOUS:

A. DIMENSIONS NOTED ARE TO FACE OF WALL STUD. REFER TO DWG. A1.0 FOR DIMENSIONS TO FACE OF STUD AND OTHER DIMENSIONS NOT OTHERWISE NOTED.

B. DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.

C. DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.

D. SEE PLUMB. DWGS. FOR PLUMB. LAYOUT DIMENSIONS, U.O.N.

E. SEE ELECT. DWGS. FOR ELECT. LAYOUT DIMENSIONS, U.O.N.

F. COORD. FOUNDATION AND SLAB LAYOUT WITH OTHER TRADES PRIOR TO POURING SLAB.

FOUNDATION PLAN NOTES **D**

MARK	WIDTHxLENGTHxTHICKNESS	REINFORCING
WF2.0	2'-0"xCONT.x2'-10"	(3)#5 CONT. T.&B
WF6.5	6'-6"xCONT.x2'-10"	LONG: (10)#6 CONT. T.&B TRANS: #6 @ 12" O.C. T.&B
F4.0x2.75	4'-0"x2'-9"x2'-10"	LONG: (4)#5 CONT. T.&B TRANS: #5 @ 12" O.C. T.&B

NOTES:

- "WFx" DENOTES WALL FOOTING.
- "Fx" DENOTES COLUMN FOOTING.
- MINIMUM FROST DEPTH OF FOOTING = 3'-6" BELOW FIN. GRADE.
- TOP OF ALL FOOTINGS TO BE 6" BELOW TOP OF SLAB U.O.N.
- LONGITUDINAL WALL FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH ALL COLUMN FOOTINGS.

FOOTING SCHEUDLE **C**

- FLOOR DRAINS LOCATED 1/2" BELOW T.O. SLAB. SLOPE SLAB AS INDICATED ON PLAN TO PROVIDE POSITIVE DRAINAGE.
- PROVIDE HUB DRAIN (HD) UNLESS REQUIRED BY LOCAL CODE TO HAVE FLOOR SNK (FS).
- INDICATES INSIDE SURFACE OF FOOTING. SEE SHEET S4.0. REFER TO FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
- STOP FOUNDATION STEM WALL AT THRESHOLD. SEE 3/S4.0.
- ANCHOR BOLTS LOCATED THROUGHOUT PERIMETER OF BUILDING SHALL BE PROVIDED AS REQUIRED PER THE "PLATE/ANCHOR BOLT" COLUMN OF THE "WALL SHEATHING AND SHEARWALL SCHEDULE." SEE D/S2.0.
- HDU4 HOLDOWN ANCHOR AT EACH END OF SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.
- DTT2-SDS2.5 ANCHOR FOR SUPPORT OF HALF WALL.
- HD19 HOLDOWN ANCHOR AT EACH END OF INTERIOR SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.
- CONCRETE CURB ALONG EXTERIOR OF DRIVE THRU WALL PER CIVL PLANS.
- 4" EXTERIOR CONCRETE SLAB REINFORCED W/ WWF6x6-W2.9xW2.9, OVER 4" AGGREGATE BASE OVER SUBGRADE. SEE SLAB NOTES THIS SHEET FOR ADDITIONAL INFORMATION. SEE CIVL PLAN FOR EXTENT OF SLAB.
- 4" CONCRETE SLAB REINFORCED W/ WWF6x6-W1.4xW1.4 OVER MIN. 10 MIL. POLYETHYLENE VAPOR RETARDER, OVER 4" AGGREGATE BASE OVER SUBGRADE.

KEY NOTES **B**

Taco Bell
7931 Lapeer Rd Davison,
MI 48423



T40

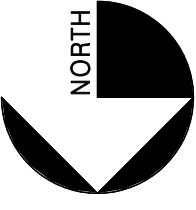
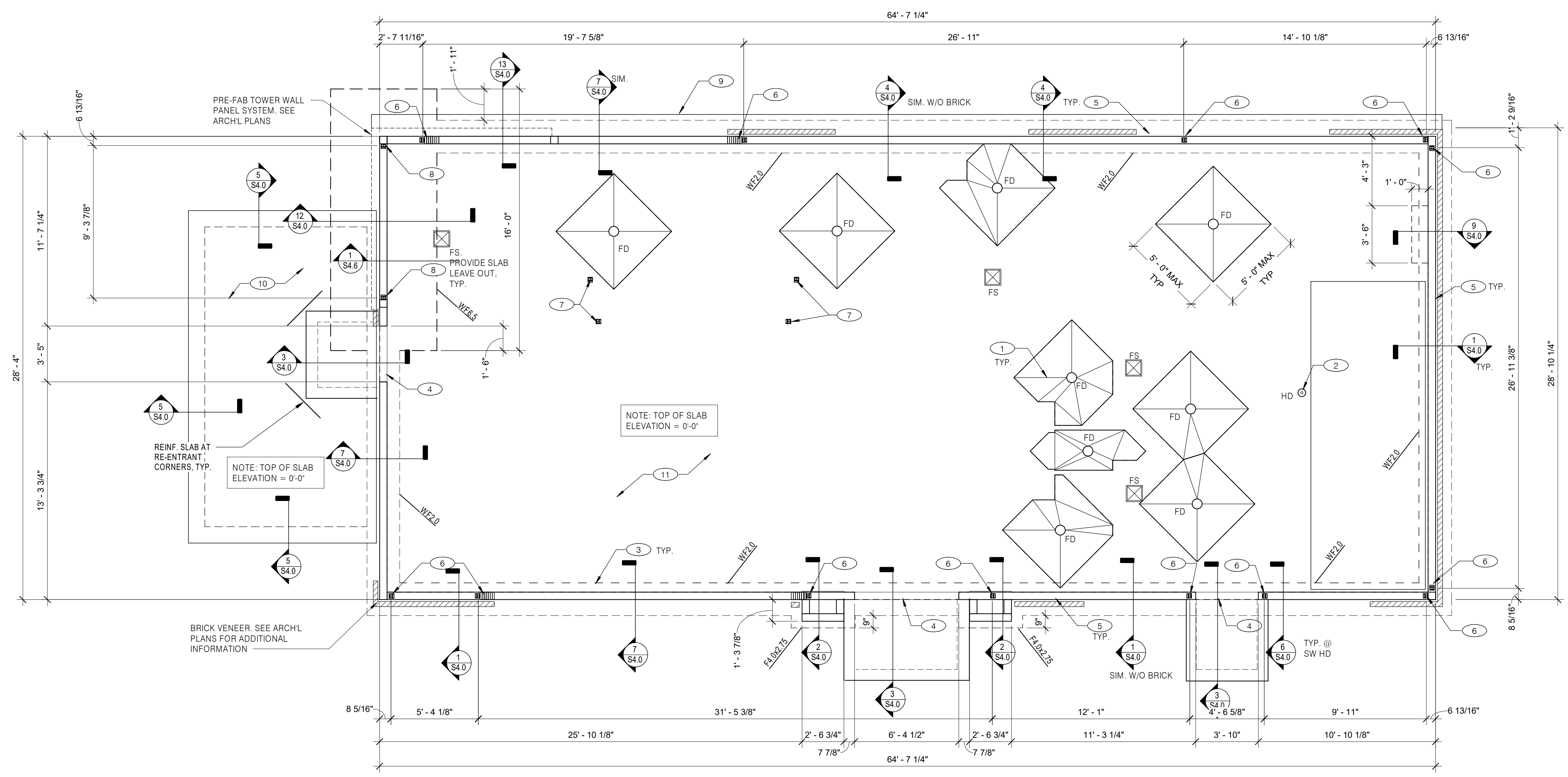
FOUNDATION PLAN

S1.0

PLOT DATE: 8/21/2019 3:00:03 PM



GPD GROUP
Professional Corporation
520 SOUTH MAIN STREET, SUITE 2531
AKRON, OH 44311
330.572.2100 FAX: 330.572.2101



FOUNDATION PLAN - ALT. BID - PRE-FAB TOWER 1/4" = 1'-0" **A**

08.21.19	Issued for Construction

CONTRACT DATE:
BUILDING GROUP: GROUND-UP
FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

Taco Bell
7931 Lapeer Rd Davison,
MI 48423



T40
FOUNDATION PLAN - ALTERNATE BID

S1.1

PLOT DATE: 8/21/2019 3:00:06 PM

DESIGN CRITERIA:	SEISMIC LOADS:
2015 MICHIGAN BUILDING CODE	RISK CATEGORY: II
2015 INTERNATIONAL BUILDING CODE	SEISMIC IMPORTANCE FACTOR: 1.0
	SITE CLASS: D
ROOF SNOW LOADS:	MAPPED SPECTRAL RESPONSE ACCEL:
GROUND SNOW LOAD (Pg): 30 PSF	Ss: 0.095
EXPOSURE FACTOR (Ce): 1.0	S1: 0.047
IMPORTANCE FACTOR (I): 1.0	
THERMAL FACTOR (Ct): 1.0	SPECTRAL RESPONSE COEFF.: 0.100
FLAT ROOF SNOW LOAD (Pf): 21 PSF	SHORT PERIODS (SDS): 0.075
	1 SEC. PERIODS (SD1): B
ROOF LOADS:	SEISMIC DESIGN CATEGORY: B
LIVE LOAD: 20 PSF	
DEAD LOAD: 20 PSF	WOOD SHEAR WALLS
	RESPONSE MOD. FACTOR (R): 6.5
WIND LOADS:	DESIGN BASE SHEAR (V): 0.0154W
RISK CATEGORY: II	ANALYSIS BY SIMPLIFIED PROCEDURE
3 SECOND GUST (ULTIMATE): 115 MPH	
IMPORTANCE FACTOR: 1.0	
EXPOSURE CATEGORY (MWFRS): B	
INTERNAL PRESSURE COEFF.: +/- 0.18	

DESIGN CRITERIA **E**

- FOUNDATION**
- FOUNDATION DESIGN IS BASED UPON THE GEOTECHNICAL ENGINEERING REPORT BY CARDNO DATED MAY 8, 2015. PROJECT NO. N242701501.
 - CONTRACTOR TO PROVIDE FOUNDATION & FOOTING AS REQUIRED FOR PYLON OR MONUMENTAL SIGN. SEE ELECTRICAL DRAWINGS FOR DETAIL.
 - COORDINATE STRUCTURAL PLANS AND DETAILS WITH REQUIREMENTS OF GEOTECHNICAL REPORT. FOUNDATION DESIGN IS BASED ON 2,000 PSF ALLOWABLE BEARING CAPACITY AFTER REMOVAL AND REPLACEMENT OF NATIVE SOILS WITH ORGANICS PER THE GEOTECHNICAL REPORT.
 - CONTRACTOR SHALL TREAT SOIL BELOW SLAB FOR TERMITES.
 - REFER TO THE GEOTECHNICAL REPORT FOR GENERAL REQUIREMENTS OF EARTHWORK, OVEREXCAVATION, SUBGRADE PREPARATION, FILL AND COMPACTION, WATERPROOFING AND OTHER PERTINENT REQUIREMENTS AND INFORMATION.
 - PROTECT PIPES AND CONDUITS RUNNING THROUGH WALLS AND SLABS WITH 1/2 INCH EXPANSION MATERIAL. LOWER CONTINUOUS FOOTINGS PERPENDICULAR TO PIPE RUNS TO ALLOW PIPES TO PASS ABOVE THE FOOTINGS OR THROUGH THE GRADE BEAMS. ALTERNATIVELY, PROVIDE A CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW THE FOOTINGS. LOWER FOOTINGS AND GRADE BEAMS PARALLEL TO PIPE RUNS TO AVOID SURCHARGE ONTO ADJACENT TRENCH EXCAVATIONS.
 - MAINTAIN SUBGRADE AND FILL MOISTURE CONTENT UNTIL FOUNDATIONS ARE PLACED.
 - ARRANGE FOR OWNER'S INDEPENDENT TESTING AGENCY TO MONITOR CUT AND FILL OPERATIONS AND PERFORM FIELD DENSITY AND MOISTURE CONTENT TESTS TO VERIFY COMPACTION AND APPROVE FOOTING SUBGRADES PRIOR TO PLACING CONCRETE.
 - DO NOT PLACE FOOTINGS OR SLABS AGAINST SUBGRADE CONTAINING FREE WATER, FROST, OR ICE.
 - MAINTAIN PROPER SITE DRAINAGE DURING CONSTRUCTION TO ENSURE SURFACE RUNOFF AWAY FROM STRUCTURES AND TO PREVENT PONDING OF SURFACE RUNOFF NEAR THE STRUCTURES.

FOUNDATION PLAN NOTES **D**

CONCRETE:

A. CONCRETE SHALL BE HARD ROCK CONCRETE (6 SACK CEMENT PER CU.YD. MIN.) AND MEET THE FOLLOWING MIN. ULTIMATE COMPRESSIVE STRENGTHS AT 28 DAYS:

LOCATION	MIN. STRENGTH	AGGREGATE	SLUMP	TOLERANCE
SLAB ON GRADE (4000 DESIGN)	28 DAYS PSI	1 1/2" #4	3-12"	+12"
FOUNDATIONS (4000 DESIGN)		1 1/2" #4	3-12"	+12"

B. CONCRETE MIX DESIGN AND TESTING SHALL MEET WITH THESE SPECS. CEMENT SHALL BE IN ACCORDANCE WITH ASTM C 150 TYPE II. VERIFY MIN. CONCRETE STRENGTH AND CEMENT TYPE.

C. REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.

D. CONCRETE CURING SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF ACI-318-14 AND STANDARD PRACTICE FOR CURING CONCRETE REPORTED BY COMMITTEE 308.

E. ANCHOR BOLTS - A36 OR A307, USE 3/8" DIAMETER x 12" LONG HEX HEADED ANCHOR BOLTS (A.B.) AT 48" O.C. U.O.N. ANCHOR BOLTS SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE.

F. ALL WWF SHALL CONFORM TO ASTM 1064.

SLAB:

A. DESIGN IS BASED UPON 4" THICK CONCRETE SLAB REINFORCED W/ WWF 6x6-W1.4x1.4 W.W.F. (ASTM A1064) CENTERED IN SLAB OVER 10 MIL VISQUEEN MEMBRANE, OVER 4" AGGREGATE BASE, OVER ENGINEERED SUBGRADE.

B. PROVIDE CONTROL JOINTS AS FOLLOWS: 18"x T4 DEEP SAWCUTS @ 12'-0" O.C. SQ. MAX. w/ AN ASPECT RATIO OF NO MORE THAN 2:1.

MISCELLANEOUS:

A. DIMENSIONS NOTED ARE TO FACE OF CONCRETE. REFER TO DWG. A1.0 FOR DIMENSIONS TO FACE OF STUD AND OTHER DIMENSIONS NOT OTHERWISE NOTED.

B. DRAWINGS SHALL NOT BE SCALED. ALL DIMENSIONS AND FIT SHALL BE DETERMINED AND VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.

C. DETAILS NOT FULLY OR SPECIFICALLY SHOWN SHALL BE OF SAME NATURE AS OTHER SIMILAR CONDITIONS.

D. SEE PLUMB. DWGS. FOR PLUMB. LAYOUT DIMENSIONS, U.O.N.

E. SEE ELECT. DWGS. FOR ELECT. LAYOUT DIMENSIONS, U.O.N.

F. COORD. FOUNDATION AND SLAB LAYOUT WITH OTHER TRADES PRIOR TO POURING SLAB.

FOUNDATION PLAN NOTES **D**

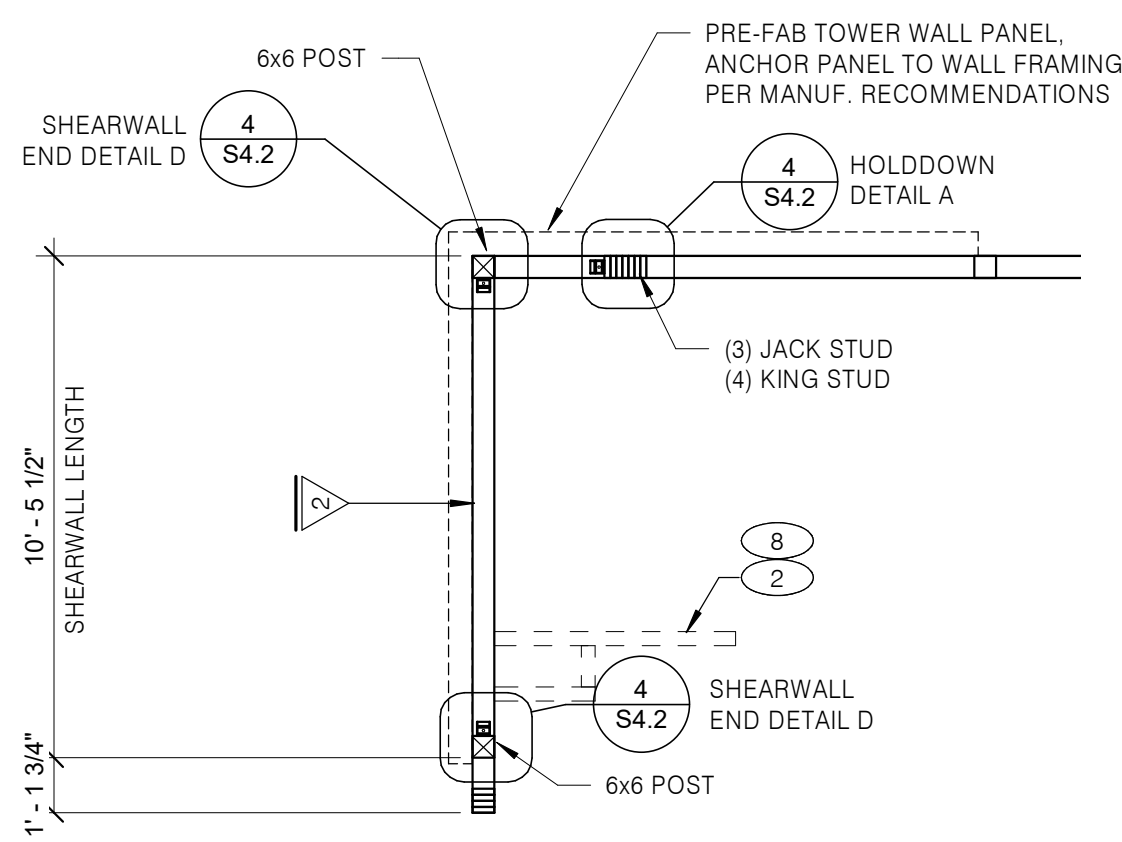
MARK	WIDTHxLENGTHxTHICKNESS	REINFORCING
WF2.0	2'-0"xCONT.x2'-10"	(3)#5 CONT. T.&B
WF6.5	6'-6"xCONT.x2'-10"	LONG: (10)#6 CONT. T.&B TRANS: #6 @ 12" O.C. T.&B
F4.0x2.75	4'-0"x2'-9"x2'-10"	LONG: (4)#5 CONT. T.&B TRANS: #5 @ 12" O.C. T.&B

NOTES:
1. "WFx" DENOTES WALL FOOTING.
2. "Fx" DENOTES COLUMN FOOTING.
3. MINIMUM FROST DEPTH OF FOOTING = 3'-6" BELOW FIN. GRADE.
4. TOP OF ALL FOOTINGS TO BE 8" BELOW TOP OF SLAB U.O.N.
5. LONGITUDINAL WALL FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH ALL COLUMN FOOTINGS.

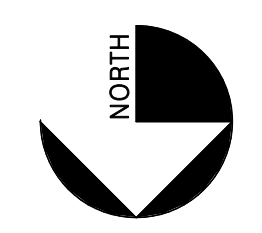
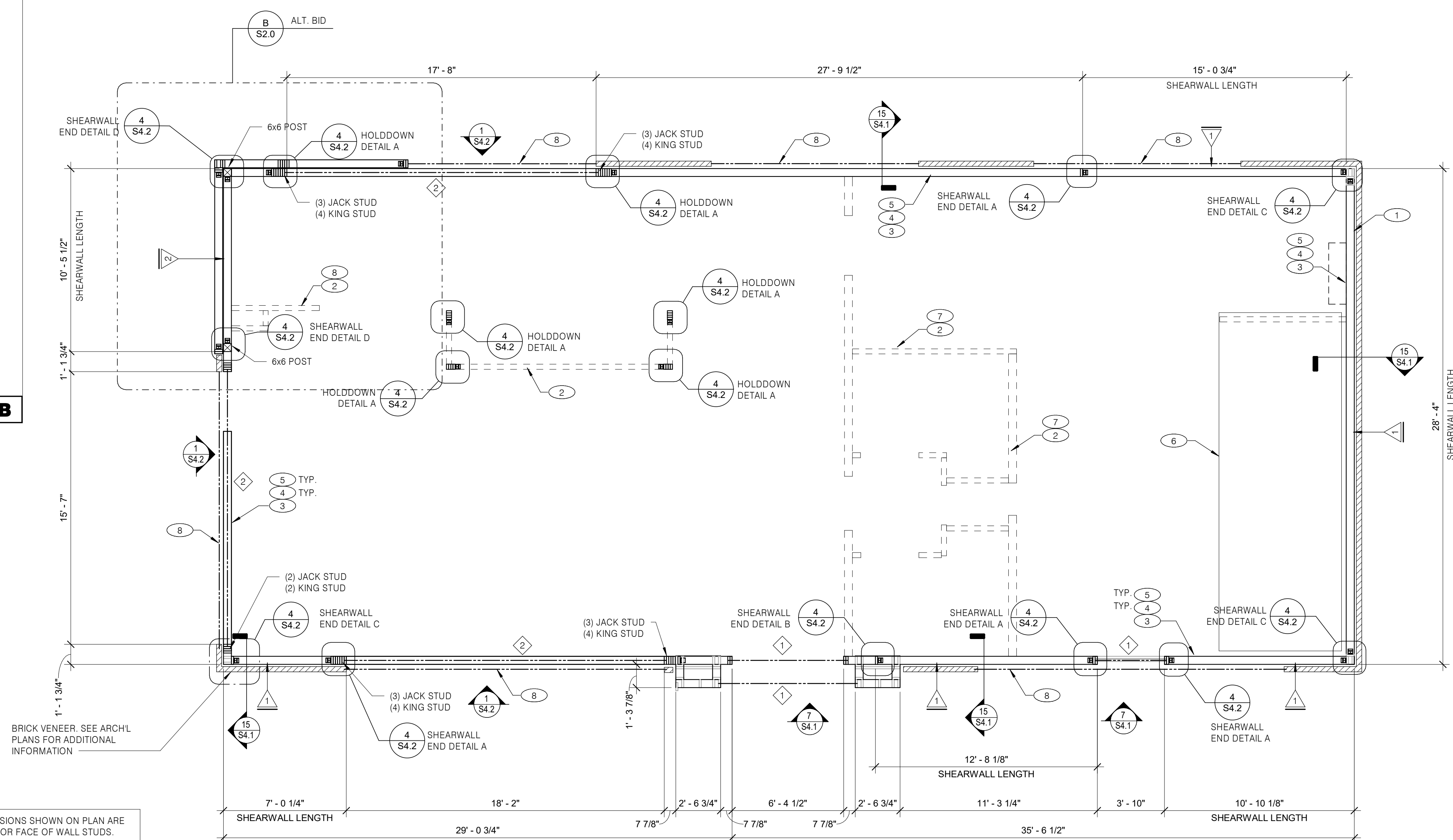
FOOTING SCHEUDLE **C**

- FLOOR DRAINS LOCATED 1/2" BELOW T.O. SLAB. SLOPE SLAB AS INDICATED ON PLAN TO PROVIDE POSITIVE DRAINAGE.
- PROVIDE HUB DRAIN (HD) UNLESS REQUIRED BY LOCAL CODE TO HAVE FLOOR SNK (FS).
- INDICATES INSIDE SURFACE OF FOOTING. SEE SHEET S4.0. REFER TO FOOTING SCHEDULE FOR ADDITIONAL INFORMATION.
- STOP FOUNDATION STEM WALL AT THRESHOLD. SEE 3/S4.0.
- ANCHOR BOLTS LOCATED THROUGHOUT PERIMETER OF BUILDING SHALL BE PROVIDED AS REQUIRED PER THE "PLATE/ANCHOR BOLT" COLUMN OF THE "WALL SHEATHING AND SHEARWALL SCHEDULE." SEE D/S2.0.
- HDU4 HOLDOWN ANCHOR AT EACH END OF SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.
- DTT2-SDS2.5 ANCHOR FOR SUPPORT OF HALF WALL.
- HD19 HOLDOWN ANCHOR AT EACH END OF INTERIOR SHEARWALL. SEE 6/S4.0 FOR HOLDOWN EMBEDMENT DETAIL.
- CONCRETE CURB ALONG EXTERIOR OF DRIVE THRU WALL PER CIVIL PLANS.
- 4" EXTERIOR CONCRETE SLAB REINFORCED W/ WWF6x6-W2.9xW2.9, OVER 4" AGGREGATE BASE OVER SUBGRADE. SEE SLAB NOTES THIS SHEET FOR ADDITIONAL INFORMATION. SEE CIVIL PLAN FOR EXTENT OF SLAB.
- 4" CONCRETE SLAB REINFORCED W/ WWF6x6-W1.4xW1.4 OVER MIN. 10 MIL POLYETHYLENE VAPOR RETARDER, OVER 4" AGGREGATE BASE OVER SUBGRADE.

KEY NOTES **B**



WALL FRAMING PLAN @ TOWER - ALT. BID 1/4" = 1'-0" **B**



MARK	BUILT-UP SECTION	MANUF. MEMBER
1	(3) 2x10	--
2	--	5 1/4x18 2.0E PSL

NOTES:
1. BUILT-UP HEADER SECTION SHALL HAVE 1/2" PLYWOOD SANDWICHED PIECES. REF 20/S4.1
2. PSL BEAMS TO HAVE FOLLOWING MIN. PROPERTIES:
Fb=2900 PSI
Fcp=750 PSI
Fy=290 PSI
E=2000 KSI

HEADER SCHEDULE **E**

SW	SHEATHING	EDGE	FIELD	PLATE / ANCHOR BOLT	REMARKS
1	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	5/8" DIA. F1554 @ 32" O.C. W/ WASHER	PLYWOOD ON EXTERIOR FACE OF STUDS
2	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 3" O.C.	10d @ 12" O.C.	5/8" DIA. F1554 @ 16" O.C. W/ WASHER	PLYWOOD ON BOTH SIDES OF WALL
***	1/2" CDX PLYWD (32/16), PS1 RATING	10d @ 6" O.C.	10d @ 12" O.C.	5/8" DIA. F1554 @ 48" O.C. W/ WASHER	NAILING @ HEADERS PER 12/S4.1

*** REQUIREMENTS FOR EXTERIOR NON-SHEARWALL WALLS
1. OSB OF COMPARABLE THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER AND THE LOCAL JURISDICTION OF COMPARABLE THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER AND THE LOCAL JURISDICTION.
2. BLOCK ALL UNSUPPORTED EDGES WITH 2x MATERIAL U.O.N. BLOCK EDGES WITH 3x MATERIAL WHERE 10d NAILING IS 3" O.C. OR LESS AND 8d NAILING IS 2" O.C. OR LESS ALL UNSUPPORTED EDGES WITH 2x MATERIAL U.O.N. BLOCK EDGES WITH 3x MATERIAL WHERE 10d NAILING IS 3" O.C. OR LESS AND 8d NAILING IS 2" O.C. OR LESS.
3. ALL PLYWOOD NAILS SHALL BE COMMON WIRE. SEE SPECIFICATIONS FOR OTHER NAIL REQUIREMENTS.
4. EXTERIOR WALLS NOT DESIGNATED AS SHEARWALLS IN THE WALL FRAMING PLAN SHALL MEET REQUIREMENTS INDICATED FOR NON-SHEARWALL WALLS IN THE SCHEDULE ABOVE EXTERIOR WALLS NOT DESIGNATED AS SHEARWALLS IN THE WALL FRAMING PLAN SHALL MEET REQUIREMENTS INDICATED FOR NON-SHEARWALL WALLS IN THE SCHEDULE ABOVE.
5. SHEARWALL LENGTHS WHERE NOTED ARE MINIMUM. DO NOT LOCATE HOLDDOWNS FROM THESE DIMENSIONS. SEE ARCH DWGS FOR ACTUAL WALL LENGTHS. SHEARWALL LENGTHS WHERE NOTED ARE MINIMUM. DO NOT LOCATE HOLDDOWNS FROM THESE DIMENSIONS. SEE ARCH DWGS FOR ACTUAL WALL LENGTHS.
6. HD REFERS TO SIMPSON STRONGTIE CO. HOLDDOWNS. INSTALL PER 6/S4.0. POST WIDTH SHALL MATCH STUD WALL WIDTH. SEE FOUNDATION PLAN FOR OTHER REQ'S.
7. EDGE NAIL WALL PLY TO STUDS OR POSTS WITH HOLD-DOWNS.
8. WHERE PANELS ARE APPLIED TO BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6" O.C. ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO WALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3x OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED.
9. ALL WALL SILL PLATE ANCHORS RODS SHALL BE EMBEDDED A MINIMUM OF 8" BELOW TOP OF CONCRETE. SEE DETAIL 6/S4.0 FOR HOLDOWN ANCHOR RODS EMBEDDMENT REQUIREMENTS.

WALL SHEATHING AND SHEARWALL SCHEDULE **D**

WALL FRAMING:
A. EXTERIOR WALL NON-BEARING & BEARING STUDS SHALL BE NO. 2 SOUTHERN PINE OR DOUGLAS FIR. 6x6 POSTS TO BE NO. 2 SOUTHERN PINE. INTERIOR WALL STUDS MAY BE STUD GRADE.
B. ALL BEAMS AND JOISTS SHALL BE SEAT CUT FOR FULL UNIFORM BEARING AT SUPPORTS, BEAM SEATS AND COLUMN CAPS.
C. SEE SHEET A1.0 FOR DIMENSIONS.
D. EXTERIOR STUD WALLS ARE 2x6 AT 16" O.C. U.O.N.
E. ALL WOOD IN CONTACT WITH CONC., STEEL OR GRADE SHALL BE PRESSURE TREATED.
F. ALL BOLTED OR NAILED STRAP CONNECTIONS SHALL HAVE AN EQUAL NUMBER OF BOLTS OR NAILS EACH SIDE OF THE SPLICE JOINT. THE FIRST BOLT OR NAIL FROM EACH SIDE OF THE SPLICED OR TREATED MEMBER SHALL BE EQUAL DISTANCE FROM THE SPLICE. STRAPS USING 16d NAILS ON 2x MATERIAL SHALL BE INSTALLED ON THE 1-1/2" EDGE OF THE MEMBER.
G. THE CONTRACTOR SHALL VERIFY THAT THE MOISTURE CONTENT OF ALL FRAMING LUMBER AND PLYWOOD MEET THE REQUIREMENTS OF THE SPECS. AT THE TIME OF INSTALLATION AND AT CLOSE-IN.
H. USE AT PRESSURE TREATED LUMBER AT WINDOW JAMBS, SILL AND STUDS UNDER SILL AS WELL AS ALL TOILET PLUMBING WALLS.

STUD LAYOUT:
A. LAYOUT STUDS ON SIDEWALLS (LONG WALLS) STARTING AT REAR OF BUILDING TOWARDS FRONT.
B. LAYOUT STUDS ON ENDWALLS (SHORT WALLS) STARTING AT EACH END AND WORKING TOWARDS CENTER.

FRAMING PLAN NOTES **C**

- 1 COORDINATE WITH ELECTRICAL POWER PLAN SHEET E3.0.
- 2 INTERIOR NON-BEARING STUD WALL FRAMING: REFER TO SHEET A1.0 FOR DIMENSIONS AND STUD SIZES. SEE DETAIL 10 & 11/S4.1 AND WALL FRAMING NOTES.
- 3 (2) 2x6 TOP PLATES - SPLICE PER 12/S4.1. U.O.N. REF. 1/S4.3 FOR PARAPET CAP DETAIL.
- 4 TOP OF TRUSS BEARING PLATE. SEE DETAIL 1 & 2/S4.1.
- 5 TOP OF PARAPET. SEE DETAIL 1/S4.3.
- 6 FREEZER/COOLER BY MANUFACTURER.
- 7 COORDINATE WITH PLUMBING ROUGH IN SHEET P4.0.
- 8 L6x4x3/8 (LLV) GALV. STEEL ANGLE BRICK LEDGER. ANCHOR TO FRAMING PER 5/S4.3.
- 9 2x6 STUD @ 16" O.C. FURRING AT TOWER. SEE DETAIL 1 & 3 ON SHEET S4.4 FOR ADDITIONAL INFORMATION.

KEY NOTES **B**

NO.	DATE	DESCRIPTION
08.21.19	Issued for Construction	

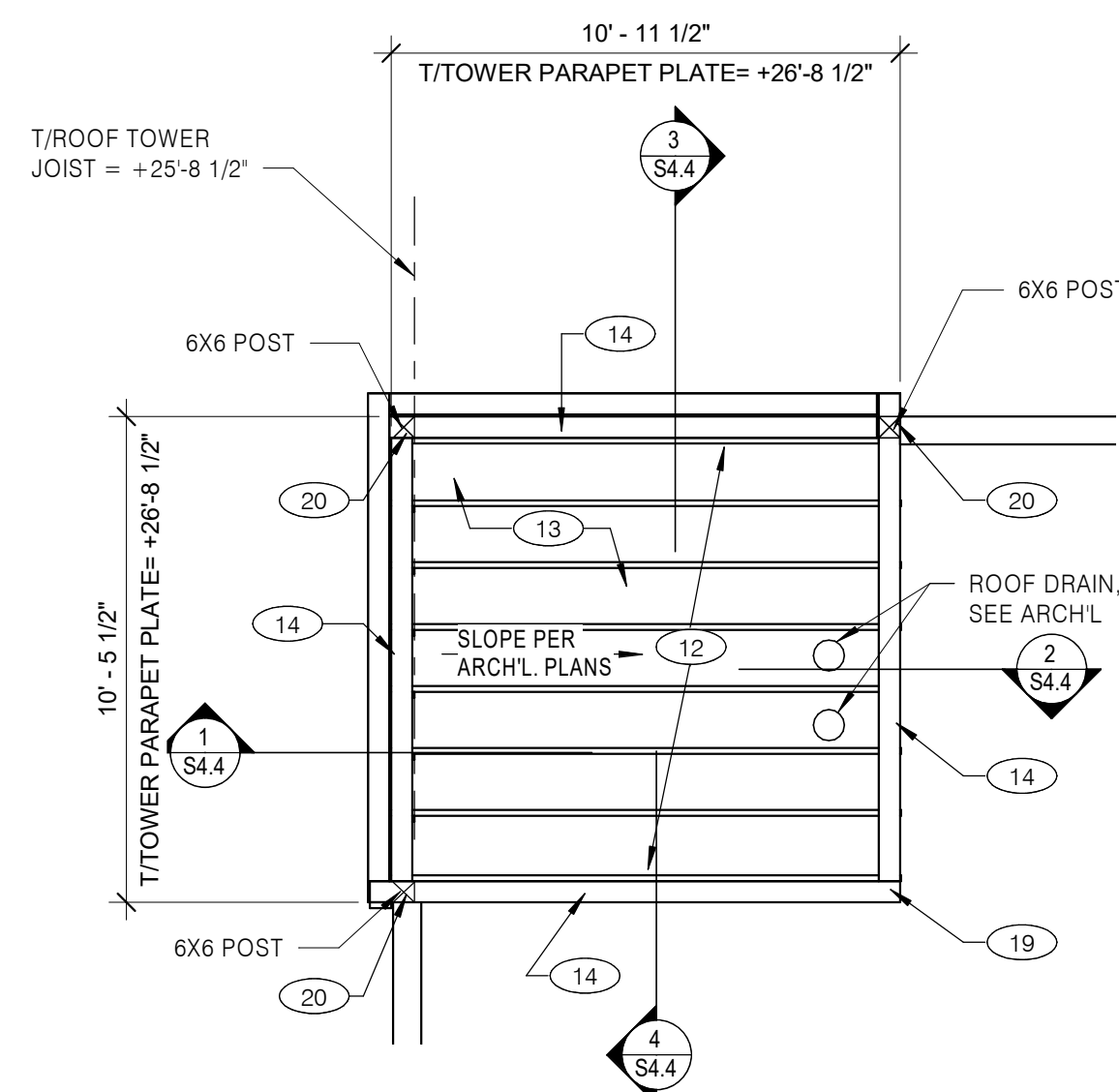
CONTRACT DATE:
BUILDING GROUP: GROUND-UP
FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

Taco Bell
7931 Lapeer Rd Davison,
MI 48423

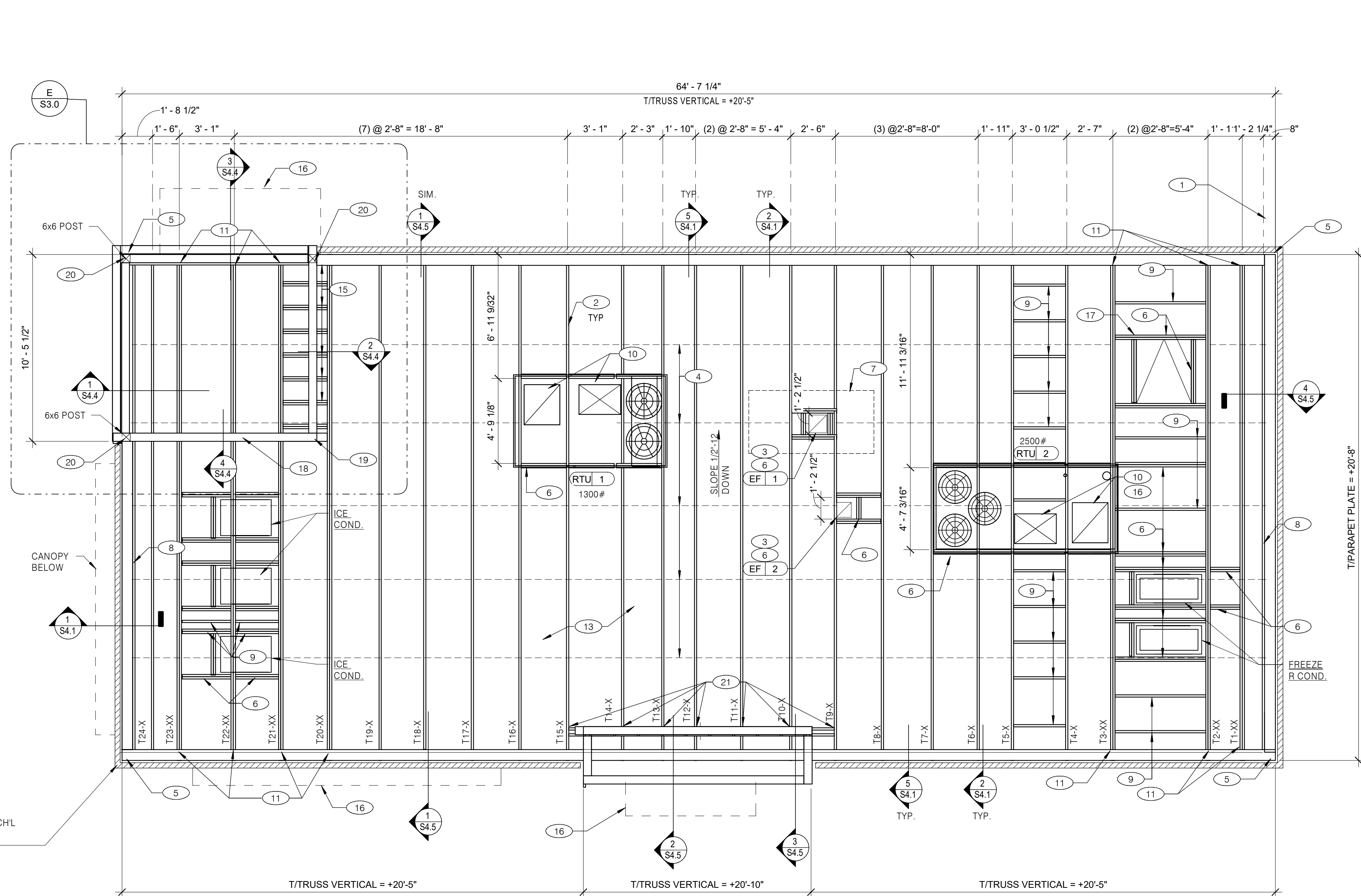


WALL FRAMING PLAN

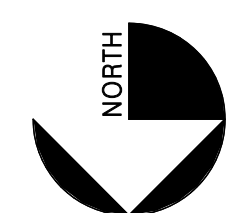
S2.0



TOWER ROOF FRAMING PLAN 1/4" = 1'-0" **E**



ROOF FRAMING PLAN 1/4" = 1'-0" **A**



TYPE	NAILING / SHEATHING	REMARKS
BN	10d @ 6" O.C.	
EN	10d @ 6" O.C.	
FN	10d @ 12" O.C.	
ROOF SHEATHING	19/32" CDX PLYWOOD (40/20), PS1 RATING	

NOTE:
SEE 8/S4.2 FOR DEFINITIONS.

NAILING SCHEDULE - ROOF **D**

ROOF FRAMING NOTES:

- A. ALL UNSUPPORTED EDGES OF PLYWOOD SHEATHING SHALL BE SUPPORTED WITH SIMPSON PSL CLIPS. PROVIDE (2) CLIPS EQUALLY SPACED BETWEEN EACH TRUSS/SUPPORT. SEE DETAIL 9/S4.2. OSB OF COMPARABLE THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER AND THE LOCAL JURISDICTION.
- B. ALL MECHANICAL SUPPLY AND RETURN OPENINGS SHALL BE BETWEEN FRAMING U.O.N.
- C. TRUSS DWGS ARE PROVIDED FOR CONCEPTUAL DESIGN ONLY. MFR SHALL SUBMIT SHOP DWGS AND CALCS, BOTH SIGNED BY A LICENSED STRUCTURAL ENGINEER (STATE OF MICHIGAN). SUBMIT SHOP DWGS AND CALCS TO THE ARCHITECT AND ENGINEER FOR REVIEW AND SUBMITTAL AND, IF REQUIRED, TO BLDG. OFFICIAL FOR APPROVAL PRIOR TO FABRICATION. SHOP DWGS SHALL INCLUDE LAYOUT PLAN AND CONNECTORS. CALCS SHALL BE BASED ON THE SPECIFIED LOADING CONDITIONS SHOWN HEREIN. MFR SHALL PROVIDE HANGERS AND CONNECTIONS BETWEEN TRUSSES. REVIEW AND APPROVE DIMENSIONS, SHAPES AND DETAILS SHOWN ON SHOP DWGS PRIOR TO SUBMITTAL TO THE ARCHITECT / ENGINEER FOR REVIEW AND COMMENT.
- D. TRUSS MFR SHALL PROVIDE HANGERS AND CONNECTORS ADEQUATE FOR LOADS. ROOF CONNECTORS ARE BASED UPON SIMPSON "STRONG TIE" OR APPROVED EQUAL.
- E. TRUSS CHORDS AND PARAPET VERTICALS SHALL BE 2x8 MIN AND CONSISTENTLY SIZED THROUGHOUT PROJECT.

ROOF FRAMING NOTES:

- F. REFER TO TRUSS ELEVATIONS FOR SHAPE, OVERHANG, SLOPES, SPAN, ETC. LOCATION OF BEARING POINTS ARE AS INDICATED ON THE DRAWINGS. SEE 3/S4.2.
- G. MFR'D ROOF TRUSS DESIGN LOADS: SEE TRUSS DESIGN CRITERIA 3/S4.2. **PROVIDE ADD'L POINT LOAD FROM KEYNOTE 19 & 21 THIS SHEET.**
- H. THE POSITIONS, WEIGHTS, AND METHODS OF ATTACHMENT OF ALL MECHANICAL UNITS, ELECT FIXTURES, PLUMBING, ETC. SHALL BE INCLUDED IN THE DESIGN OF THE TRUSSES BY THE TRUSS MFR.
- I. DESIGN ROOF TRUSSES TO SUPPORT ALL IMPOSED LOADS, INCLUDING WIND & LATERAL LOADS. COORDINATE SIZE, LOCATION AND WEIGHT OF EQUIPMENT WITH MECHANICAL WORK. PROVIDE MULTIPLE TRUSSES WHERE ONE TRUSS CANNOT SUPPORT THE LOAD. PROVIDE BRIDGING BETWEEN TRUSSES AS SPECIFIED AS MINIMUM STANDARD.
- J. INSTALLATION OF ALL TRUSSES SHALL BE DONE USING A SPREADER BAR WITH A THREE POINT VERTICAL PICK. CARE SHALL BE USED IN LIFTING TO PREVENT HORIZONTAL BENDING.
- K. IMPROPER HANDLING OF THE TRUSSES AS NOTED ABOVE AND IN THE SPECS SHALL MEAN REMOVAL OF THE TRUSSES FROM THE JOBSITE AND REPLACEMENT AT CONTRACTOR'S EXPENSE.
- L. REFERENCE MANUFACTURED TRUSS DRAWINGS FOR DETAILS ON TRUSS MANUFACTURING AND NAILING.

ROOF FRAMING NOTES **C**

- (1) STARTING POINT OF TRUSS LAYOUT - CENTERLINE OF TRUSS.
- (2) VERIFY NECESSITY OF DOUBLE TRUSSES WITH TRUSS MFR. DUE TO POINT LOADING AND ADDITIONAL UNIFORM LOADING, TYPICAL.
- (3) COORDINATE BLOCKING WITH EXHAUST AND SUPPLY DUCT.
- (4) CONT 2x4 WD BRIDGING ON TOP OF BOTTOM CHORD. ADJUST AS REQUIRED FOR DUCT PLENUMS. MAX SPACING AT 5'-0" O.C. OR TIGHTER SPACING AS REQUIRED BY TRUSS DESIGN. SEE 8 & 9/S4.1 FOR BRIDGING LAP DETAILS.
- (5) SIMPSON MSTA 24 AT CORNER DBL TOP PLATE. CENTER STRAP ON CORNER.
- (6) (2) 2x6 BLOCKING W/ U26-2 HANGERS. TYP. EDGES OF ALL ROOF TOP EQUIPMENT AND ALL ROOF OPENINGS - SEE DET. 6 & 10/S4.2.
- (7) LOCATION OF HOOD. SEE HOOD DRAWINGS FOR HOOD ATTACHMENT DETAIL 6/S4.1.
- (8) (2) 2x6 LEDGER REF. 1/S4.1.
- (9) 2x6 @ 12" O.C. BLOCKING W/ U26 EACH END.
- (10) HVAC ROOF OPENING FOR DUCT. VERIFY SIZE WITH HVAC MFR. & MECHANICAL DWGS.
- (11) (2) 2x6 BUILT-UP COLUMN AT TRUSS BEARING, TYP. @ GIRDER. TRUSS ONLY. REF. DETAIL 12/S4.2.

- (12) 2x6 ROOF JOIST @ 16" O.C. WITH MID-SPAN BLOCKING.
- (13) 19/32" PLYWOOD ROOF DECK. SEE NAILING SCHEDULE, THIS SHEET.
- (14) 2x6 @ 16" O.C. STUD TOWER WALL.
- (15) (2)-2x6 @ 24" O.C. BLOCKING BETWEEN ROOF TRUSS TOP CHORD PERPENDICULAR TO TOWER WALL. ATTACH EACH END OF BLOCK WITH SIMPSON U-26 EA. END.
- (16) CANOPY BY MANUFACTURER.
- (17) ROOF HATCH.
- (18) PROVIDE 6x6 BLOCKING AT CORNER AND ALONG TOWER WALL W/ U66 HANGERS, EA. END.
- (19) PROVIDE (3) 2x6 WALL STUDS AT TOWER WALL CORNER. PROVIDE DTT2Z TENSION TIES FROM BUILT-UP CORNER STUD TO BLOCKING WITH 1/2" DIA. ANCHOR. INSTALL PER MANUF. RECOMMENDATIONS. **DESIGN TRUSSES T-21XX AND T-20XX FOR ADD'L 0.9 KIP UPLIFT AND 0.9 KIP DOWN FORCE.**
- (20) PROVIDE 6x6 POST AT TOWER WALL CORNER. PROVIDE DTT2Z TENSION TIES ABOVE AND BELOW WALL PLATE TO 6x6 POSTS. ANCHOR TIES USING 1/2" DIA. ANCHOR. INSTALL PER MANUF. RECOMMENDATIONS. WHERE PSL BEAM OCCURS ANCHOR 6x6 POST TO BEAM USING INVERTED CC6X6 POST CAP.
- (21) PROVIDE (3) 2x6 BLOCKING BETWEEN TRUSSES BELOW TOWER WALL. **DESIGN TRUSSES SUPPORTING TOWER WALL FOR A 750 LBS UPLIFT & DOWNWARD WIND FORCE.**

KEY NOTES **B**

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08.21.19	Issued for Construction	

CONTRACT DATE:
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REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

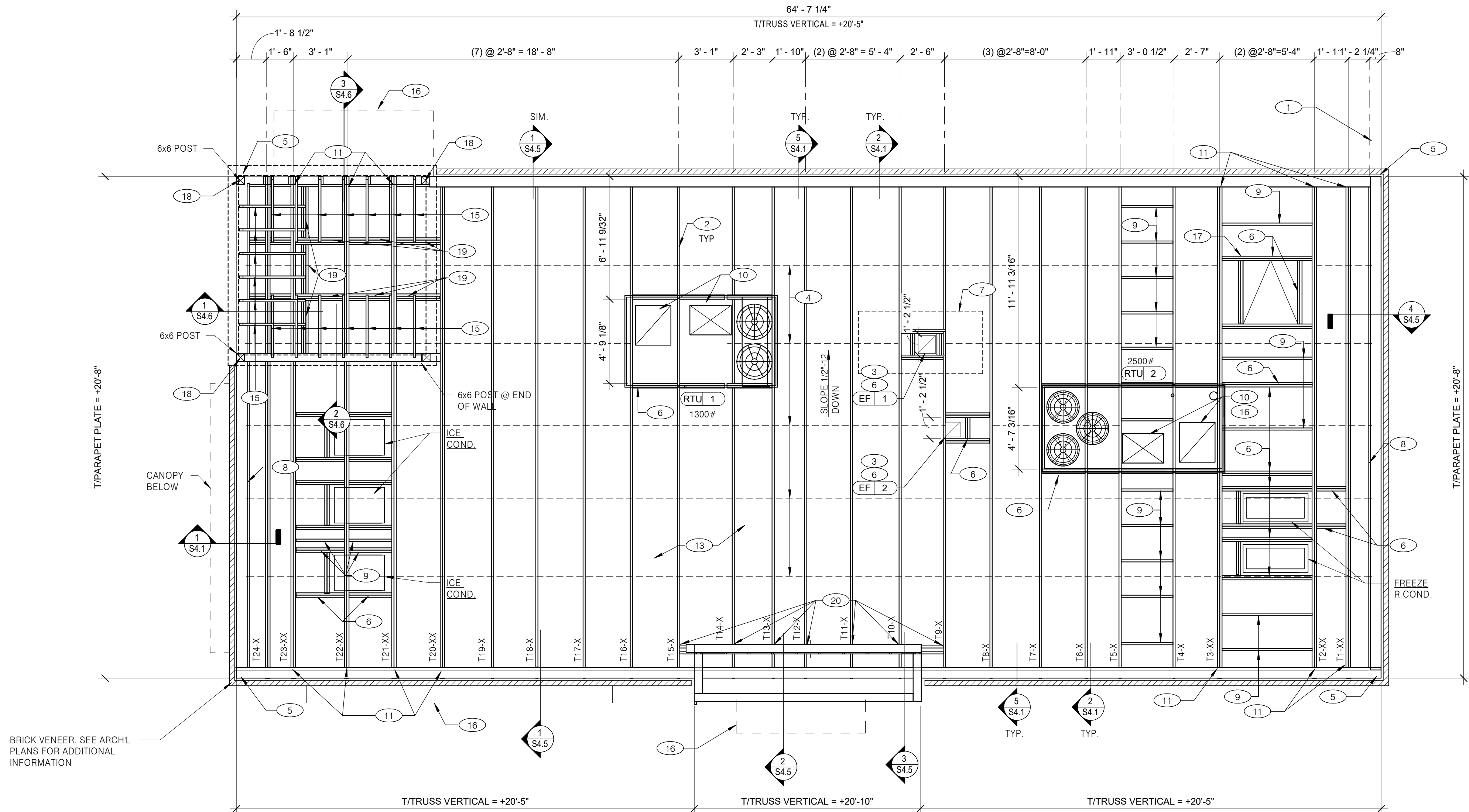
Taco Bell
7931 Lapeer Rd Davison,
MI 48423

T40

ROOF FRAMING PLAN

S3.0

PLOT DATE: 8/21/2019 3:00:14 PM



BRICK VENEER, SEE ARCHL PLANS FOR ADDITIONAL INFORMATION

ROOF FRAMING NOTES:

- A. ALL UNSUPPORTED EDGES OF PLYWOOD SHEATHING SHALL BE SUPPORTED WITH SIMPSON PSL CLIPS. PROVIDE (2) CLIPS EQUALLY SPACED BETWEEN EACH TRUSS/SUPPORT. SEE DETAIL 9/4.2. OSB OF COMPARABLE THICKNESS MAY BE USED IN LIEU OF PLYWOOD WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER AND THE LOCAL JURISDICTION.
- B. ALL MECHANICAL SUPPLY AND RETURN OPENINGS SHALL BE BETWEEN FRAMING U.O.N.
- MANUFACTURED ROOF TRUSS NOTES:**
- A. MFR'D ROOF TRUSSES ARE AT 2'-8" O.C. U.O.N.
- B. "T-" DENOTES ROOF TRUSS TYPE. REFER TO SCHEDULE 7/4.2.
- C. TRUSS DWGS ARE PROVIDED FOR CONCEPTUAL DESIGN ONLY. MFR SHALL SUBMIT SHOP DWGS AND CALCS, BOTH SIGNED BY A LICENSED STRUCTURAL ENGINEER (STATE OF MICHIGAN). SUBMIT SHOP DWGS AND CALCS TO THE ARCHITECT AND ENGINEER FOR REVIEW AND SUBMITTAL AND, IF REQUIRED, TO BLDG. OFFICIAL FOR APPROVAL PRIOR TO FABRICATION. SHOP DWGS SHALL INCLUDE LAYOUT PLAN AND CONNECTORS. CALCS SHALL BE BASED ON THE SPECIFIED LOADING CONDITIONS SHOWN HEREIN. MFR SHALL PROVIDE HANGERS AND CONNECTIONS BETWEEN TRUSSES. REVIEW AND APPROVE DIMENSIONS, SHAPES AND DETAILS SHOWN ON SHOP DWGS PRIOR TO SUBMITTAL TO THE ARCHITECT / ENGINEER FOR REVIEW AND COMMENT.
- D. TRUSS MFR SHALL PROVIDE HANGERS AND CONNECTORS ADEQUATE FOR LOADS. ROOF CONNECTORS ARE BASED UPON SIMPSON "STRONG TIE" OR APPROVED EQUAL.
- E. TRUSS CHORDS AND PARAPET VERTICALS SHALL BE 2x6 MIN AND CONSISTENTLY SIZED THROUGHOUT PROJECT.

- F. REFER TO TRUSS ELEVATIONS FOR SHAPE, OVERHANG, SLOPES, SPAN, ETC. LOCATION OF BEARING POINTS ARE AS INDICATED ON THE DRAWINGS. SEE 3/4.2.
- G. MFR'D ROOF TRUSS DESIGN LOADS: SEE TRUSS DESIGN CRITERIA 3/4.2. **PROVIDE ADD'L POINT LOAD FROM KEYNOTE 19 & 20 THIS SHEET.**
- H. THE POSITIONS, WEIGHTS, AND METHODS OF ATTACHMENT OF ALL MECHANICAL UNITS, ELECT FIXTURES, PLUMBING, ETC. SHALL BE INCLUDED IN THE DESIGN OF THE TRUSSES BY THE TRUSS MFR.
- I. DESIGN ROOF TRUSSES TO SUPPORT ALL IMPOSED LOADS, INCLUDING WIND & LATERAL LOADS. COORDINATE SIZE, LOCATION AND WEIGHT OF EQUIPMENT WITH MECHANICAL WORK. PROVIDE MULTIPLE TRUSSES WHERE ONE TRUSS CANNOT SUPPORT THE LOAD. PROVIDE BRIDGING BETWEEN TRUSSES AS SPECIFIED AS MINIMUM STANDARD.
- J. INSTALLATION OF ALL TRUSSES SHALL BE DONE USING A SPREADER BAR WITH A THREE POINT VERTICAL PICK. CARE SHALL BE USED IN LIFTING TO PREVENT HORIZONTAL BENDING.
- K. IMPROPER HANDLING OF THE TRUSSES AS NOTED ABOVE AND IN THE SPECS SHALL MEAN REMOVAL OF THE TRUSSES FROM THE JOBSITE AND REPLACEMENT AT CONTRACTOR'S EXPENSE.
- L. REFERENCE MANUFACTURED TRUSS DRAWINGS FOR DETAILS ON TRUSS MANUFACTURING AND NAILING.

- (1) STARTING POINT OF TRUSS LAYOUT - CENTERLINE OF TRUSS.
- (2) VERIFY NECESSITY OF DOUBLE TRUSSES WITH TRUSS MFR. DUE TO POINT LOADING AND ADDITIONAL UNIFORM LOADING, TYPICAL.
- (3) COORDINATE BLOCKING WITH EXHAUST AND SUPPLY DUCT.
- (4) CONT 2x4 WD BRIDGING ON TOP OF BOTTOM CHORD. ADJUST AS REQUIRED FOR DUCT PLENUMS. MAX SPACING AT 5'-0" O.C. OR TIGHTER SPACING AS REQUIRED BY TRUSS DESIGN. SEE 8 & 9/4.1 FOR BRIDGING LAP DETAILS.
- (5) SIMPSON MSTA 24 AT CORNER DBL TOP PLATE. CENTER STRAP ON CORNER.
- (6) (2) 2x6 BLOCKING W/ U26-2 HANGERS. TYP. EDGES OF ALL ROOF TOP EQUIPMENT AND ALL ROOF OPENINGS - SEE DET. 6 & 10/4.2.
- (7) LOCATION OF HOOD. SEE HOOD DRAWINGS FOR HOOD ATTACHMENT DETAIL 6/4.1.
- (8) (2) 2x6 LEDGER REF. 1/4.1.
- (9) 2x6 @ 12" O.C. BLOCKING W/ U26 EACH END.
- (10) HVAC ROOF OPENING FOR DUCT. VERIFY SIZE WITH HVAC MFR. & MECHANICAL DWGS.
- (11) (2) 2x6 BUILT-UP COLUMN AT TRUSS BEARING. TYP. @ GIRDER. TRUSS ONLY. REF. DETAIL 12/4.2.
- (12) 2x6 ROOF JOIST @ 16" O.C. WITH MID-SPAN BLOCKING.
- (13) 5/8" PLYWOOD ROOF DECK. SEE NAILING SCHEDULE, THIS SHEET.
- (14) 2x6 @ 16" O.C. STUD TOWER WALL.
- (15) 2x6 KICKERS @ 16" O.C. TO SUPPORT PARAPET STUDS.
- (16) CANOPY BY MANUFACTURER.
- (17) ROOF HATCH.
- (18) PROVIDE 6x6 POST AT TOWER WALL CORNER. PROVIDE DTT2Z TENSION TIES ABOVE AND BELOW WALL PLATE TO 6x6 POSTS. ANCHOR TIES USING 1/2" DIA. ANCHOR. INSTALL PER MANUF. RECOMMENDATIONS. WHERE PSL BEAM OCCURS ANCHOR 6x6 POST TO BEAM USING INVERTED CCO6X6 POST CAP.
- (19) PROVIDE (3) 2x6 BLOCKING BELOW PARAPET KICKERS. ATTACH BLOCKING TO FRAMING W/ LUS3-26 SIMPSON FACE MOUNT HANGER. **DESIGN TRUSSES FOR A 500 PLF UPLIFT & DOWNWARD LOAD WHERE BLOCKING SUPPORTS KICKERS.**
- (20) PROVIDE (3) 2x6 BLOCKING BETWEEN TRUSSES BELOW TOWER WALL. **DESIGN TRUSSES SUPPORTING TRUSSES FOR A 750 LBS UPLIFT & DOWNWARD WIND FORCE.**

TYPE	NAILING / SHEATHING	REMARKS
BN	10d @ 6" O.C.	
EN	10d @ 6" O.C.	
FN	10d @ 12" O.C.	
ROOF SHEATHING	19/32" CDX PLYWOOD (40/20), PS1 RATING	

NOTE:
SEE 8/4.2 FOR DEFINITIONS.

NAILING SCHEDULE - ROOF **D**

ROOF FRAMING NOTES **C**

ALTERNATE - ROOF FRAMING PLAN 1/4" = 1'-0" **A**

KEY NOTES **B**

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CONTRACT DATE:
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FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

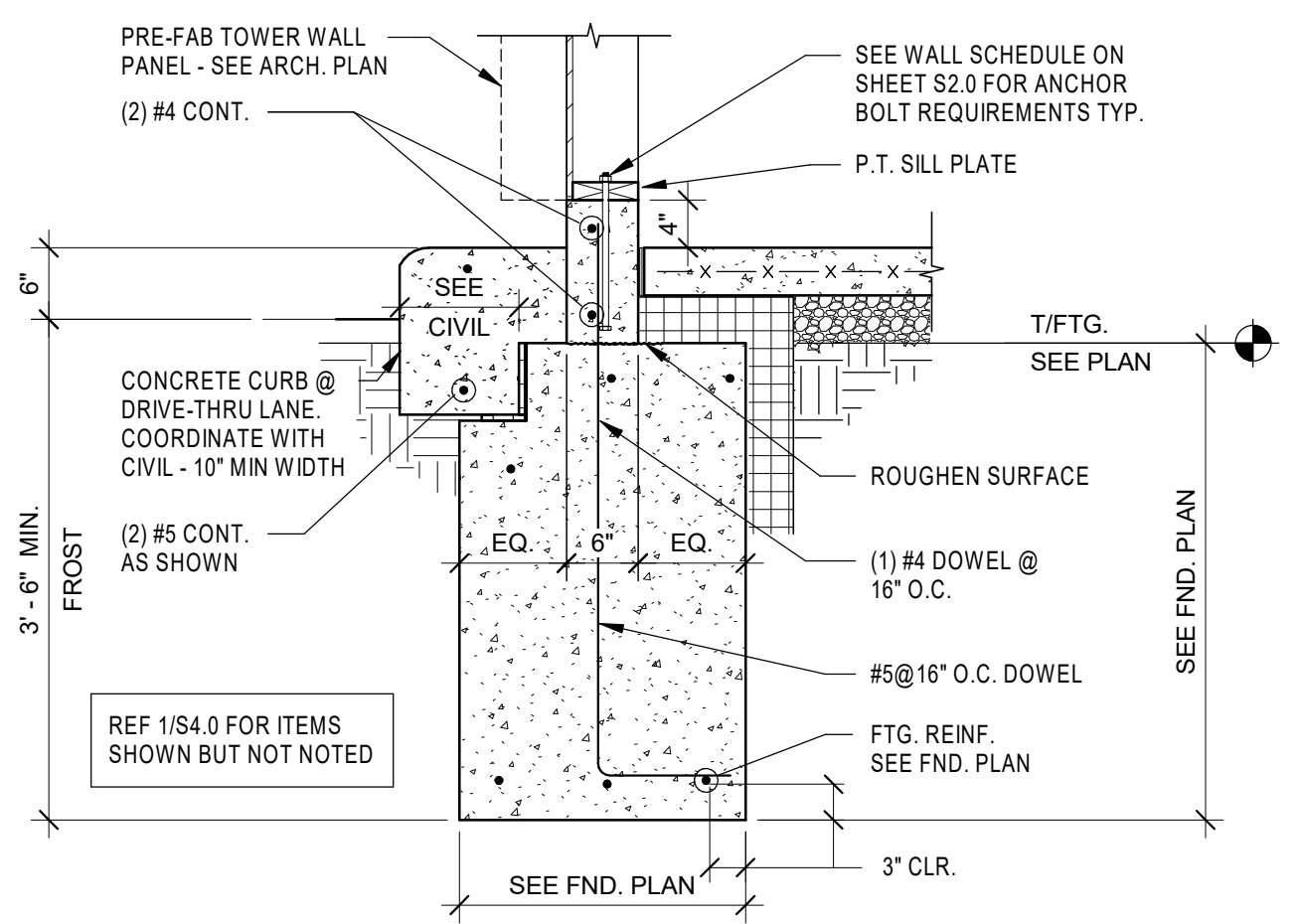
Taco Bell
7931 Lapeer Rd Davison,
MI 48423

T40

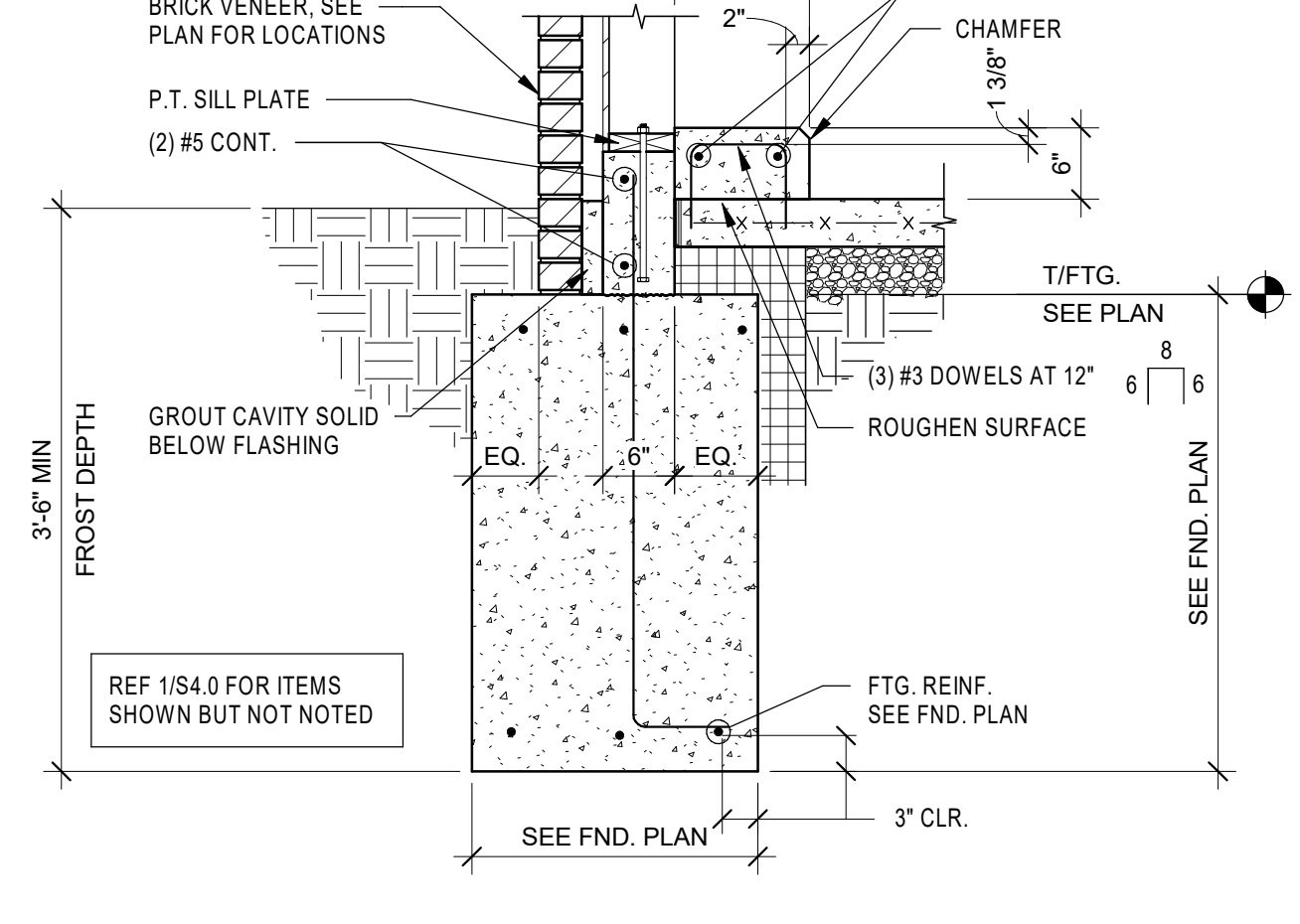
ROOF FRAMING PLAN - ALTERNATE BID

S3.1

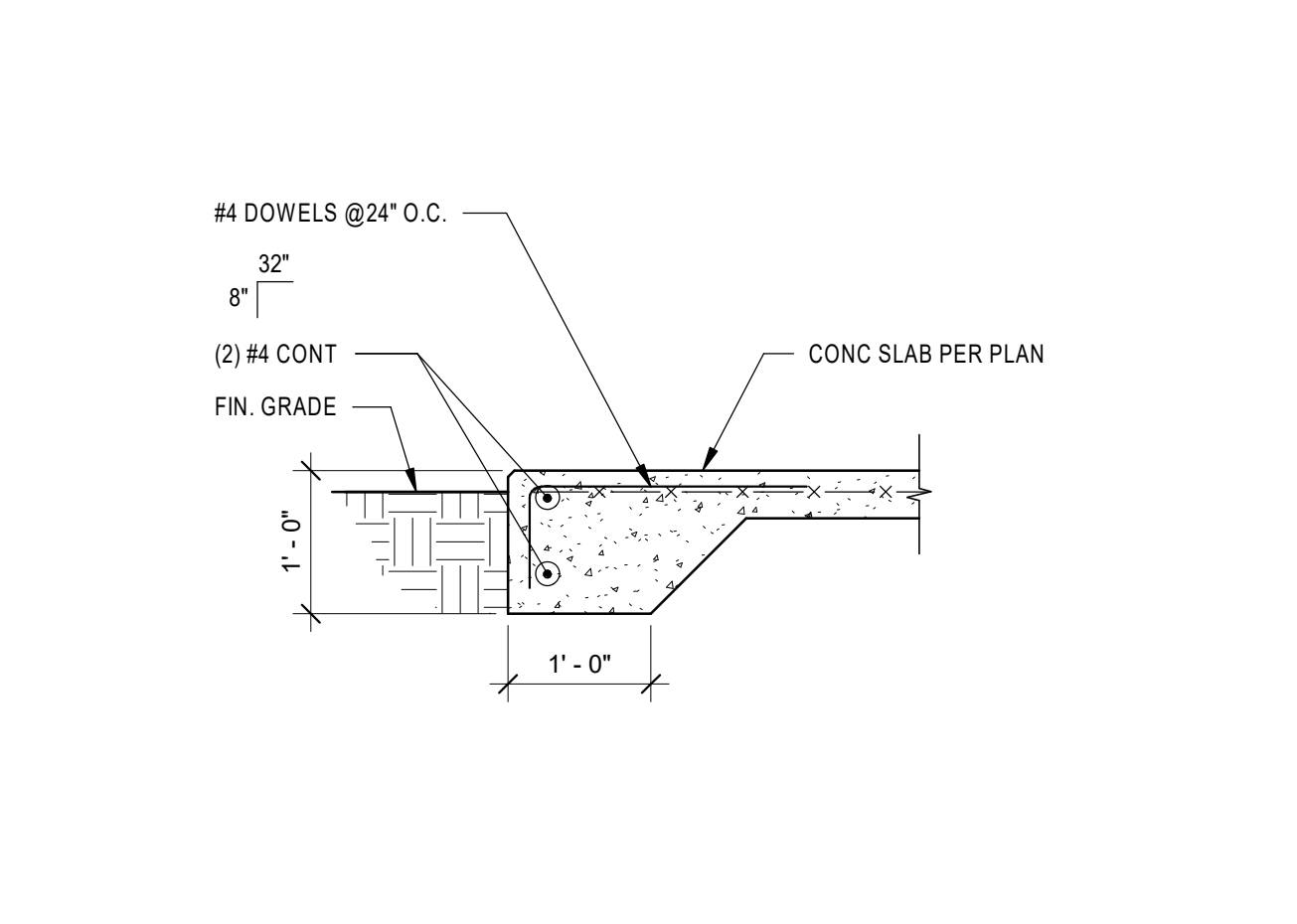
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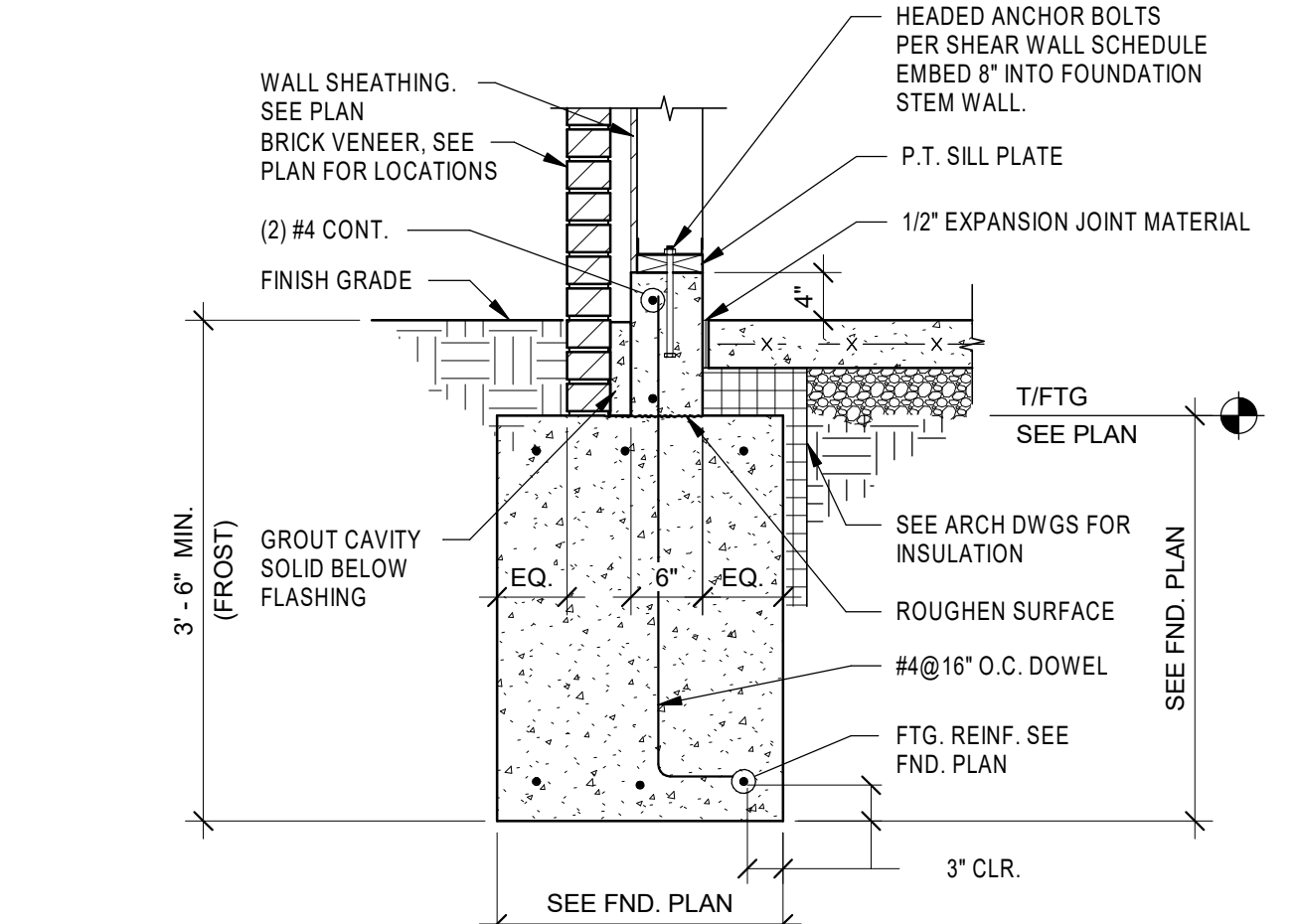
FOOTING AT DRIVE THRU - ALT. BID 3/4" = 1'-0" 13



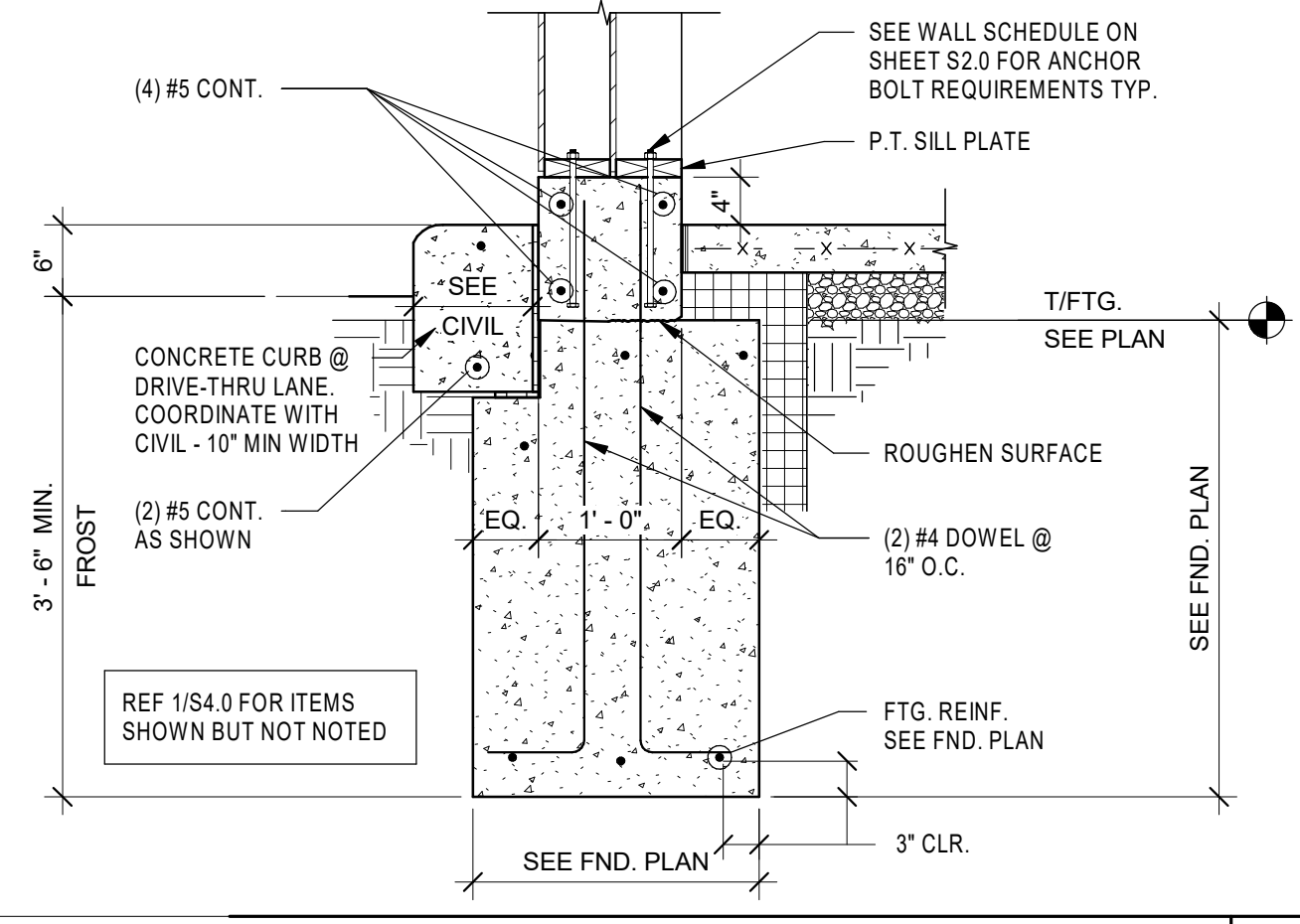
EQUIPMENT PEDESTAL SECTION 3/4" = 1'-0" 9



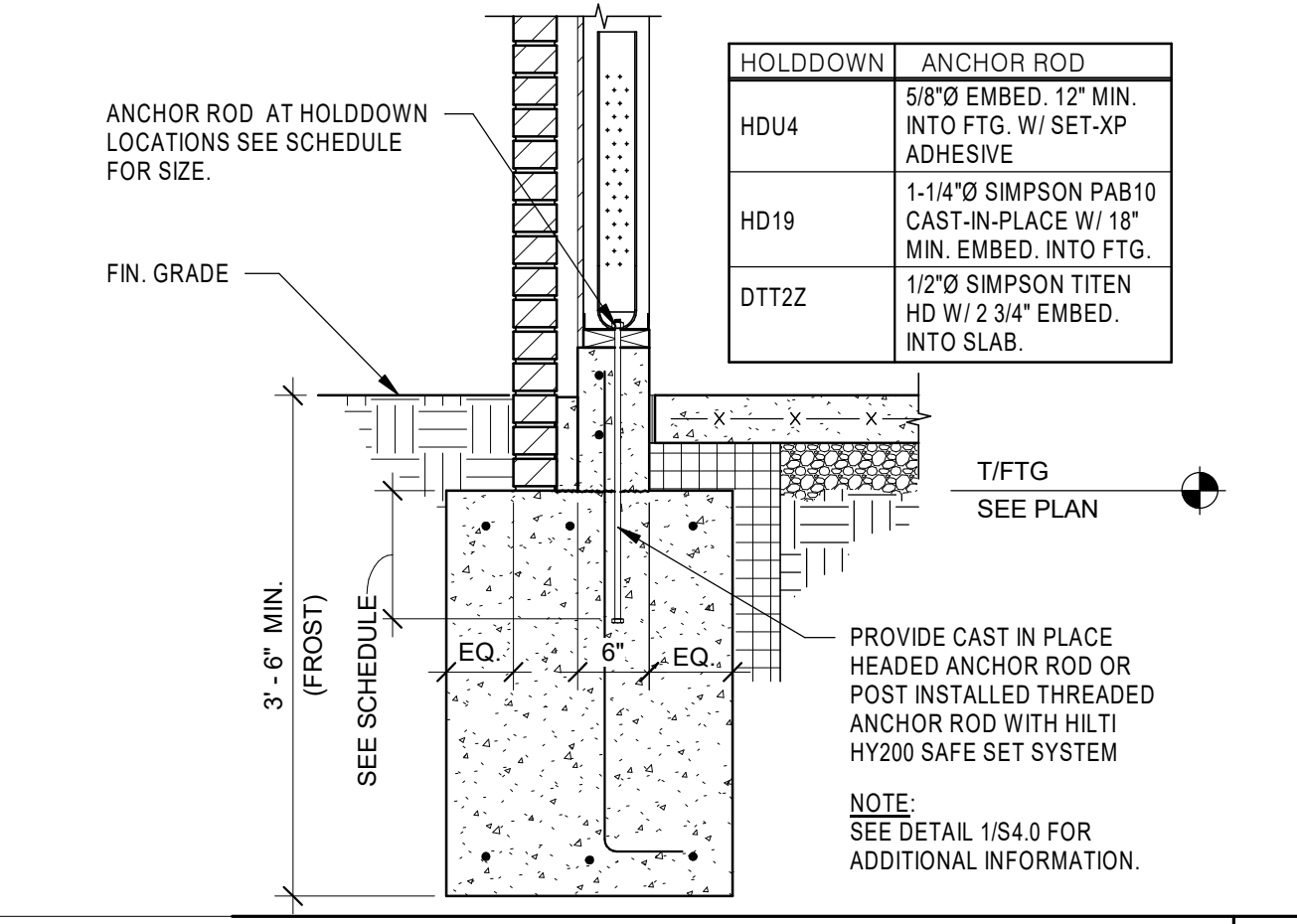
PATIO SLAB EDGE DETAIL 3/4" = 1'-0" 5



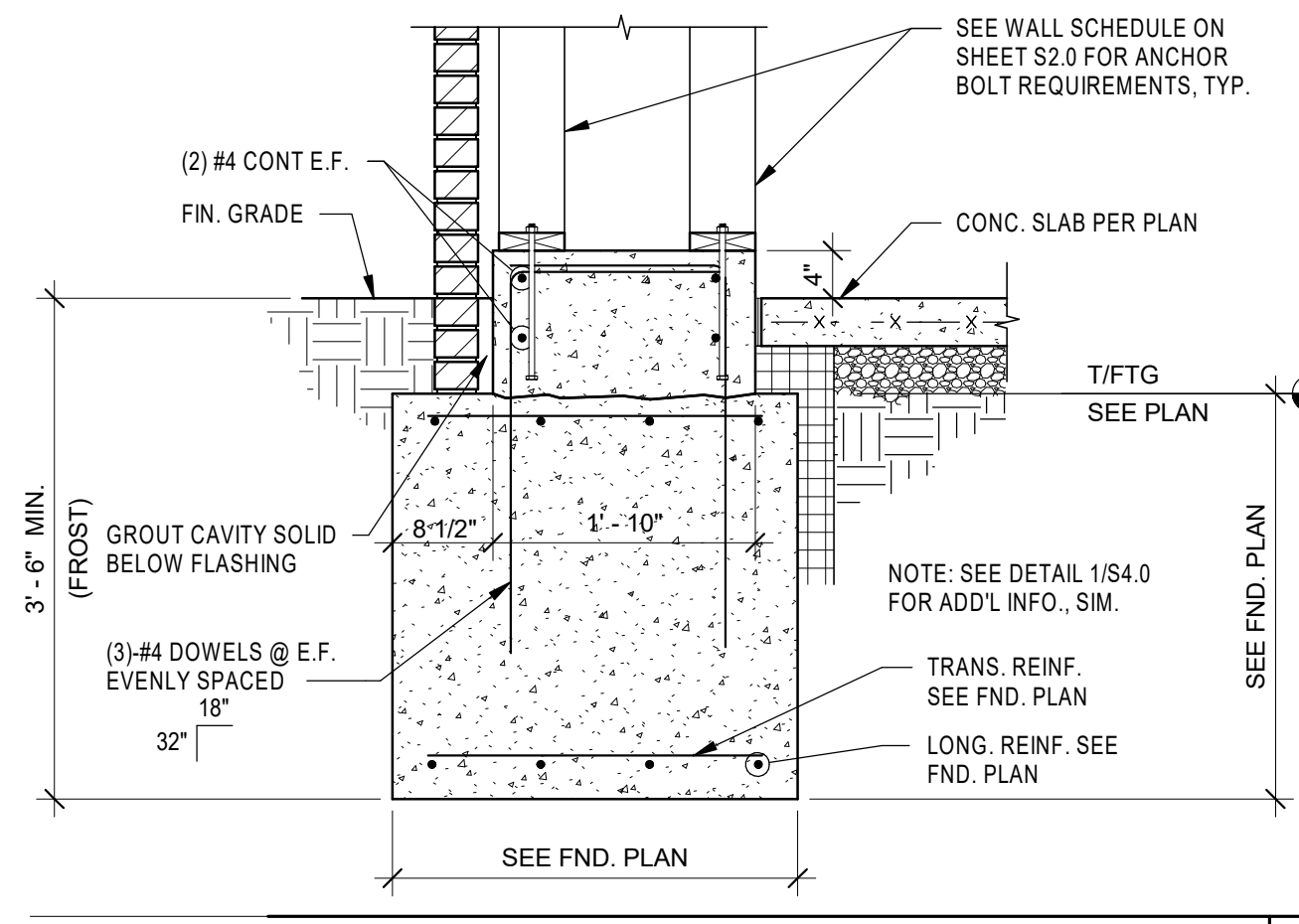
FOOTING AT SIDE AND REAR WALLS 3/4" = 1'-0" 1



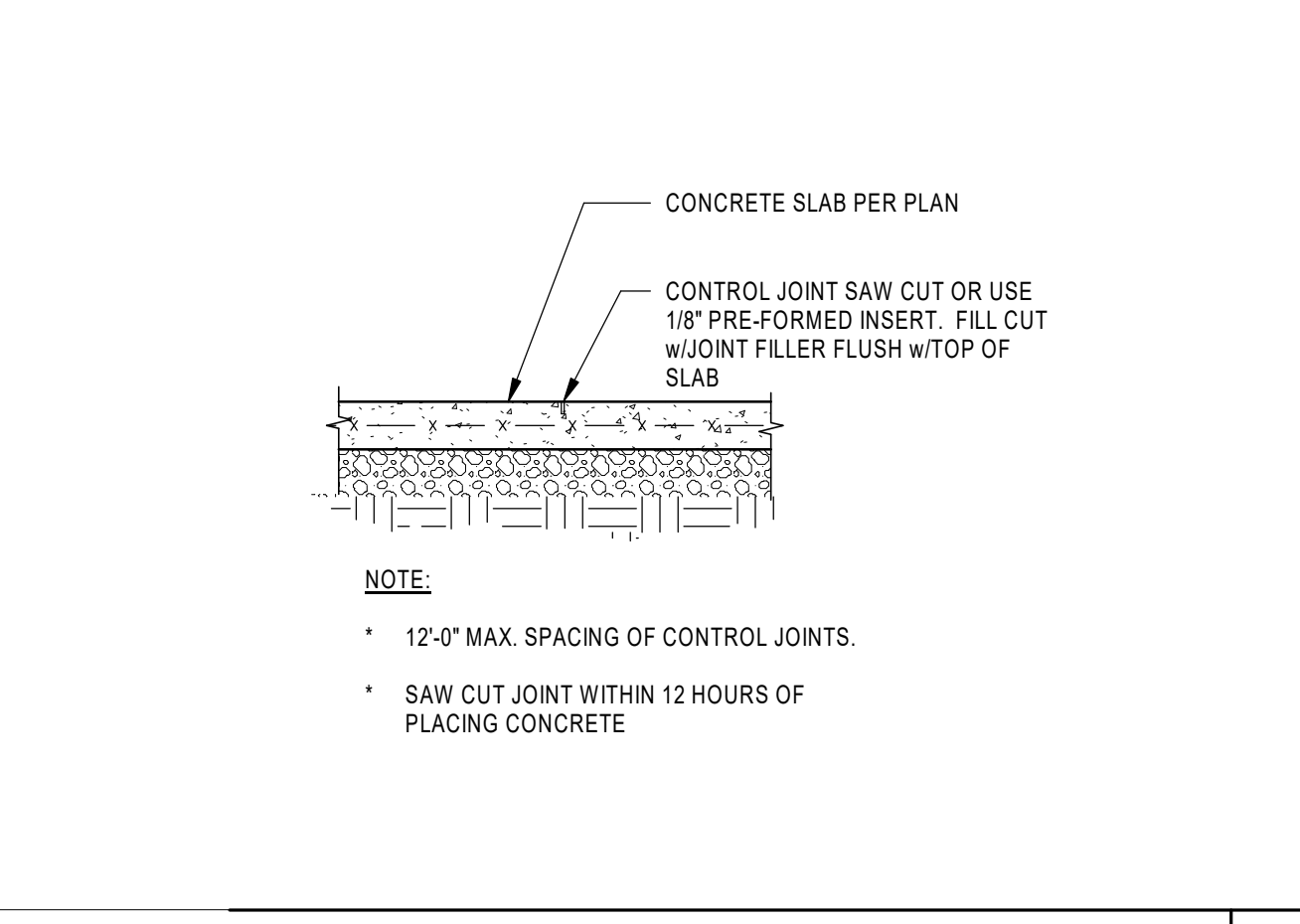
FOOTING AT DRIVE THRU 3/4" = 1'-0" 10



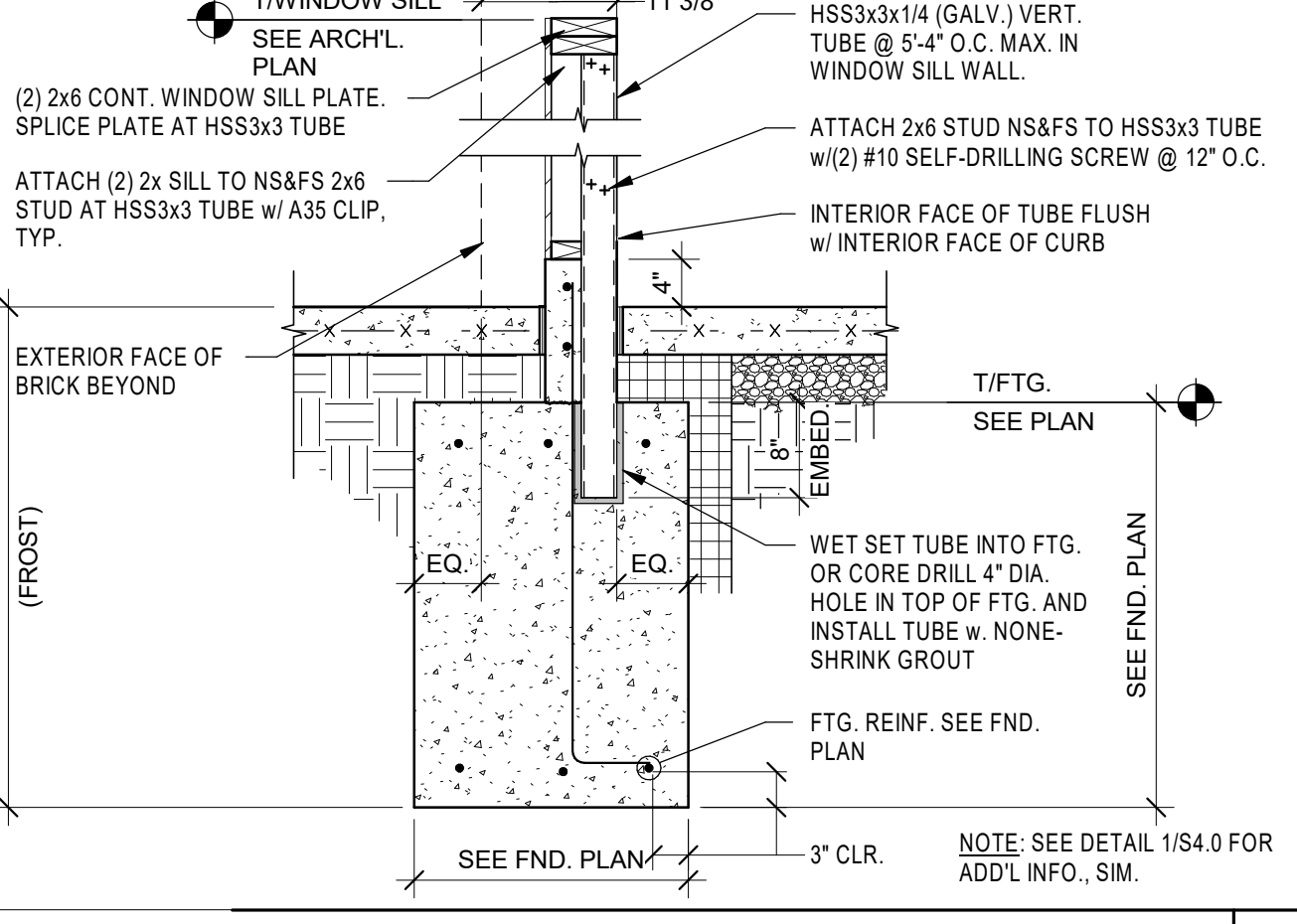
HOLDDOWN DETAIL 3/4" = 1'-0" 6



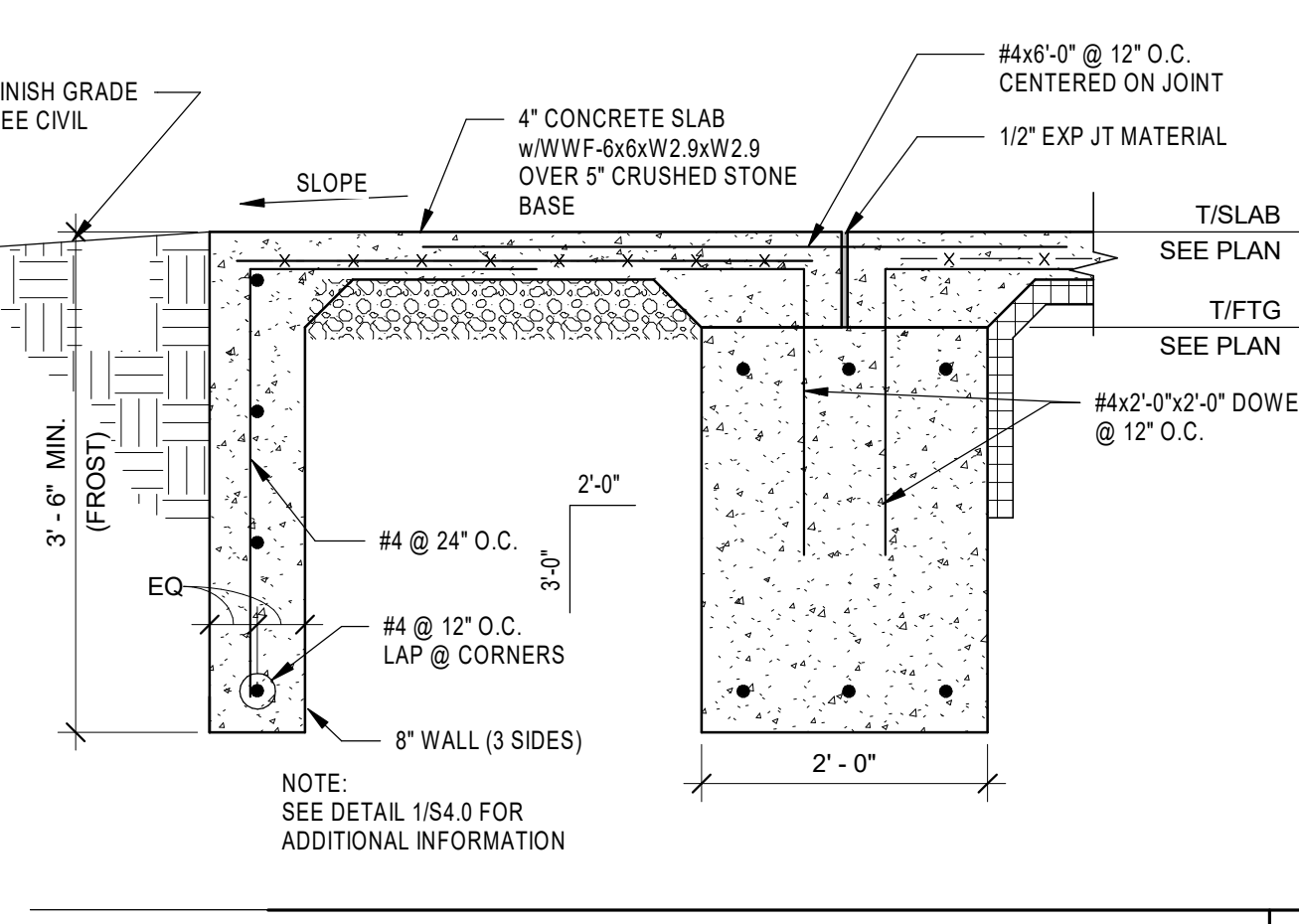
FOOTING AT ENTRY PILASTER 3/4" = 1'-0" 2



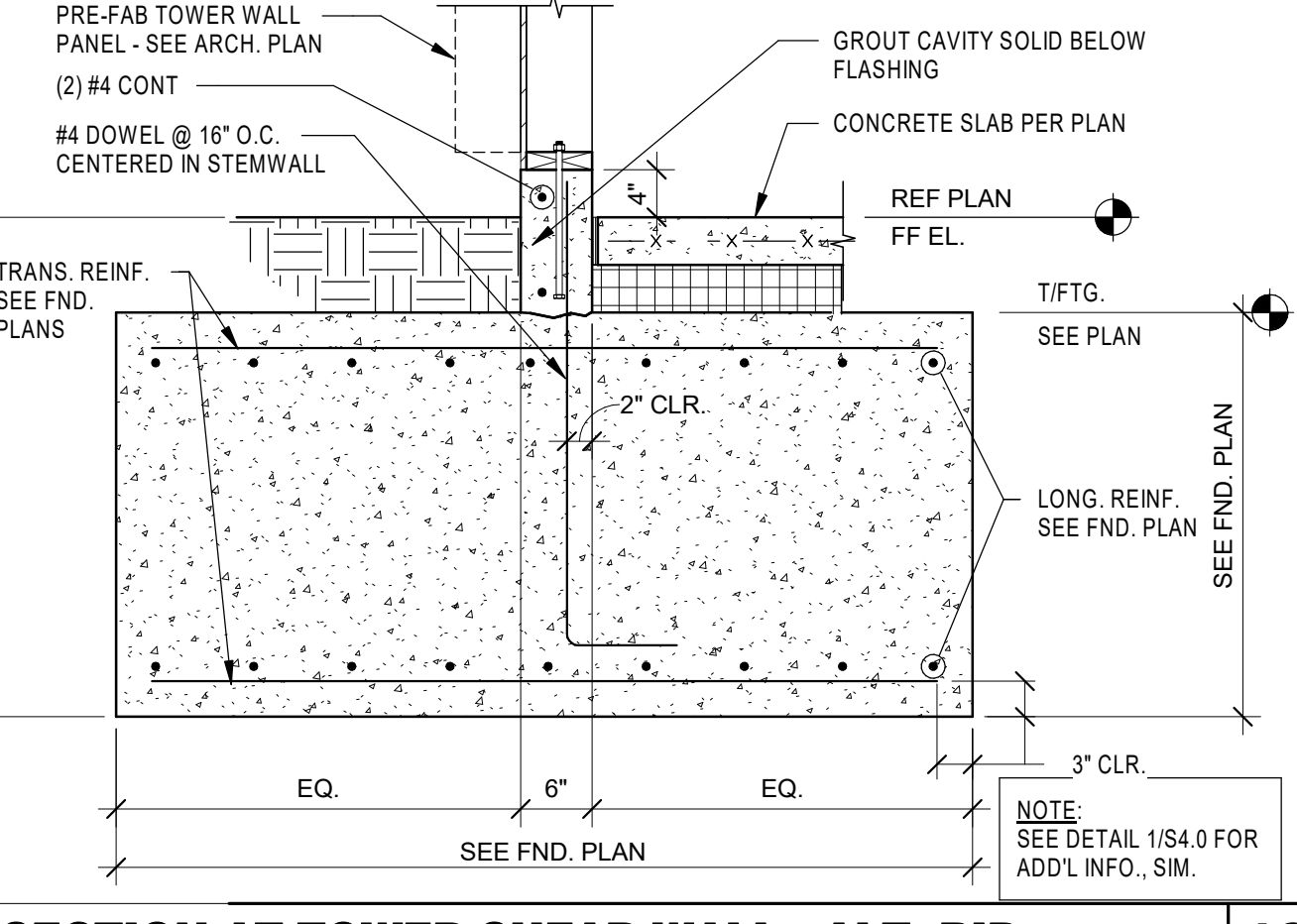
TYP. SLAB JOINT DETAIL 3/4" = 1'-0" 11



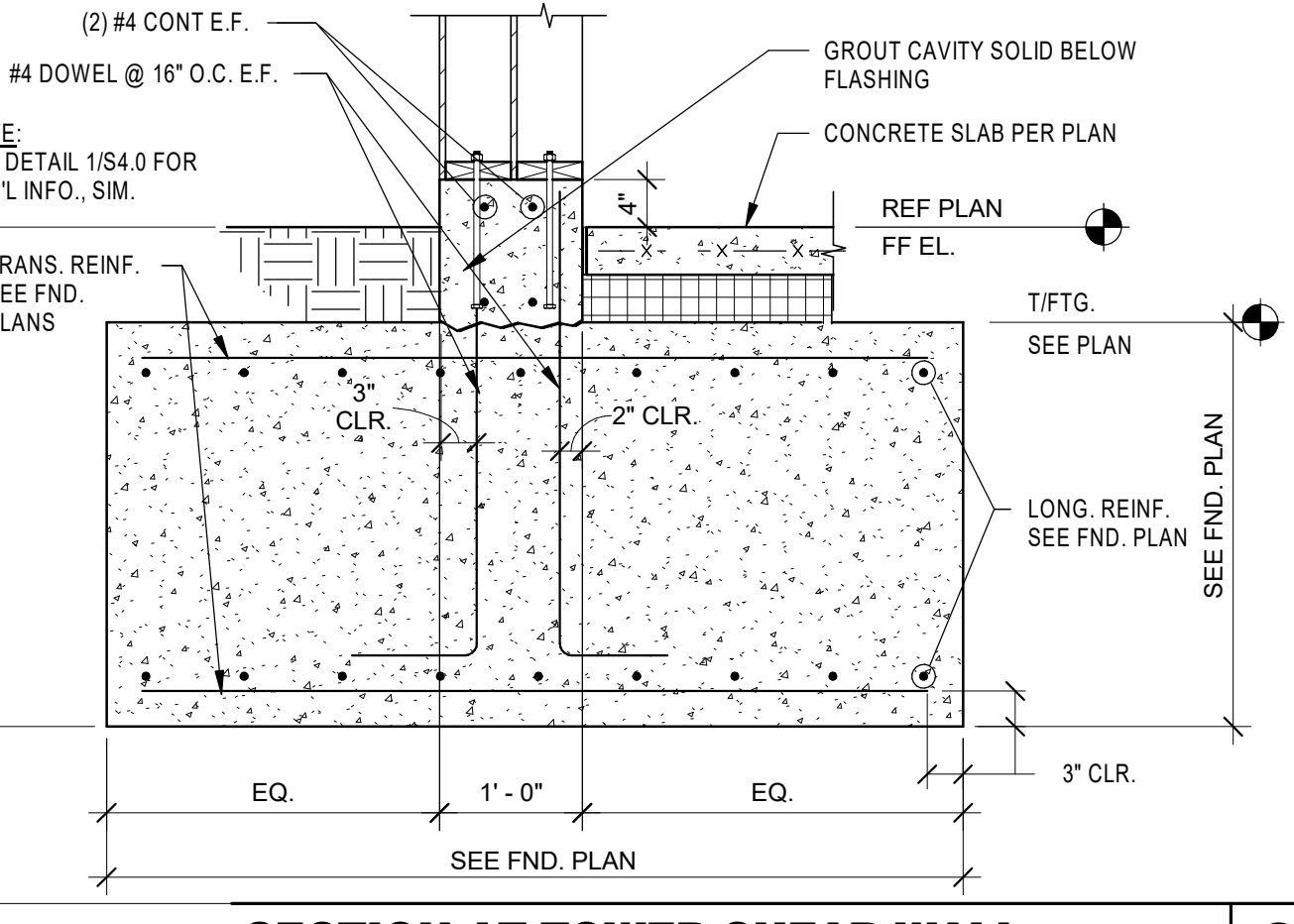
WINDOW SILL BRACING DETAIL 3/4" = 1'-0" 7



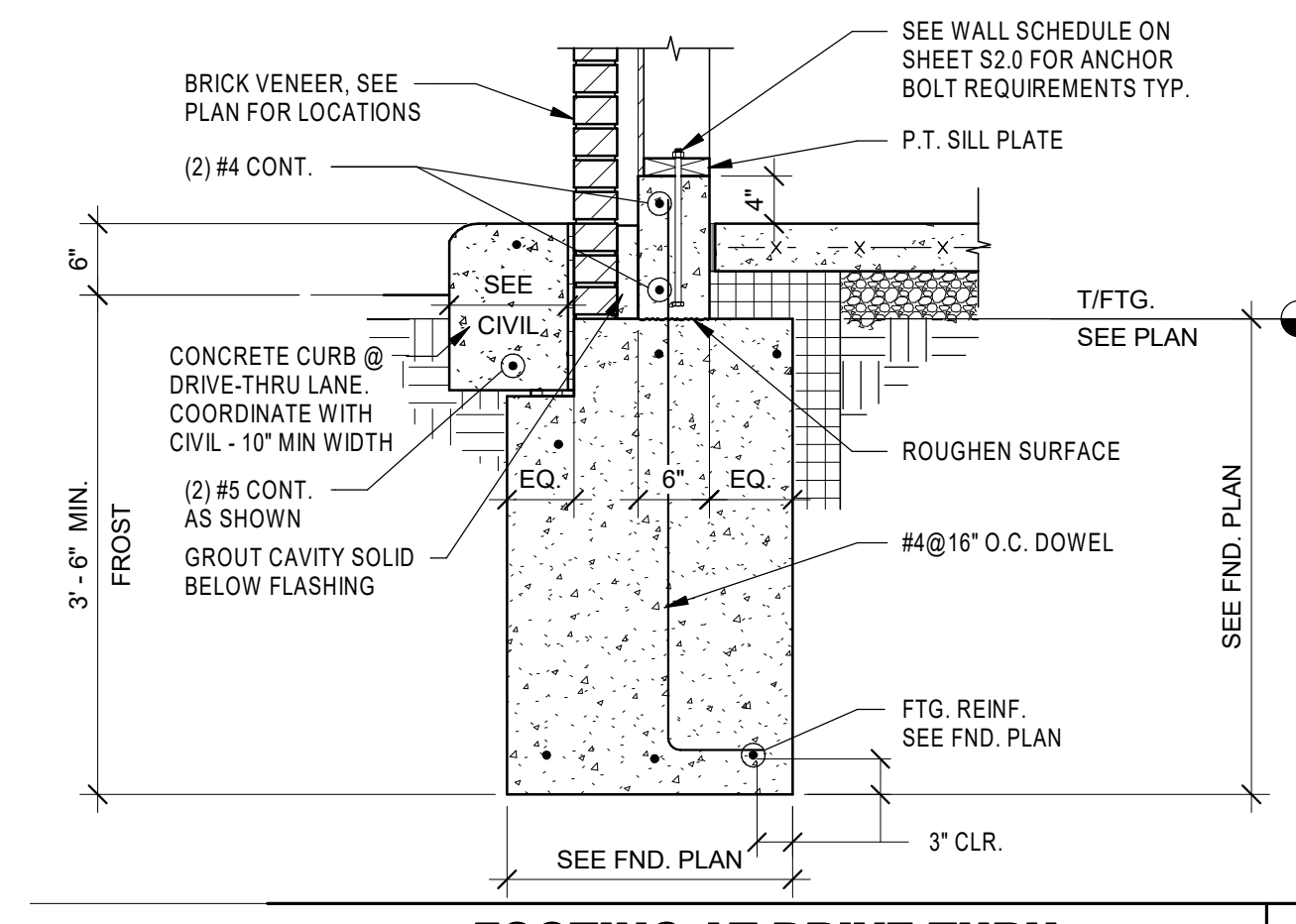
FOOTING AT FULL HEIGHT OPENING 3/4" = 1'-0" 3



SECTION AT TOWER SHEAR WALL - ALT. BID 3/4" = 1'-0" 12



SECTION AT TOWER SHEAR WALL 3/4" = 1'-0" 8



FOOTING AT DRIVE THRU 3/4" = 1'-0" 4

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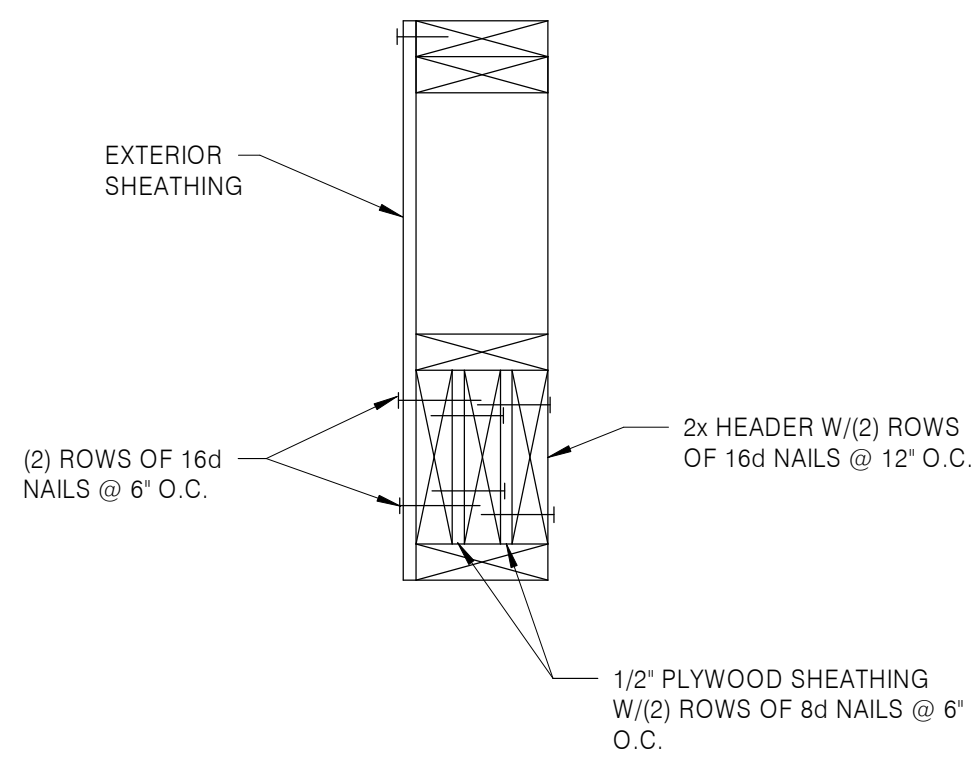
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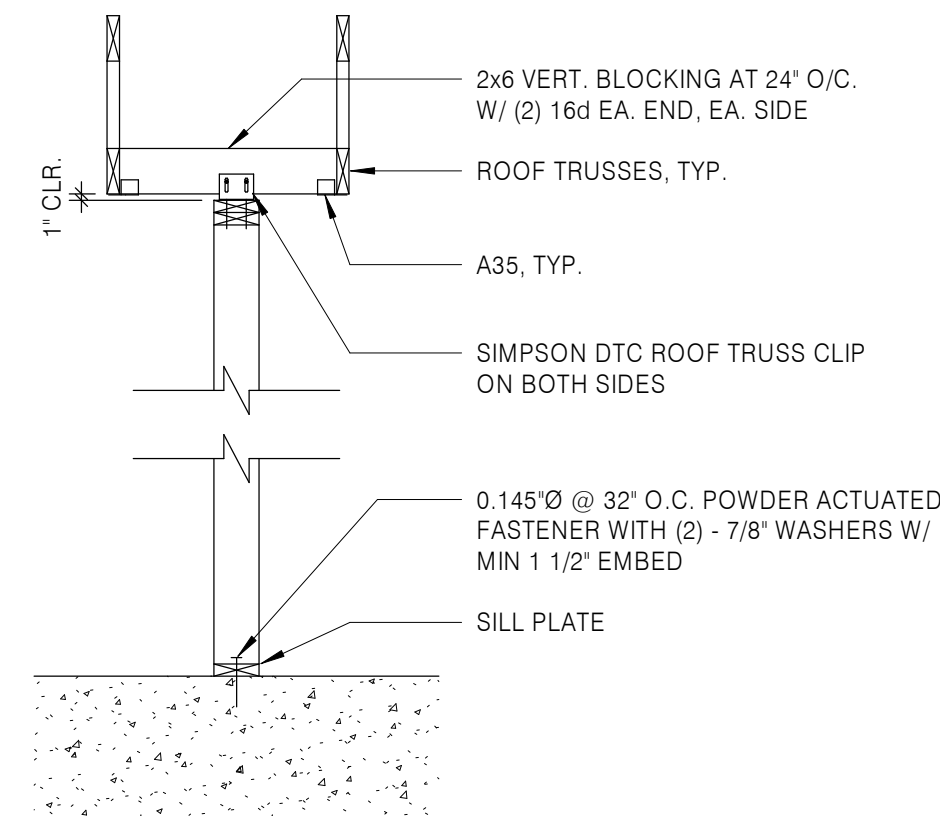
**STRUCTURAL
DETAILS
FOUNDATION**

S4.0

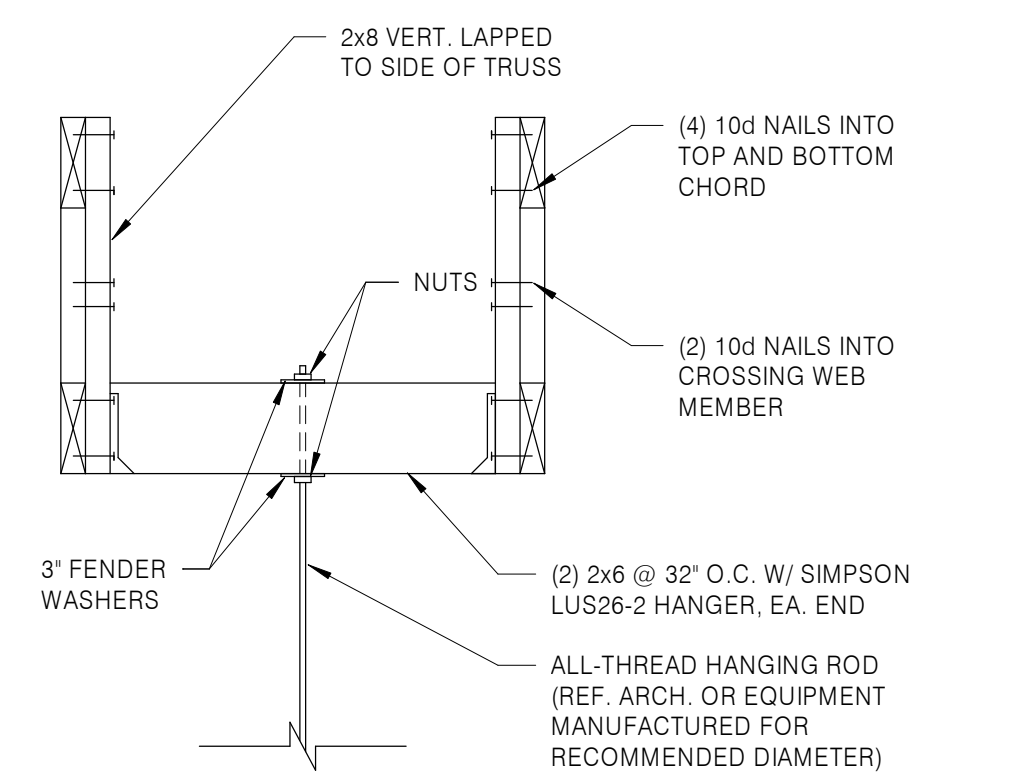
PLOT DATE: 8/21/2019 3:00:22 PM



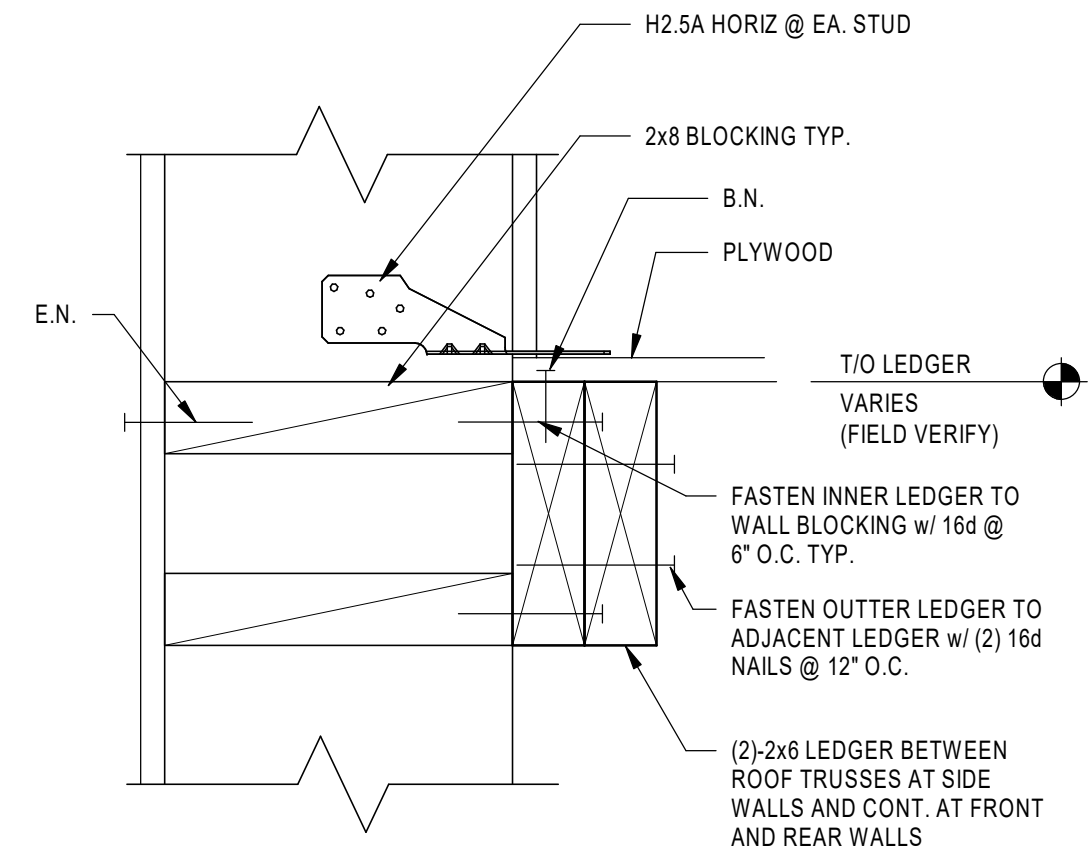
TYP. MULTIPLE HEADER 1-1/2" = 1'-0" **14**



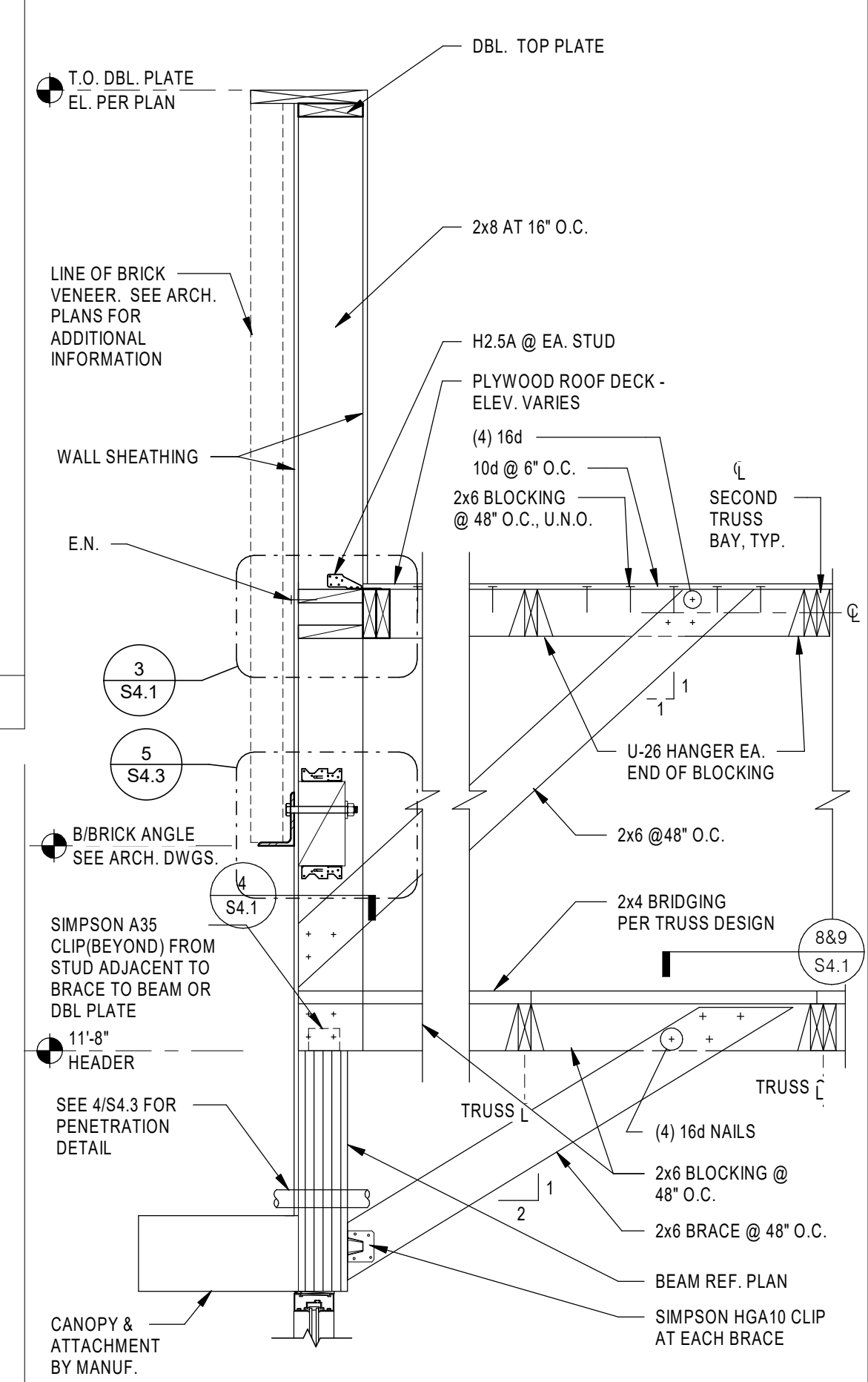
SUPPORT - PARALLEL TO TRUSS 1/2" = 1'-0" **10**



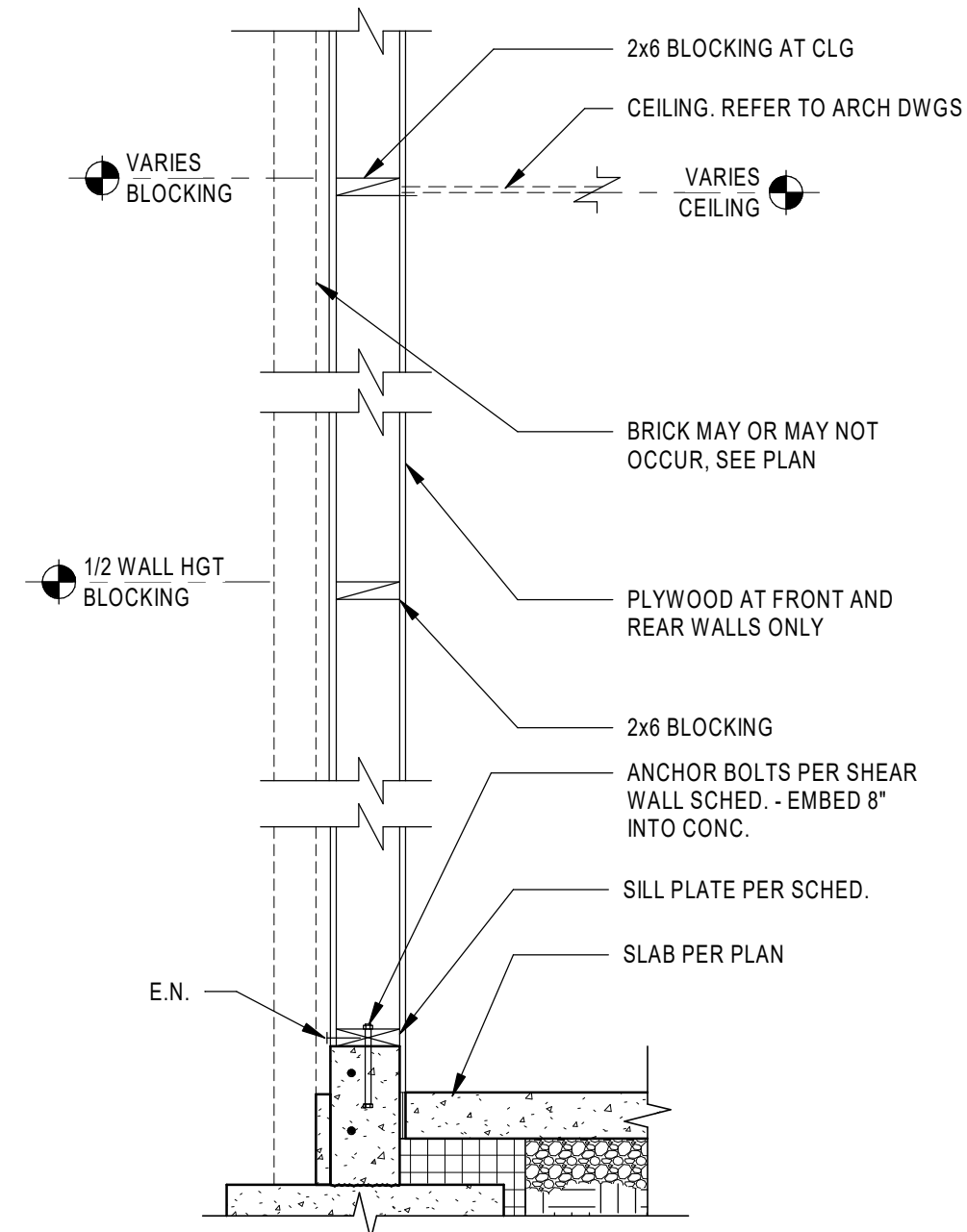
HANGING BULKHD. OR HOOD DETL. N.T.S. **6**



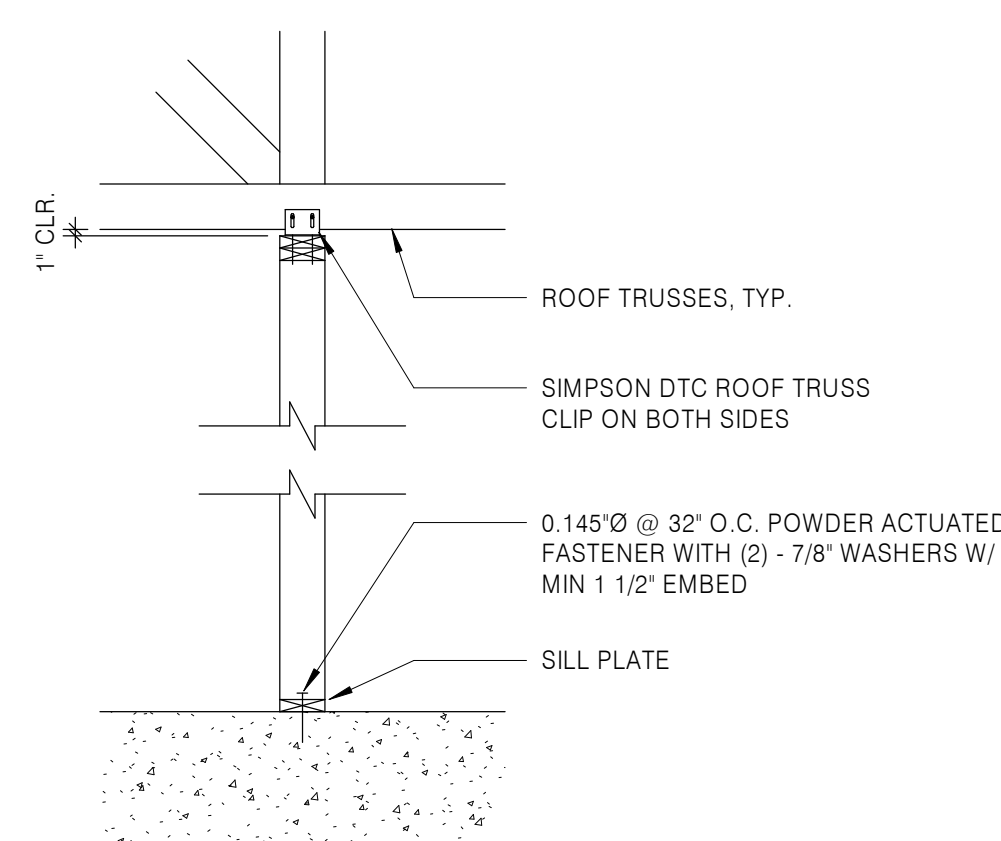
LEDGER DETAIL 3\"/>



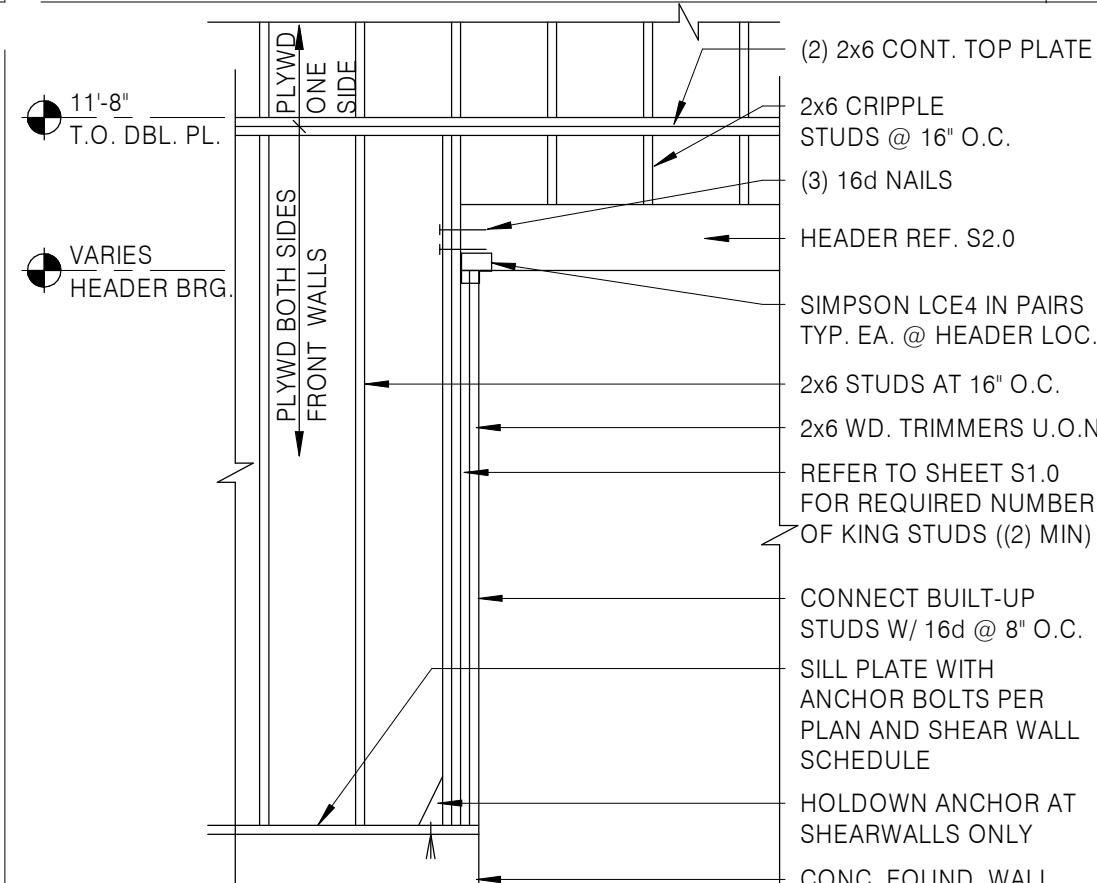
FRONT WALL N.T.S. **1**



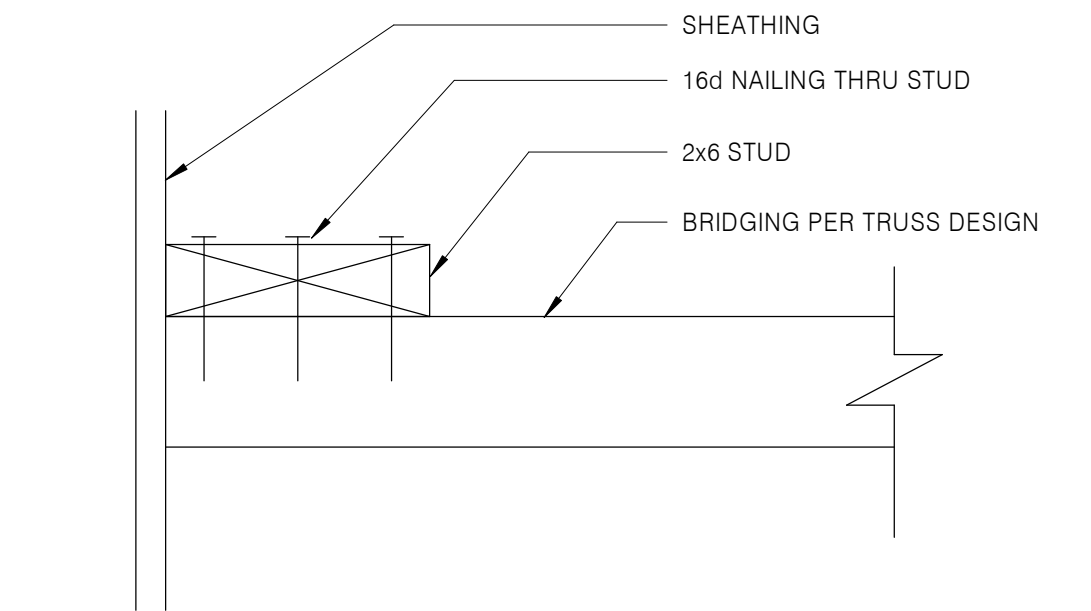
TYPICAL WALL BELOW TRUSS 3/4" = 1'-0" **15**



SUPPORT PERP. TO TRUSS 1/2" = 1'-0" **11**



FRAMING ELEVATION @ OPENING 3/8" = 1'-0" **7**



BRIDGING DETAIL 3\"/>

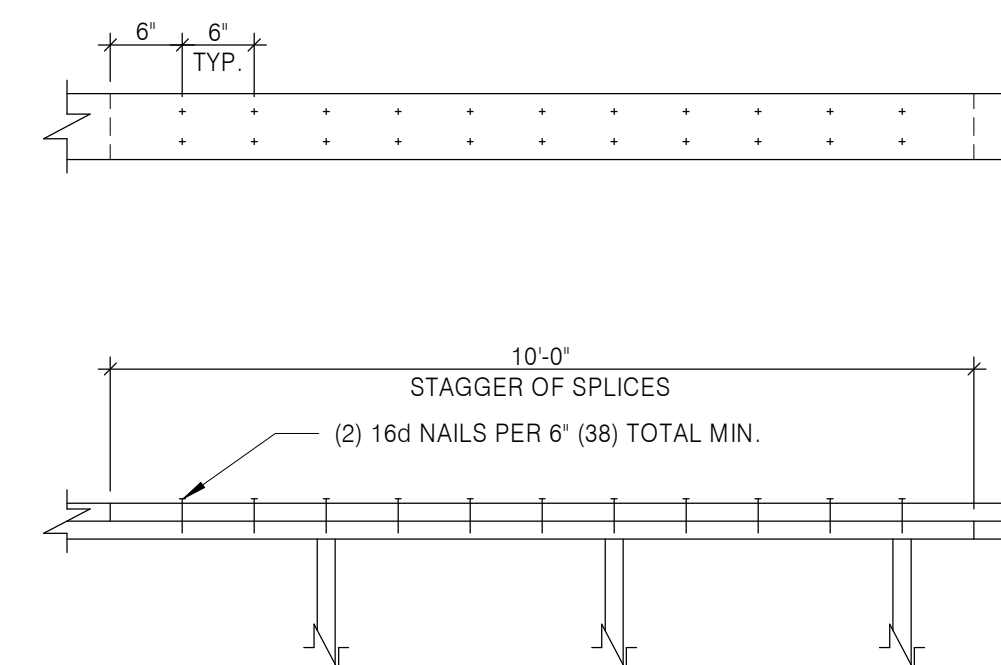
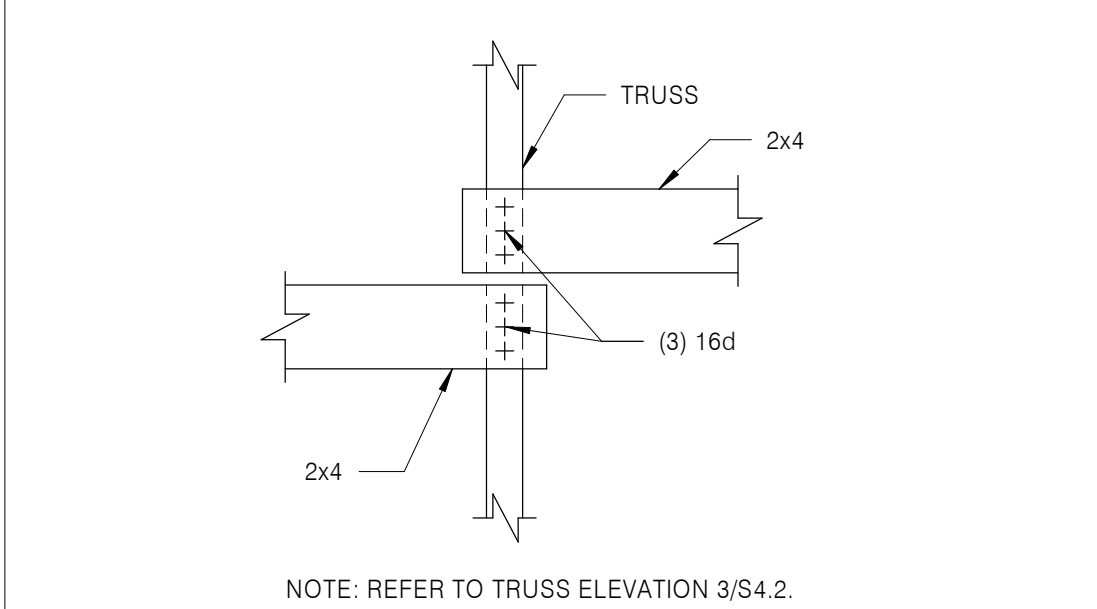
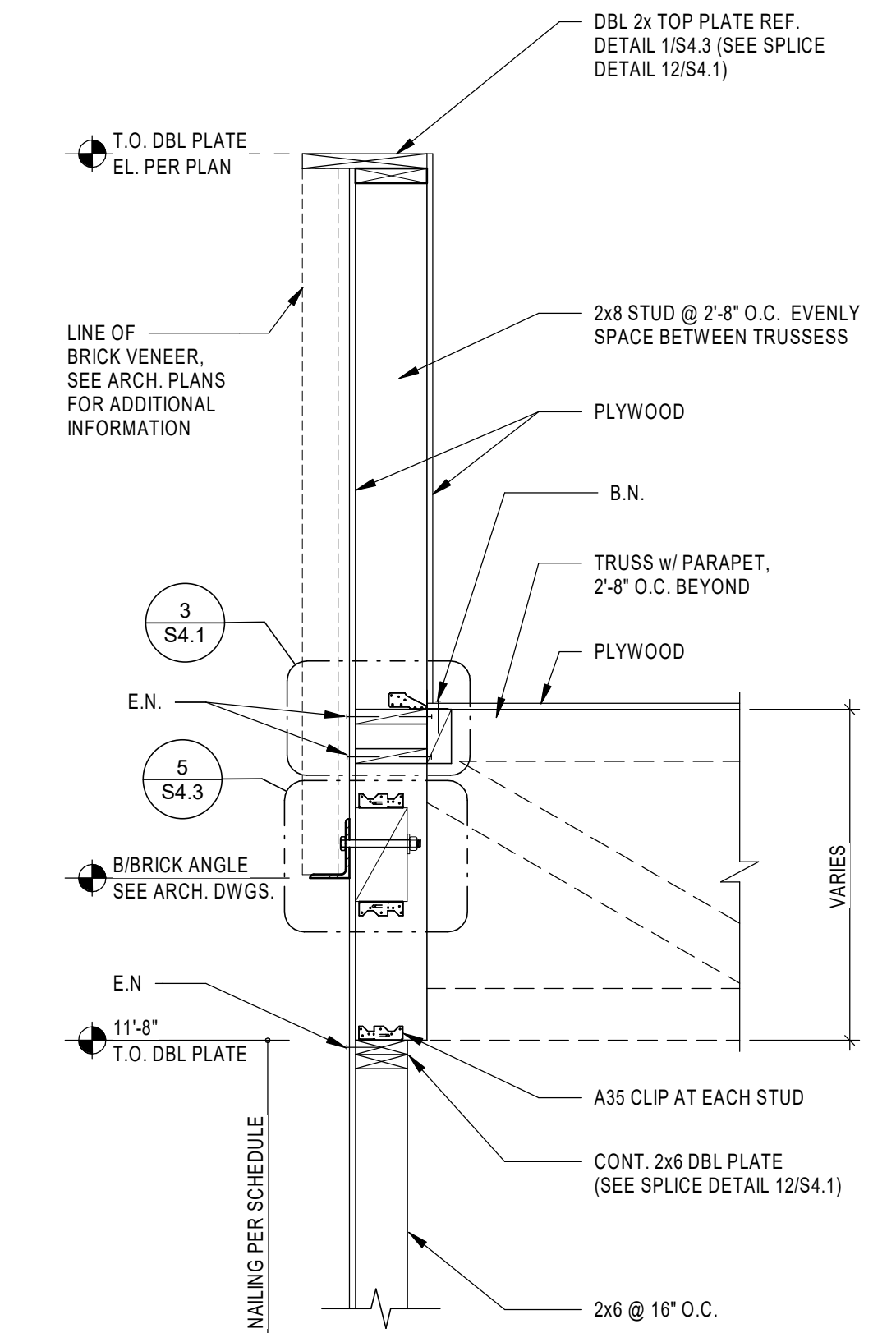


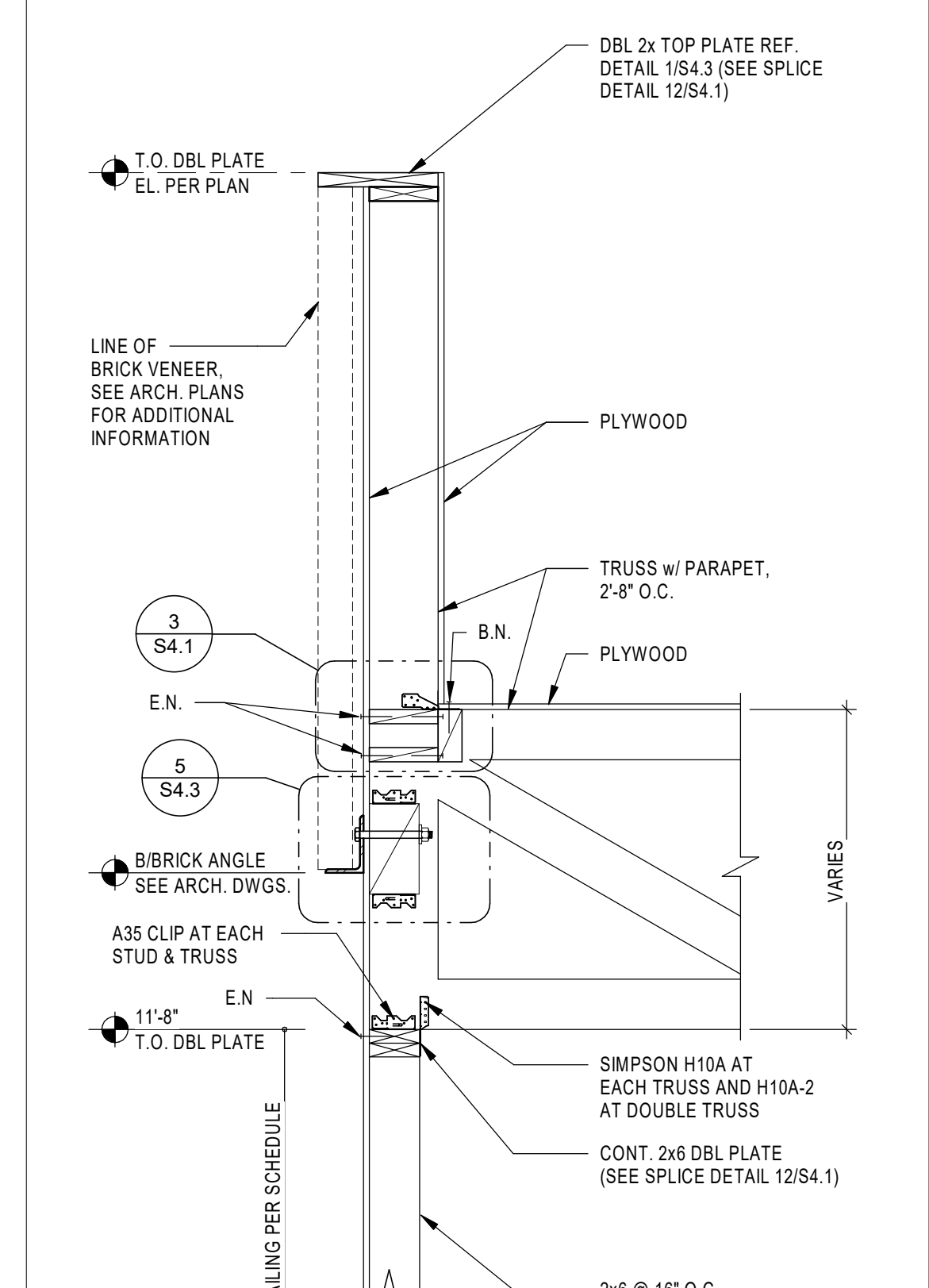
PLATE LAP DETAIL 1" = 1'-0" **12**



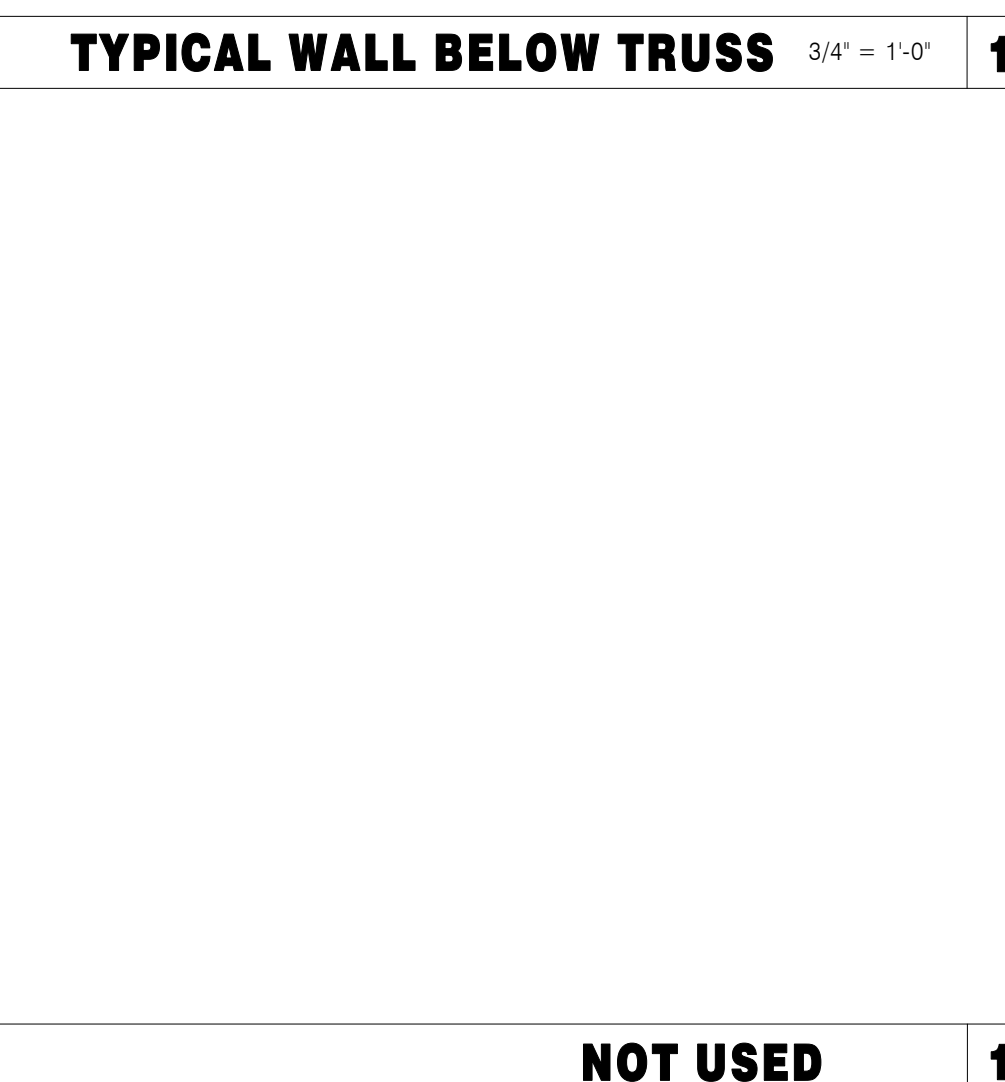
BRIDING LAP DETAIL 1/4" = 1'-0" **8**



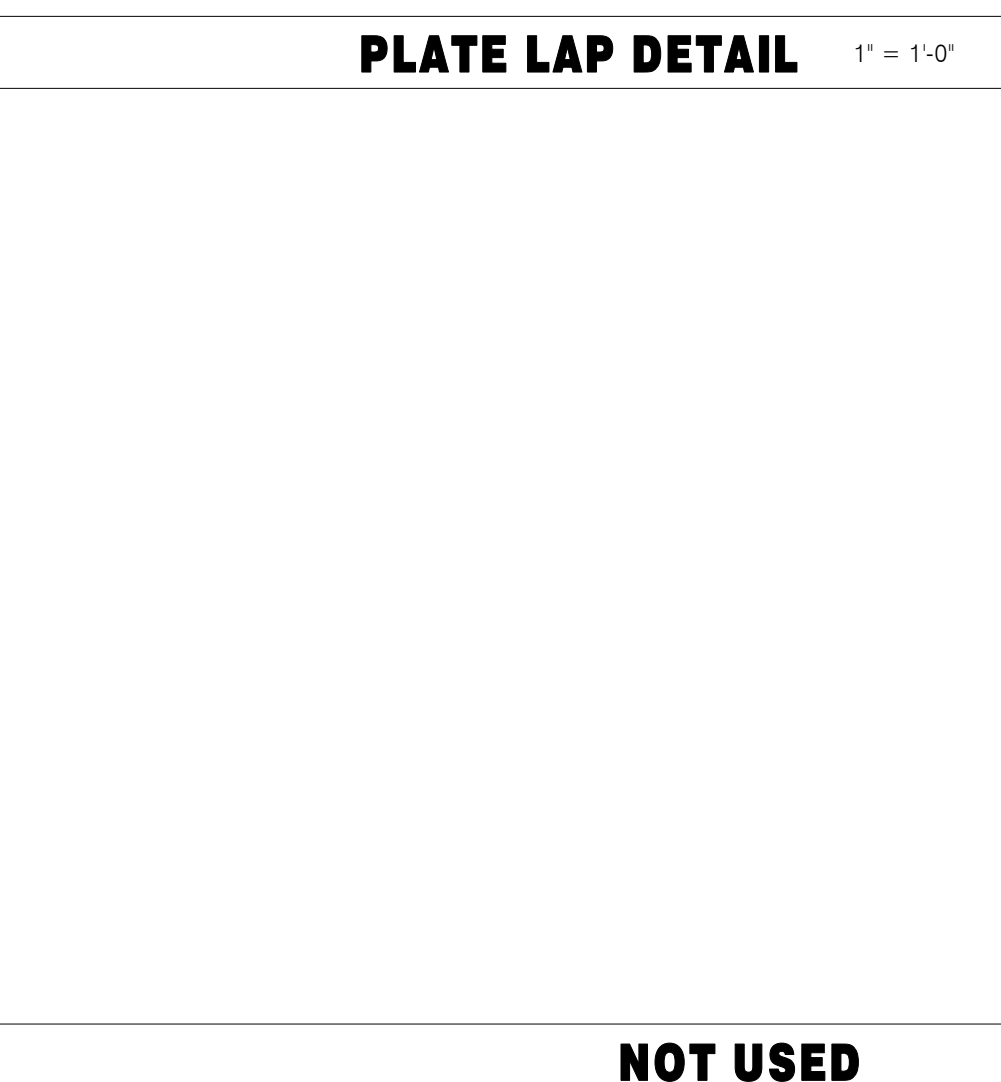
SIDE WALL @ PARAPET STUD 3/4" = 1'-0" **5**



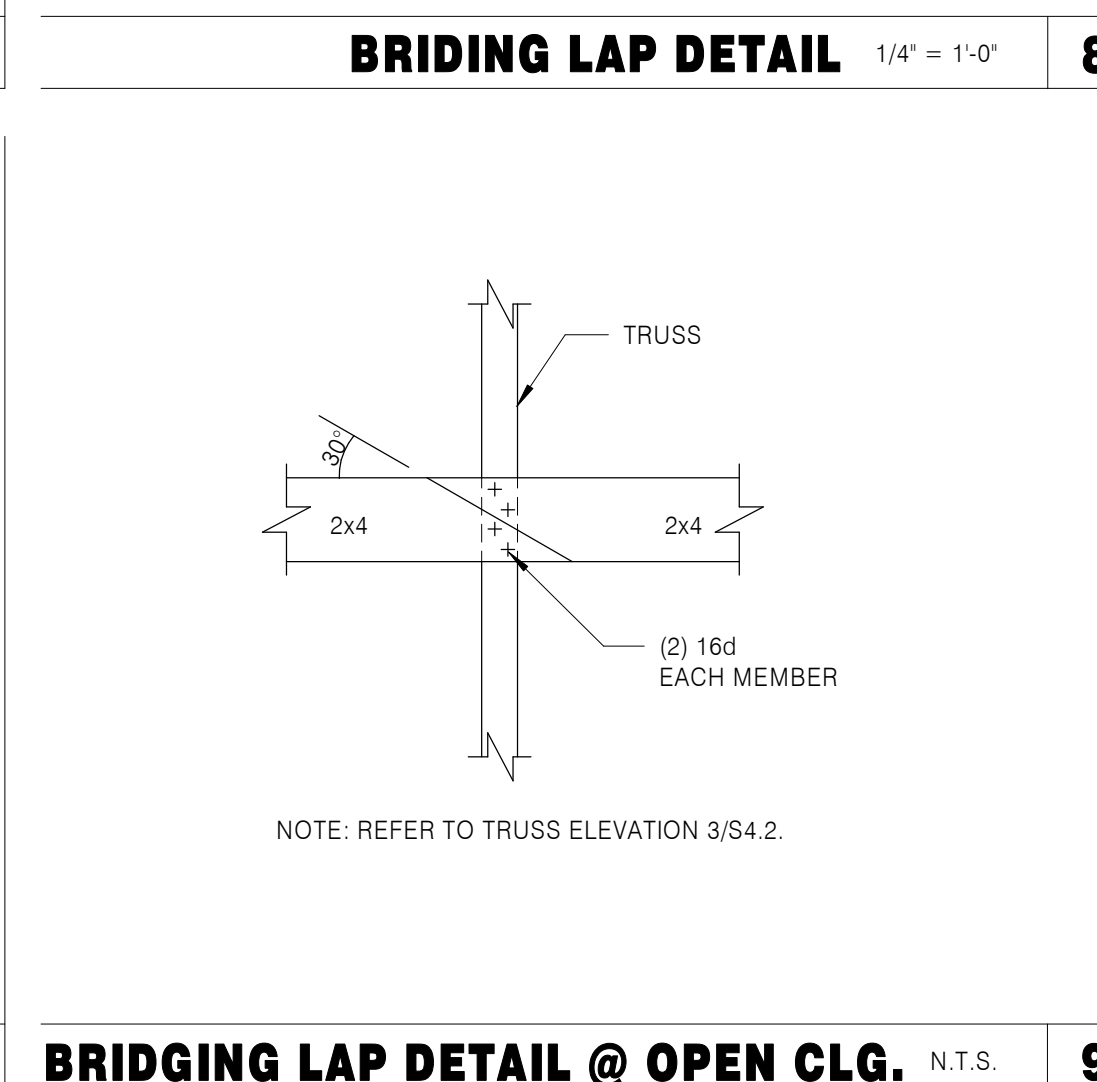
SIDE WALL @ TRUSS N.T.S. **2**



NOT USED **16**



NOT USED **13**



BRIDGING LAP DETAIL @ OPEN CLG. N.T.S. **9**

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REVISION DATE:
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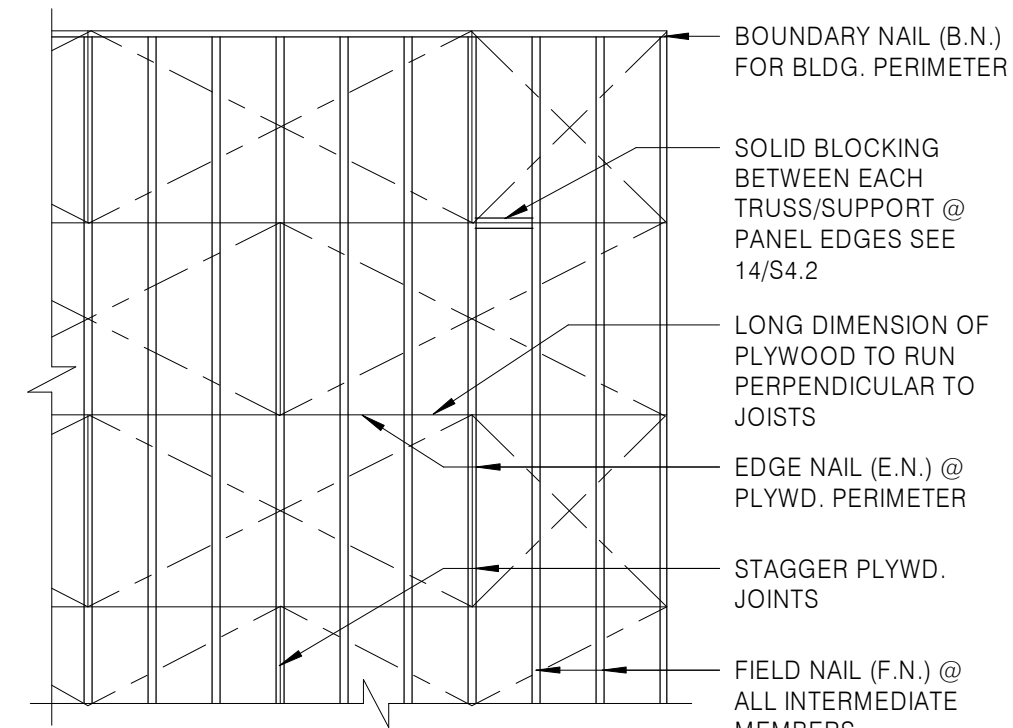
**STRUCTURAL
DETAILS
FRAMING**

S4.1

CONNECTION TYPE:

- 1. JOIST TO SILL OR GIRDER, TOENAIL (3-8d)
- 2. BRIDGING TO JOIST, TOENAIL EACH END (2-8d)
- 3. 1"x6" (25MMx152MM) SUBFLOOR OR LESS TO JOIST, FACE NAIL (2-8d)
- 4. WIDER THAN 1" X 6" (25MMx152MM) SUBFLOOR TO JOIST, FACE NAIL (3-8d)
- 5. 2" (52MM) SUBFLOOR TO GIRDER, BLIND AND FACE NAIL (2-16d)
- 6. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL (16d @ 16" O.C.)
- 7. SOLE PLATE TO JOIST OR BLOCKING, AT BRACED W. PANELS (3-16d PER 16")
- 8. TOP PLATE TO STUD, END NAIL (2-16d)
- 9. STUD TO SOLE PLATE (2-16d END NAIL)
- 10. DOUBLE STUDS, FACE NAIL (16d @ 24", O.C.)
- 11. DOUBLE TOP PLATES, TYPICAL FACE NAIL (16d @ 16" O.C.)
- 12. DOUBLE TOP PLATES, LAP SPLICE (8-16d)
- 13. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL (3-8d)
- 14. RIM JOIST TO TOP PLATE, TOENAIL (8d @ 6" O.C.)
- 15. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL (2-16d)
- 16. CONTINUOUS HEADER, TWO PIECES (16d @ 16" O.C. ALONG EDGE)
- 17. CEILING JOISTS TO PLATE, TOENAIL (3-8d)
- 18. CONTINUOUS HEADER TO STUD, TOENAIL (4-8d)
- 19. CEILING JOISTS, LAP OVER PARTITIONS, FACE NAIL (3-16d)
- 20. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL (3-16d)
- 21. RAFTER TO PLATE, TOENAIL (3-8d)
- 22. 1" (25MM) BRACE TO EACH STUD AND PLATE, FACE NAIL (2-8d)
- 23. 1"x8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL (2-8d)
- 24. WIDER THAN 1"x8" SHEATHING TO EACH BEARING, FACE NAIL (3-8d)
- 25. BUILT-UP CORNER STUDS (16d @ 24" O.C.)
- 26. 2" PLANKS (2-16d AT EACH SPLICE)
- 27. 2x6 BOX BEAM / HEADER (12d @ 12" O.C.)
- 28. BUILT-UP GIRDER AND BEAMS (20d @ 32" O.C. AT TOP & BOTTOM AND STAGGERED 2-20d AT ENDS AND AT EACH SPLICE)

NAILING:



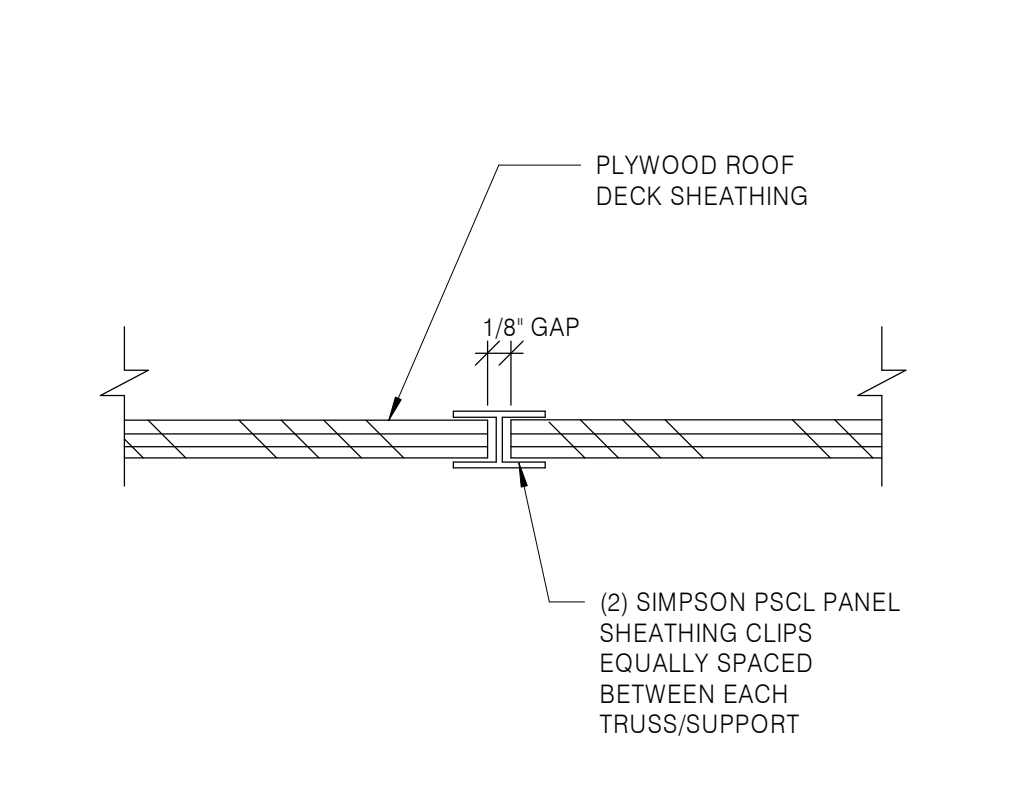
NOTES:
 1. MIN. PLYWD. SHT. SIZE SHALL BE 2'-0" X 4'-0".
 2. MIN. 3/8" NAILING EDGE DISTANCE.
 3. EDGE NAIL (E.N.) O/ BEAMS AND AROUND ALL OPENINGS.

ROOF NAILING PLAN N.T.S. **8**

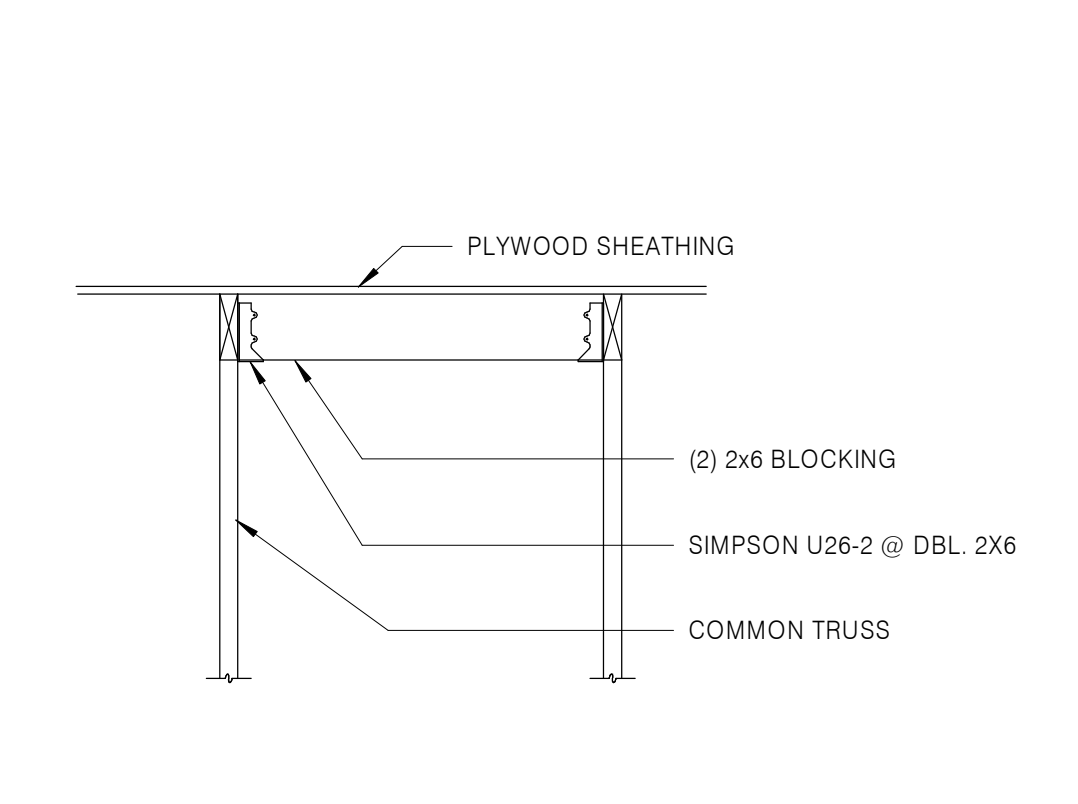
EQUIPMENT	DESIGN WEIGHT
HVAC UNIT - RTU-1	1700 lbs.
HVAC UNIT - RTU-2	2800 lbs.
HVAC UNIT - RTU-1 (ALT)	1750 lbs.
HVAC UNIT - RTU-2 (ALT)	1900 lbs.
EXHAUST FAN - EF-1	200 lbs.
EXHAUST FAN - EF-2	70 lbs.
HOOD #1 - TACO BELL	400 lbs.
ICE CONDENSERS	200 lbs.
FREEZER CONDENSER	300 lbs.
COOLER CONDENSER	300 lbs.

* A. ALL DESIGN WEIGHTS INCLUDE CURB.
 B. COORDINATE WEIGHTS WITH HVAC UNIT SCHEDULE 1/M1.0.

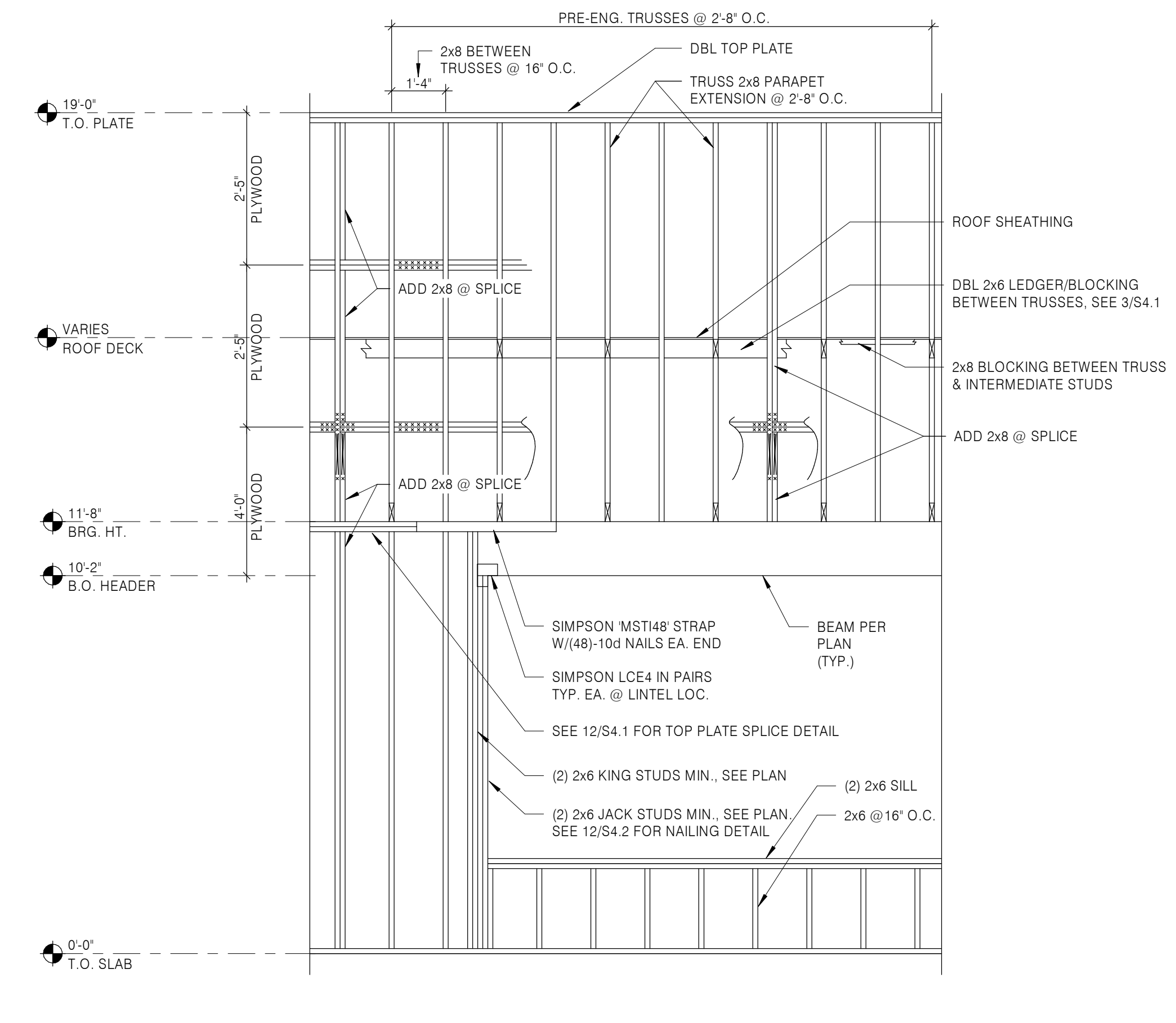
ROOF TOP EQUIPMENT WEIGHTS N.T.S. **5**



PLYWOOD EDGE BLOCKING N.T.S. **9**

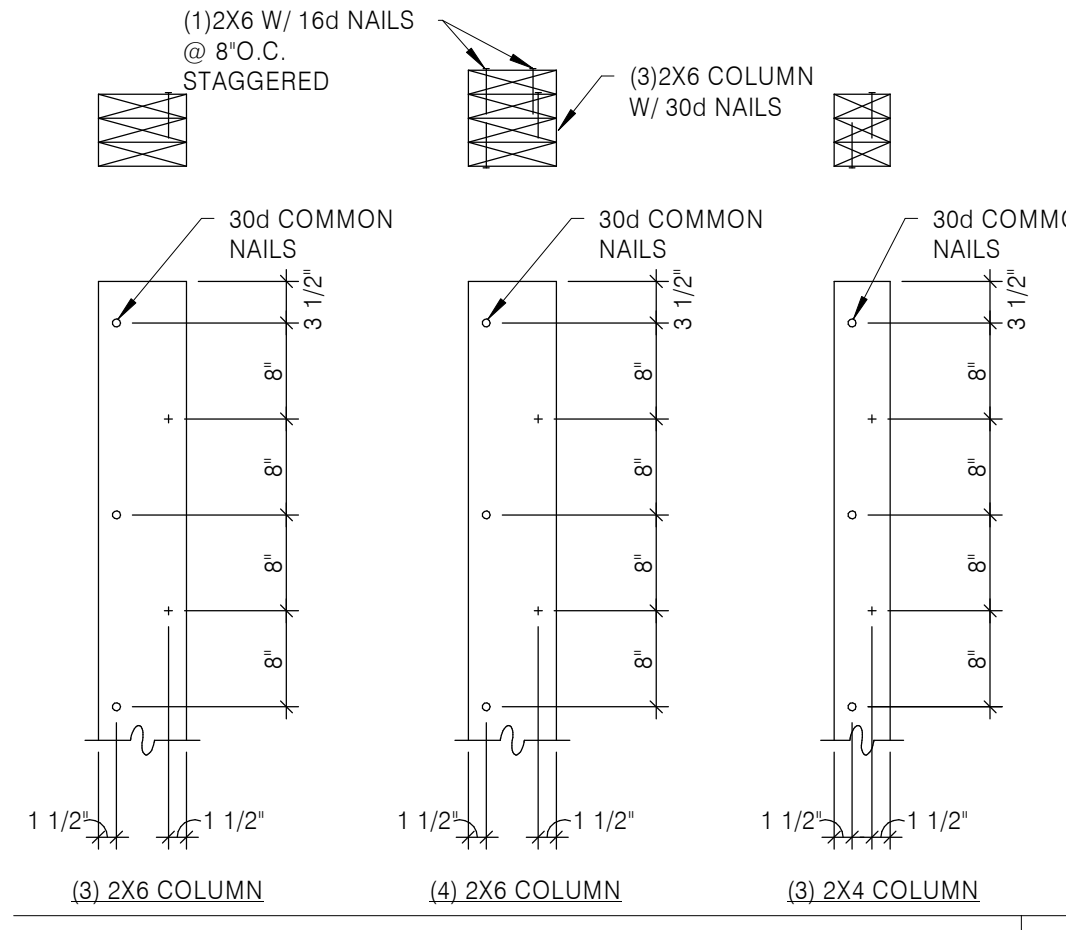


ROOF OPENING DETAIL N.T.S. **6**

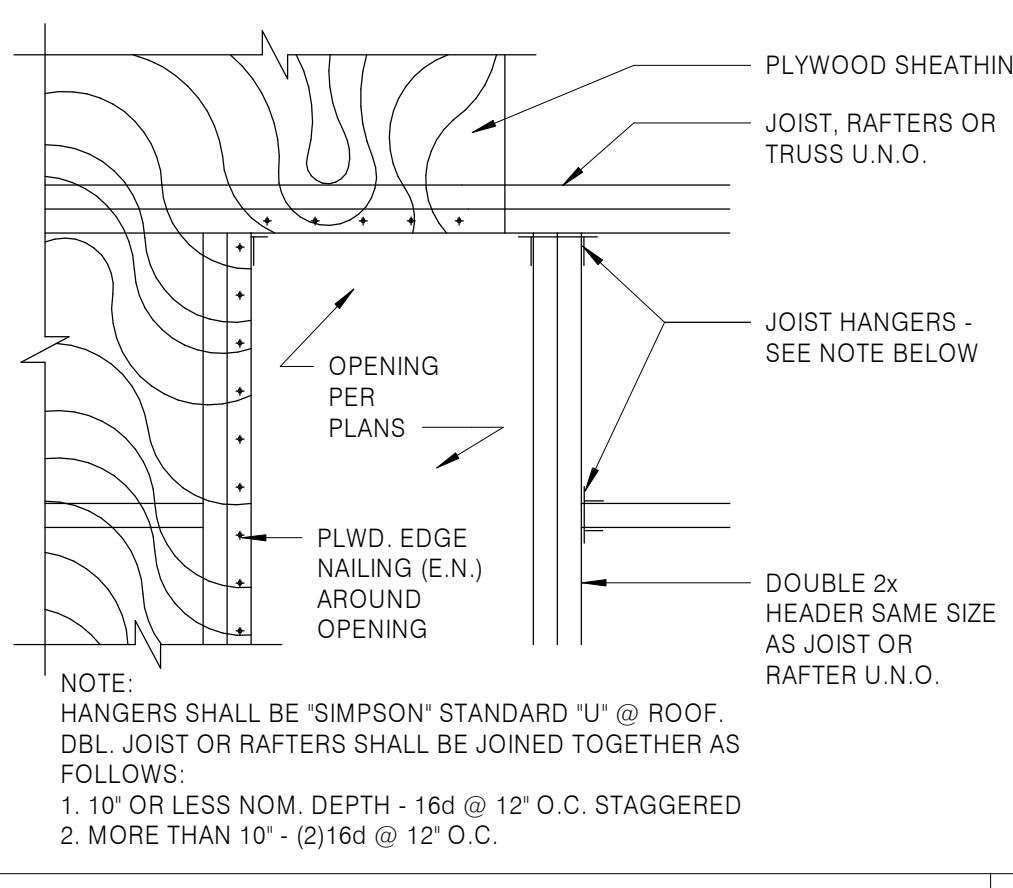


WALL FRAMING DETAIL 3/8" = 1'-0" **1**

NAILING SCHEDULE N.T.S. **11**



BUILT-UP 2X COLUMNS N.T.S. **12**

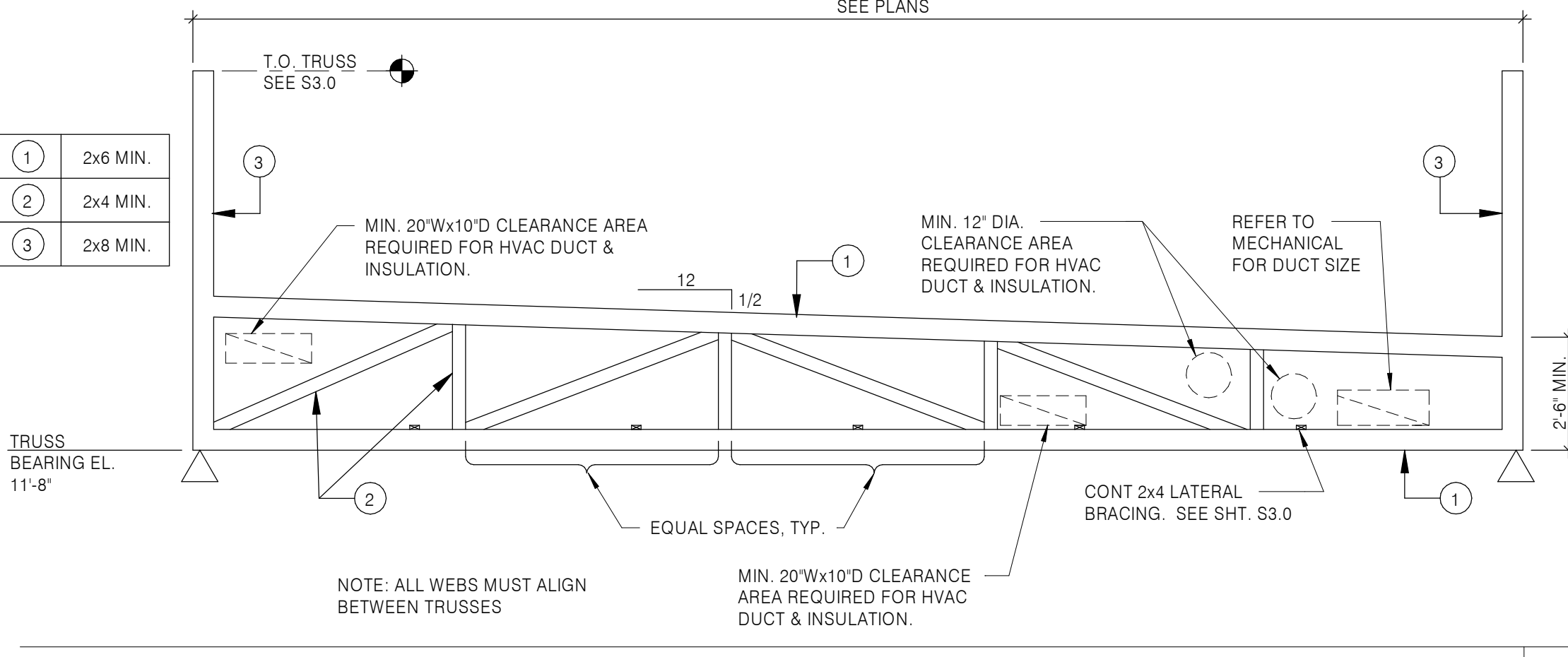


TYPICAL ROOF OPENING 1" = 1'-0" **10**

TRUSS TYPES	SINGLE TRUSS DESIGNATION	DOUBLE TRUSS DESIGNATION	BEARING POINT	COMMENTS
T1 - T24	X	XX		SEE NOTE 1.

NOTES:
 1. HOLDOWN CONNECTORS SHALL BE SPECIFIED BY SITE SPECIFIC ARCHITECT/ ENGINEER BASED UPON LOADING DATA PROVIDED BY TRUSS DESIGNER.
 2. PROVIDE SHOP DRAWINGS PRIOR TO FABRICATION.
 3. TRUSS MEMBER SIZES ARE FOR REFERENCE ONLY. ACTUAL SIZE SHALL BE DETERMINED BY TRUSS MANUFACTURER BASED ON ACTUAL LOAD CONDITIONS AND CODES.

TRUSS SCHEDULE N.T.S. **7**



TRUSS ELEVATION N.T.S. **2**

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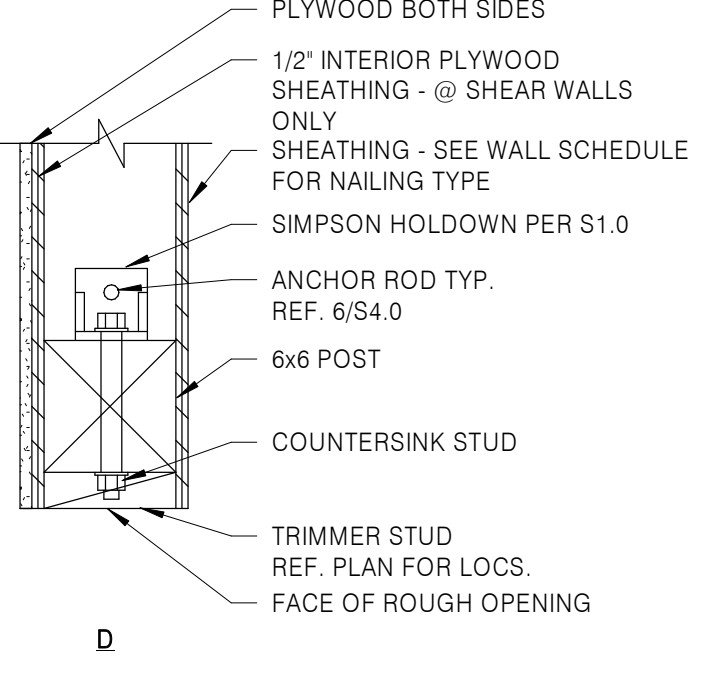
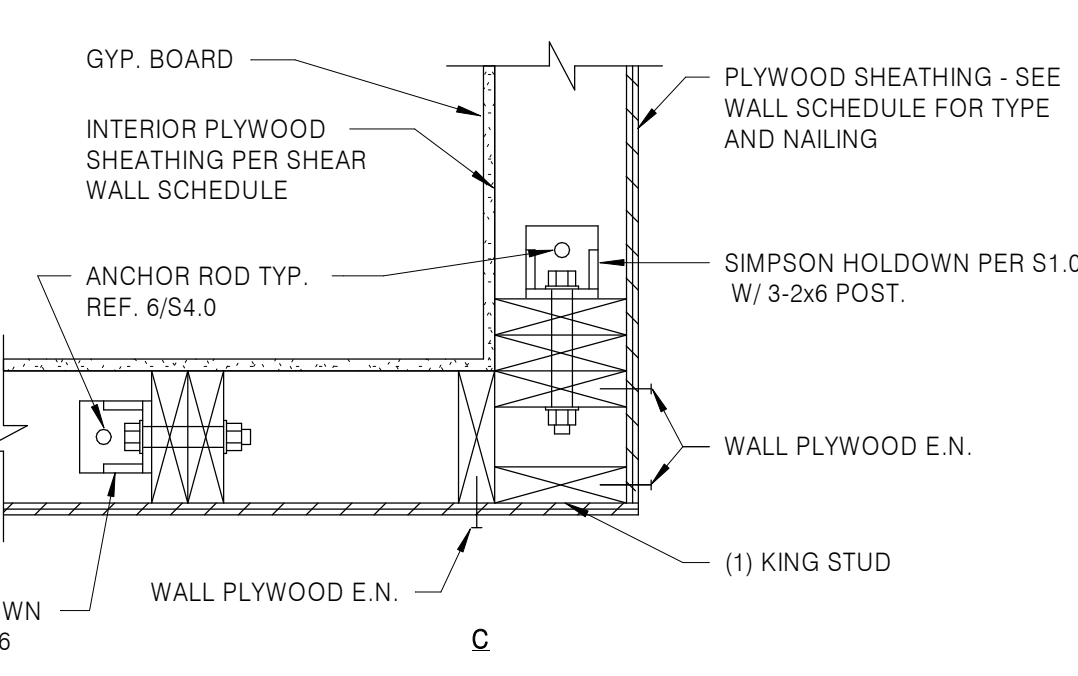
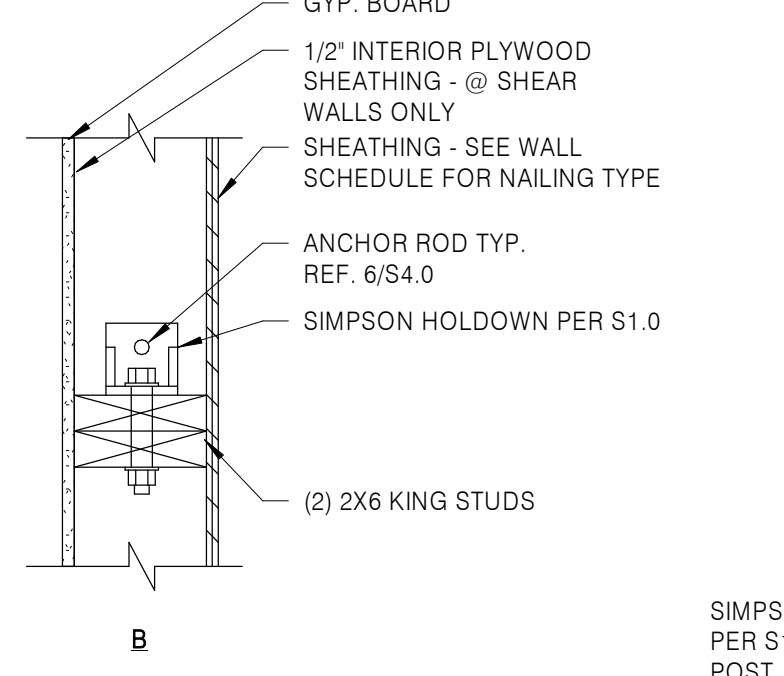
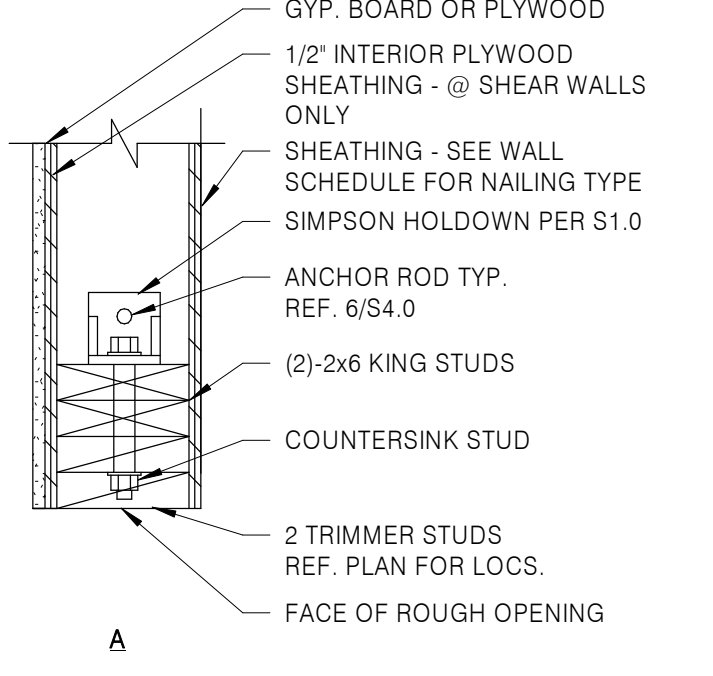
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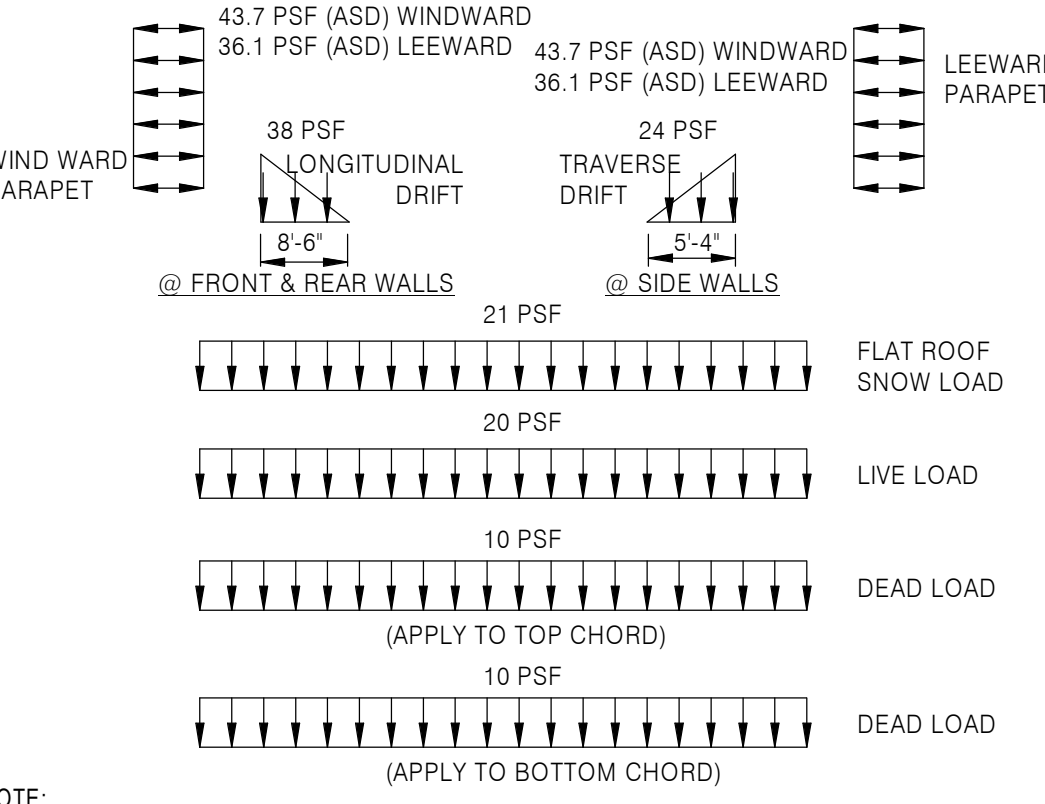
STRUCTURAL DETAILS ROOF

S4.2

PLOT DATE: 8/21/2019 3:00:31 PM

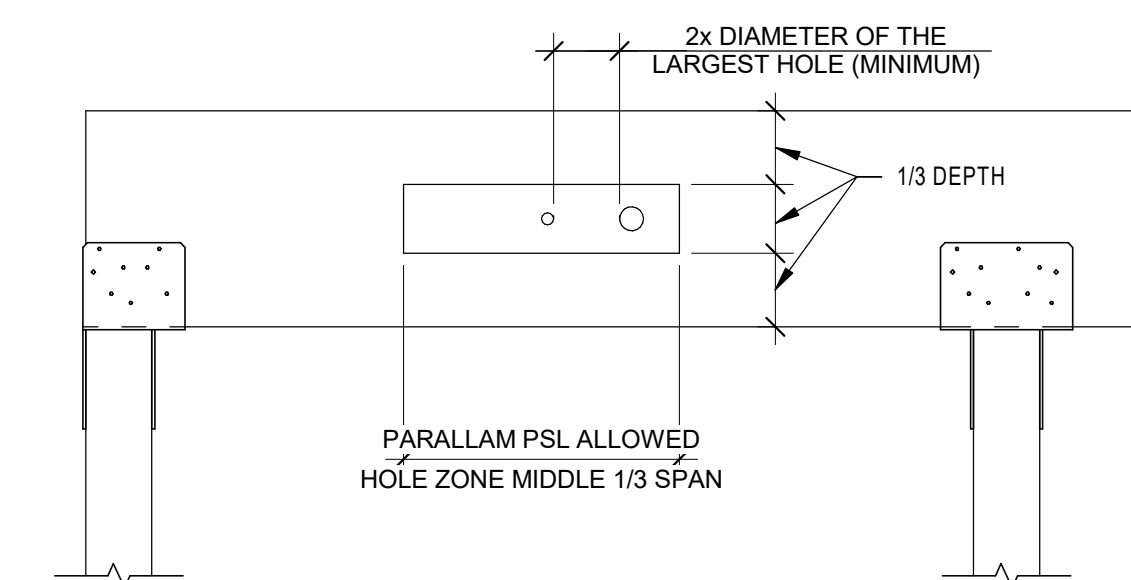
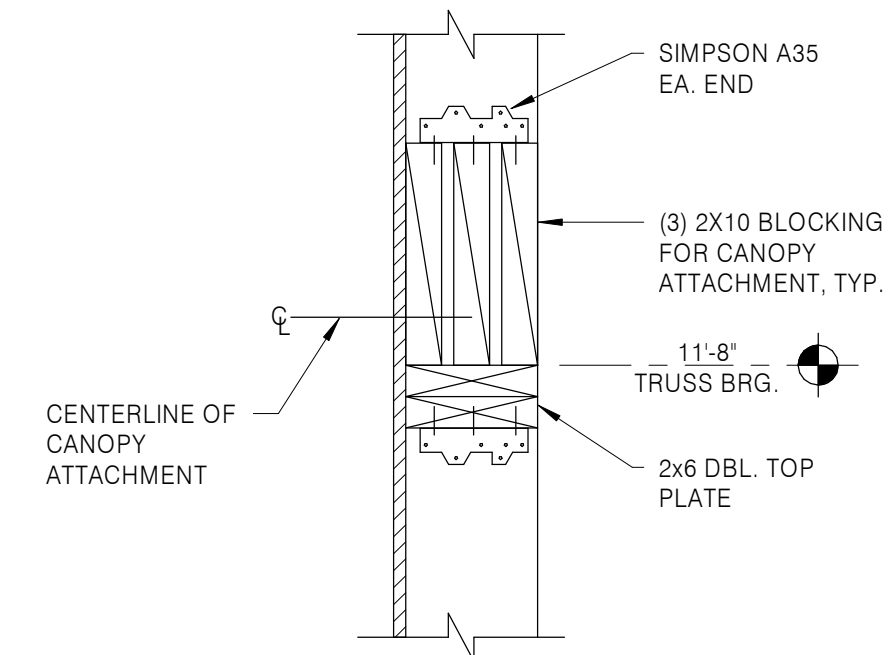
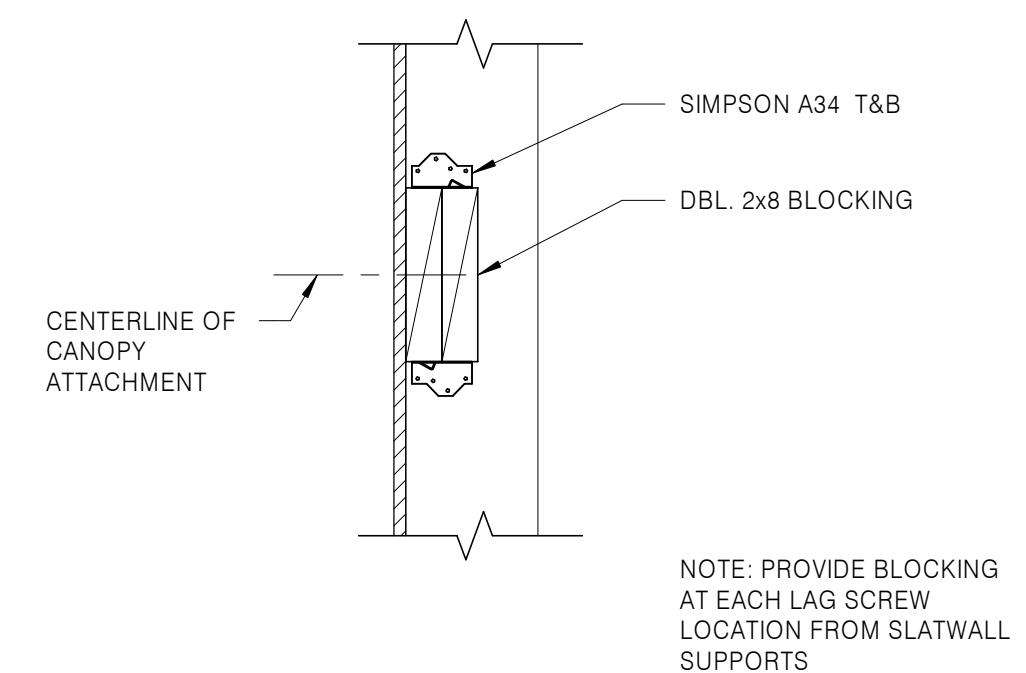
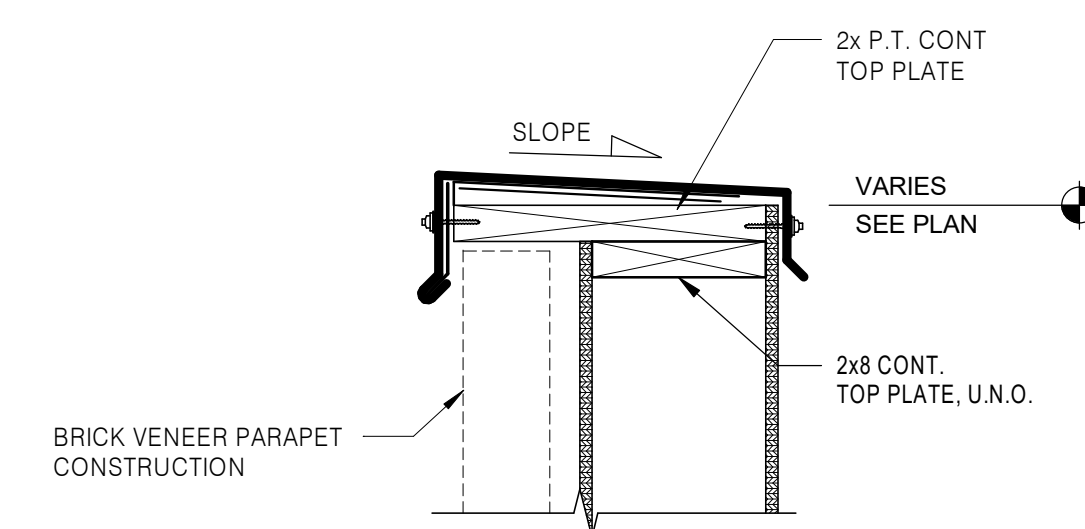
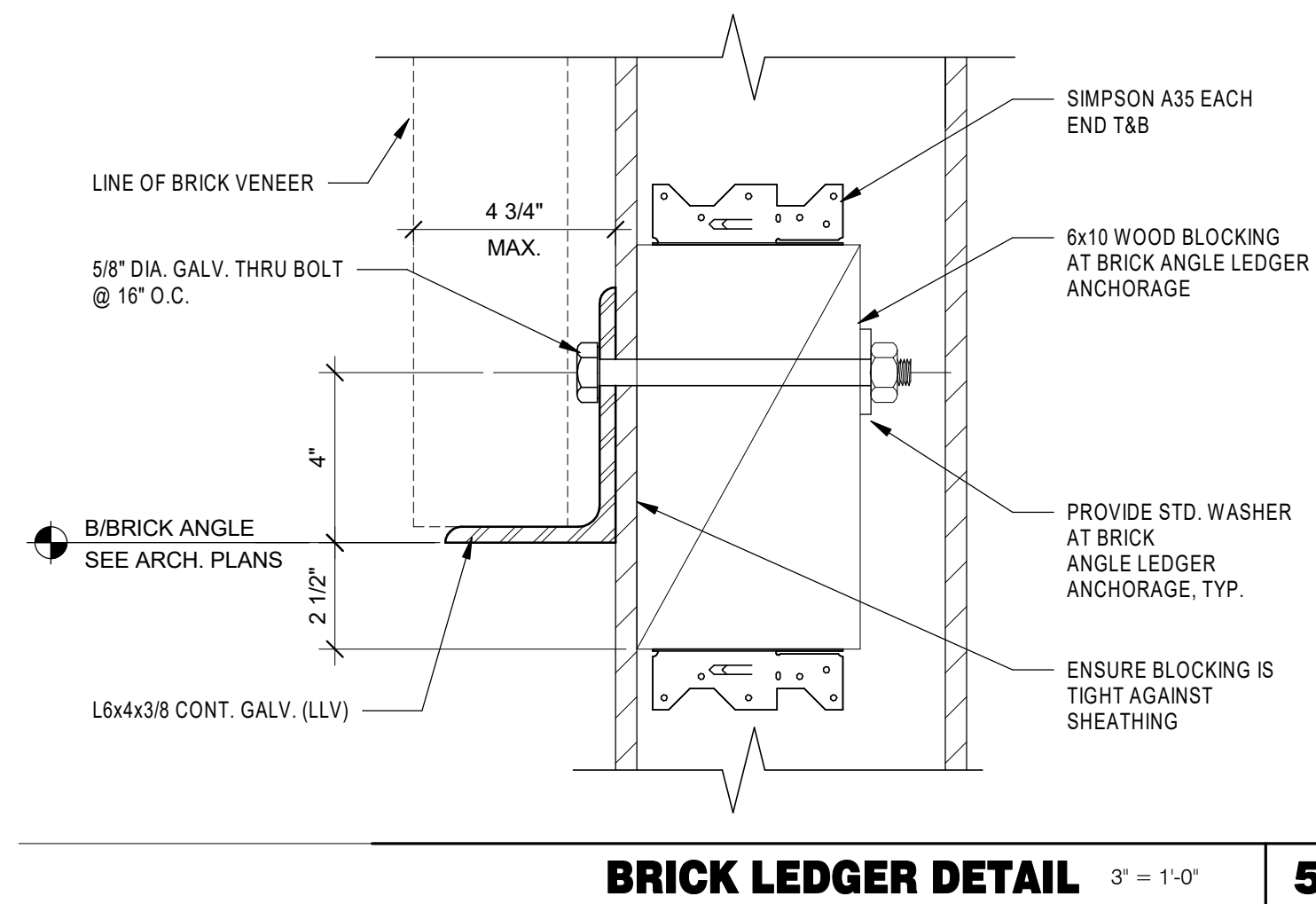


HOLDOWN DETAILS 1 1/2" = 1'-0" **4**



NOTE:
 ALSO, APPLY ROOF TOP AND SUSPENDED POINT LOADS. WEIGHT AND LOCATION OF UNITS AS NOTED ARE SHOWN ON THIS SHEET AND ARE NOT INCLUDED IN THE ABOVE LOADING DIAGRAM. VERIFY THESE LOADS WITH MECHANICAL SUPPLIER BEFORE DESIGNING TRUSS.

TRUSS LOAD DIAGRAMS N.T.S. **3**



NOTES:
 ALLOWED HOLE SIZE SUITABLE FOR HEADERS AND BEAMS WITH UNIFORM LOADS ONLY.
 ROUND HOLES ONLY.
 NO HOLES IN CANTILEVERS.
 NO HOLES IN HEADERS OR BEAMS IN PLANK ORIENTATION.

HEADER OR BEAM DEPTH	MAXIMUM ROUND HOLE SIZE
4 3/8"	1"
5 1/2"	1 3/4"
7 1/4"-20"	2"

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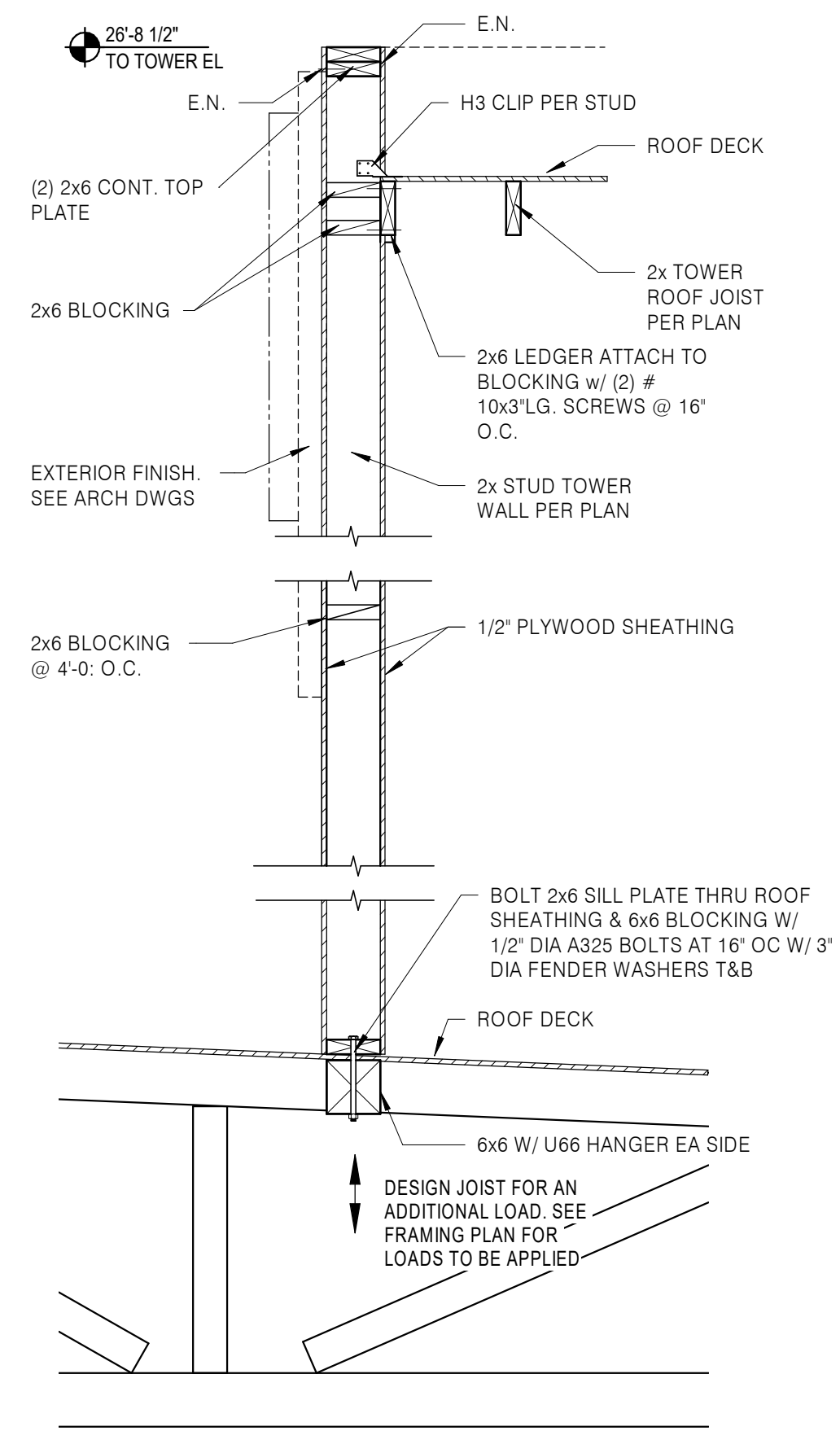
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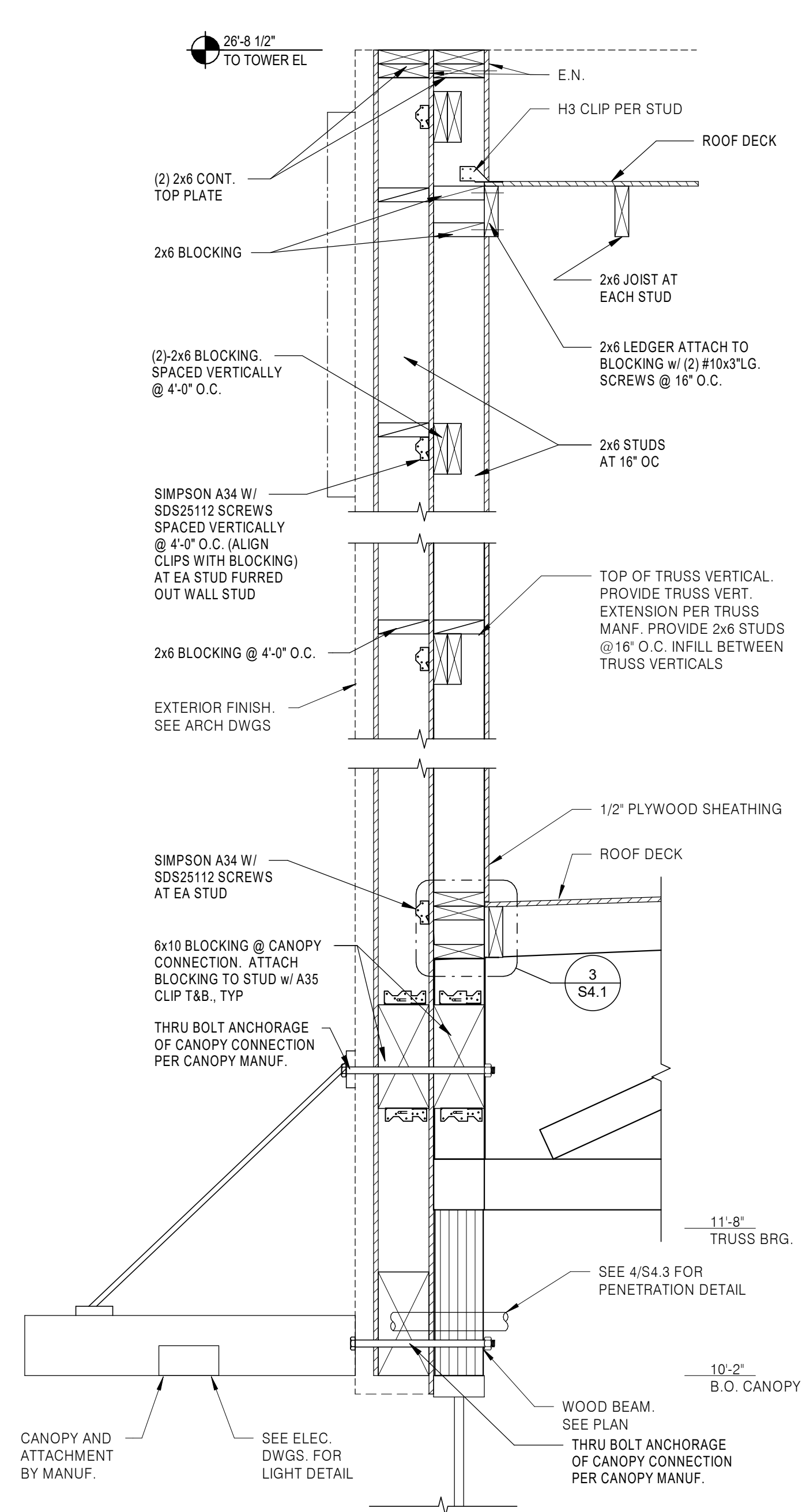
STRUCTURAL DETAILS

S4.3

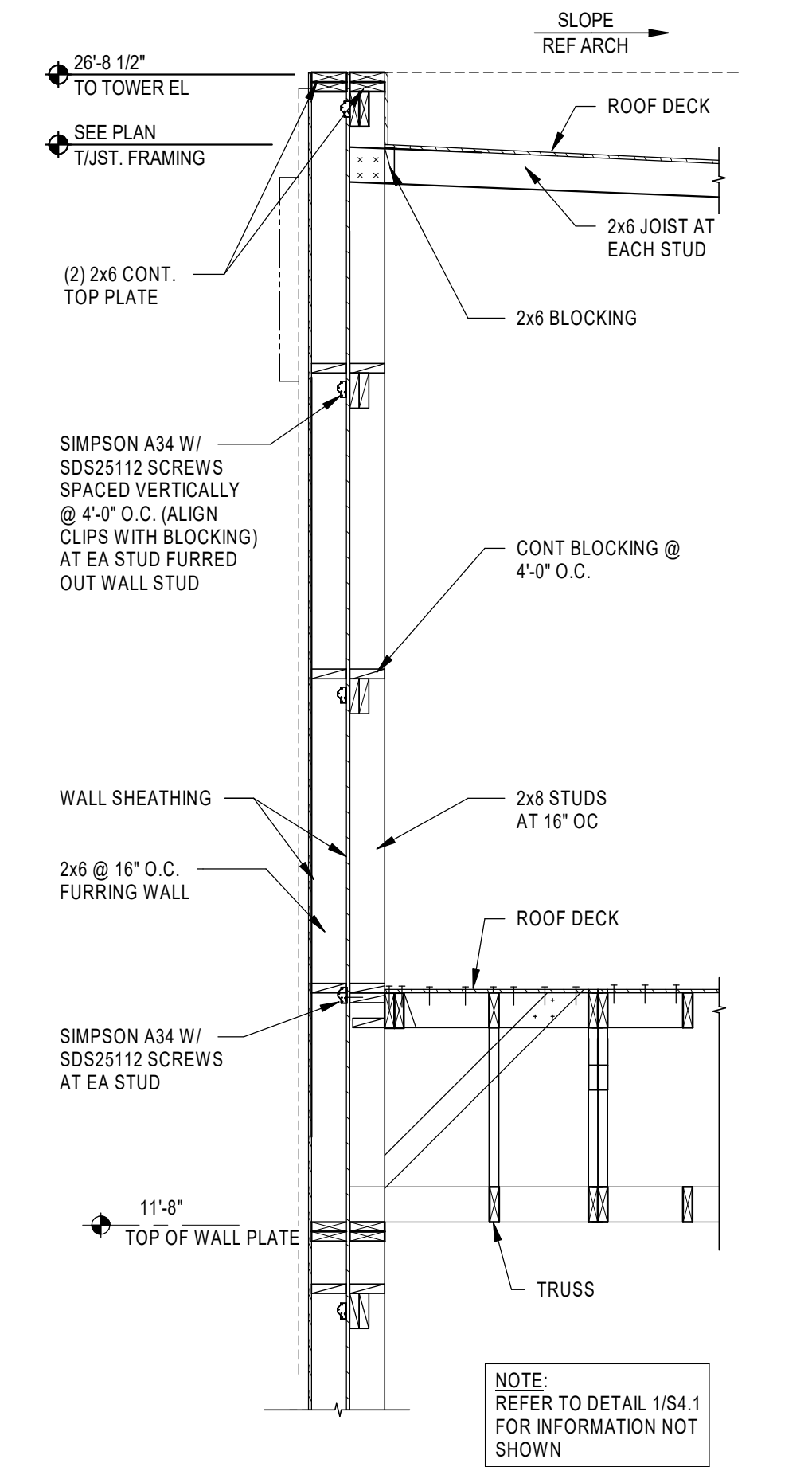
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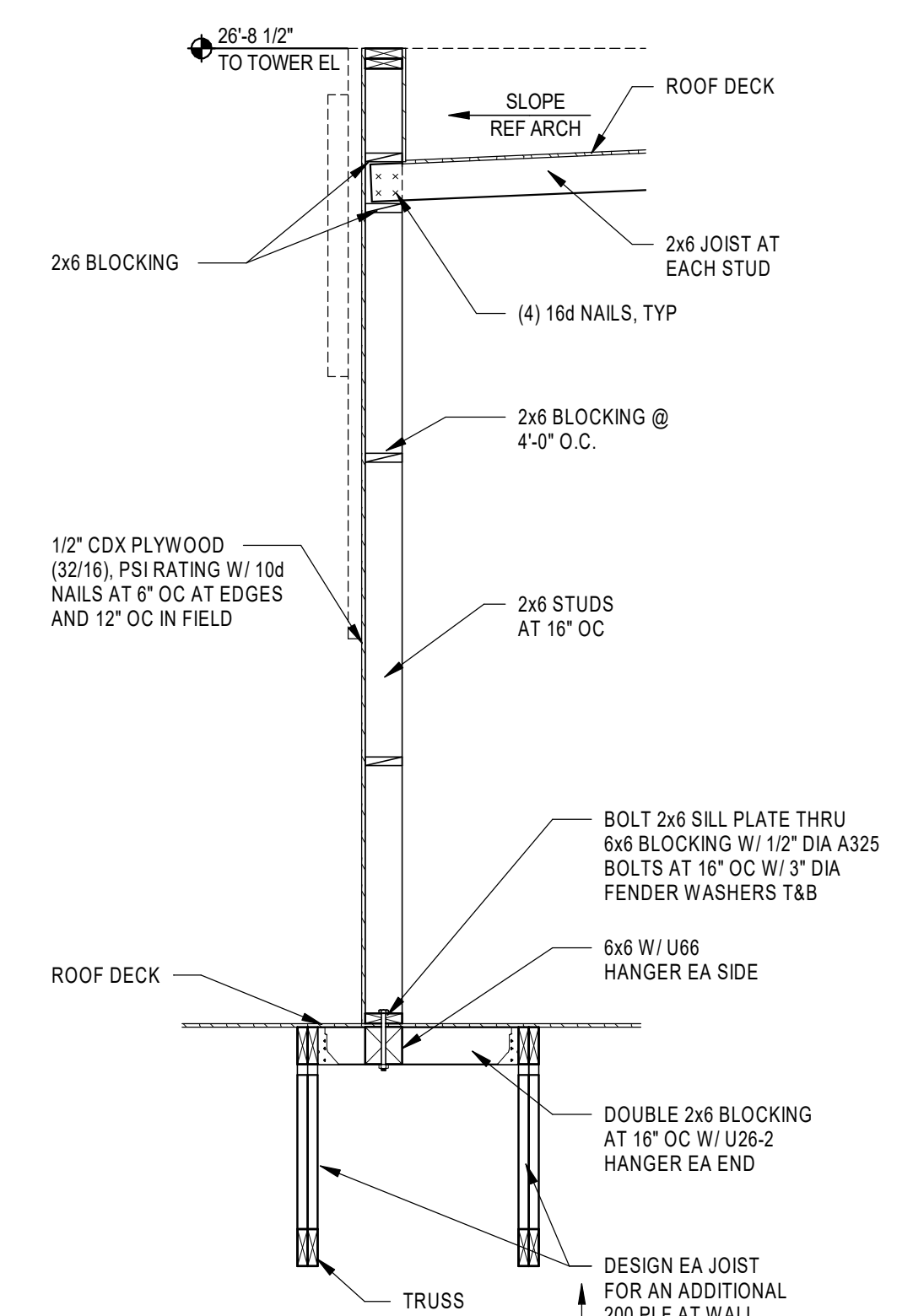
TOWER SECTION AT ROOF 3/4" = 1'-0" **4**



SECTION @ DRIVE-THRU WINDOW CANOPY 1" = 1'-0" **3**



SECTION @ TOWER FRONT 1/2" = 1'-0" **1**



TOWER WALL SECTION 1/2" = 1'-0" **2**

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STRUCTURAL SECTIONS

S4.4

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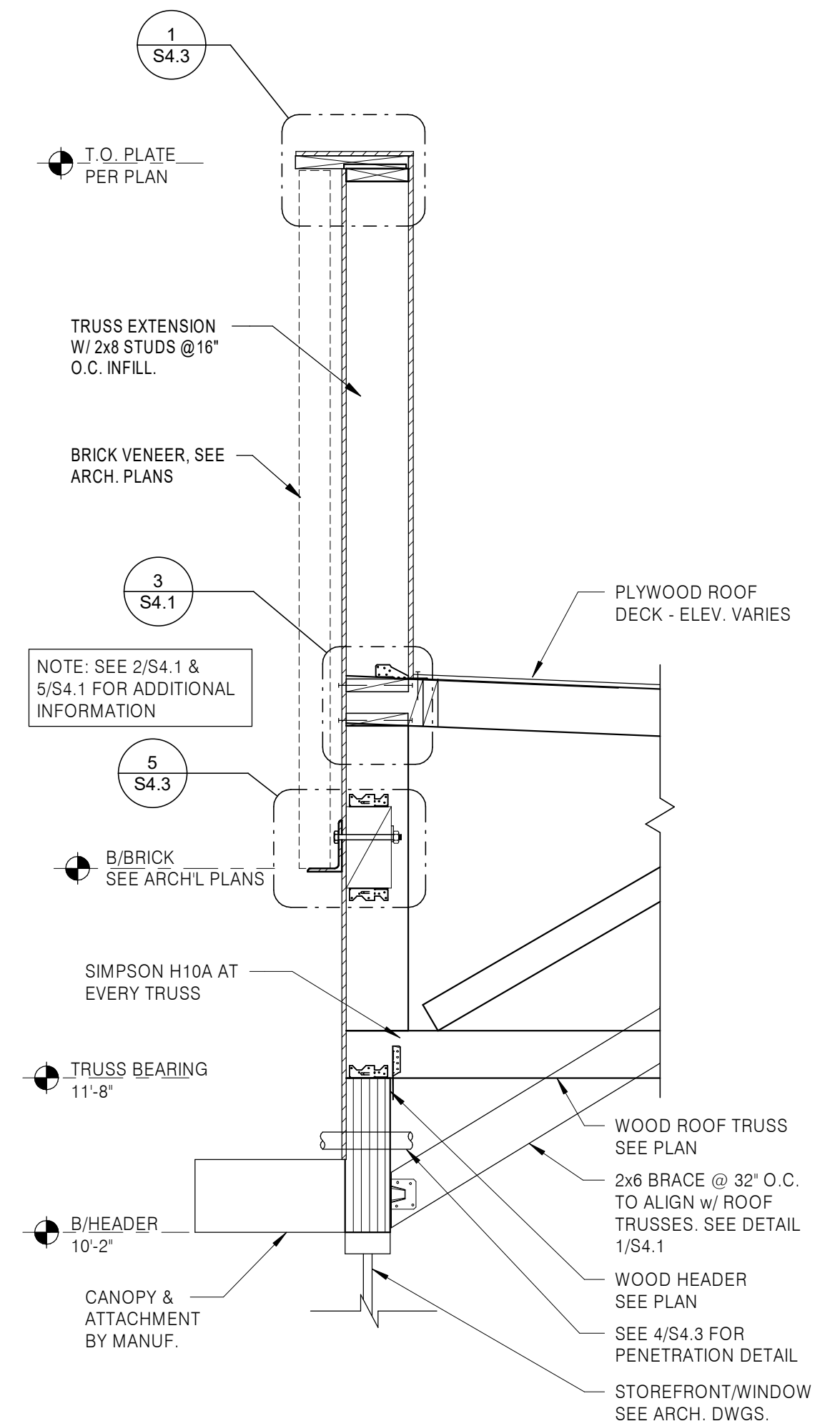


T40

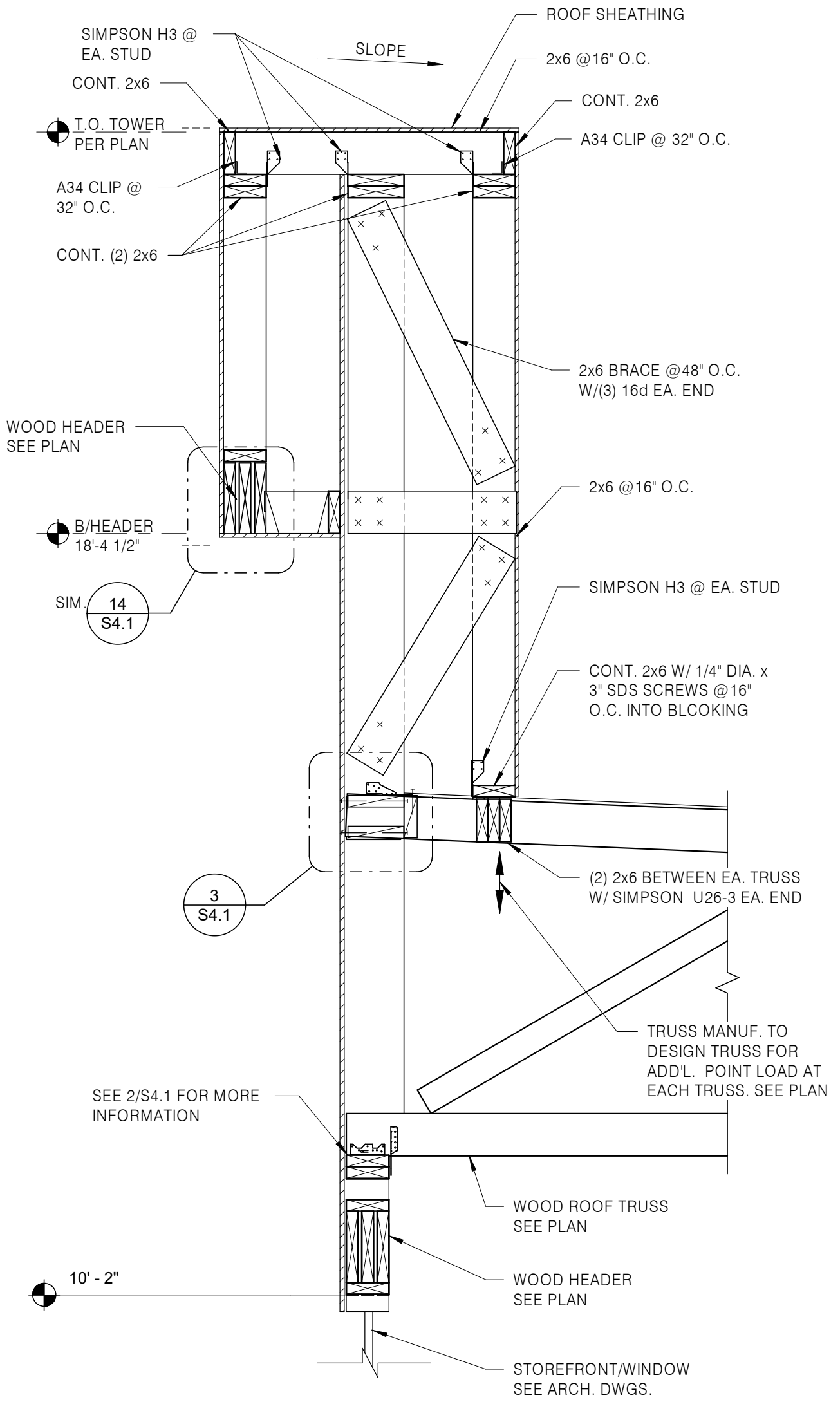
STRUCTURAL SECTIONS

S4.5

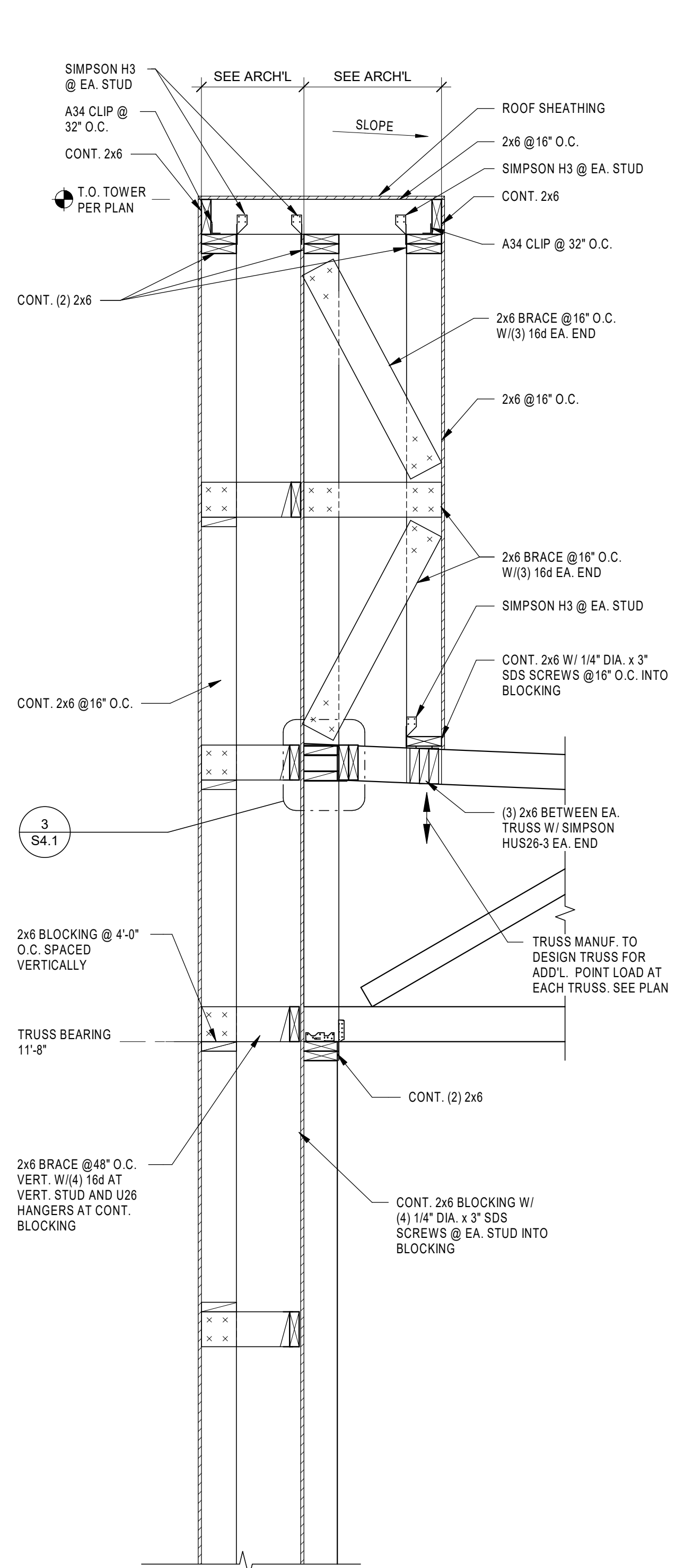
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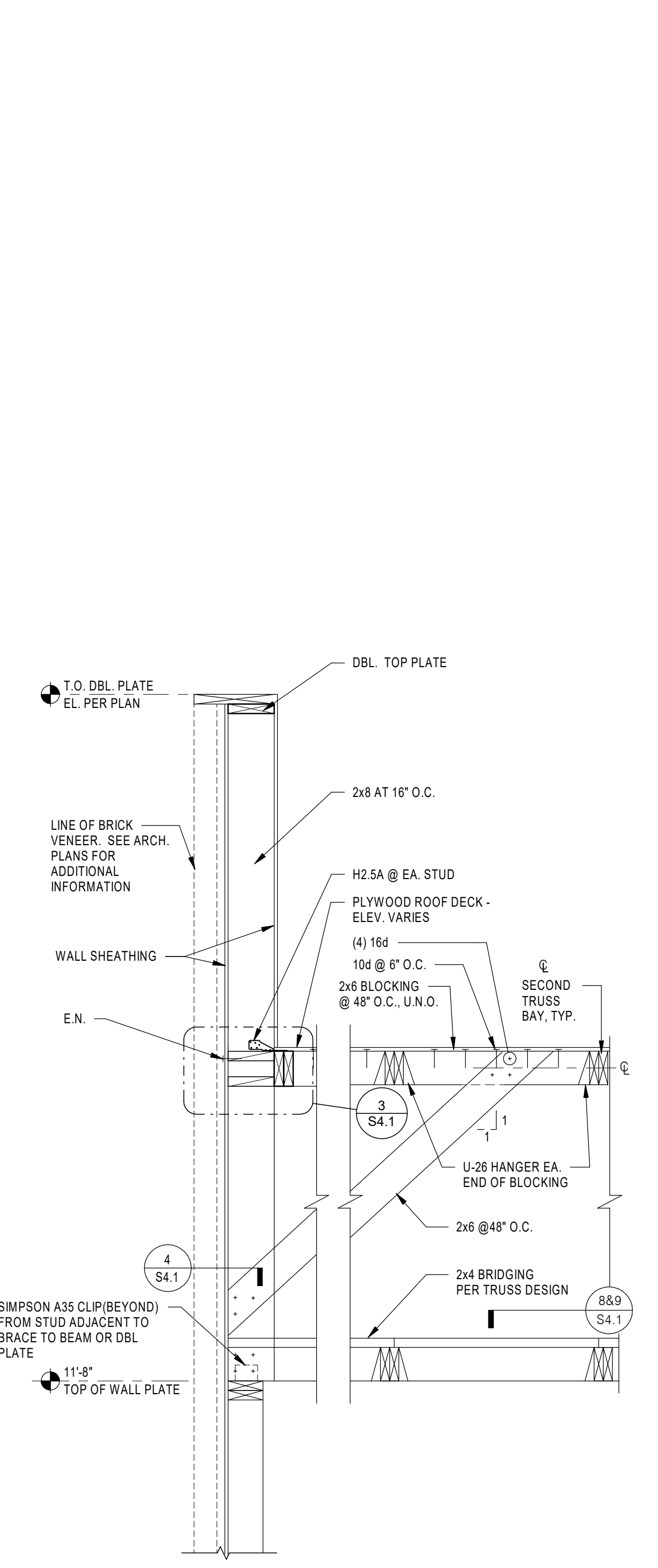
SECTION @ DINING WINDOW 3/4" = 1'-0" **1**



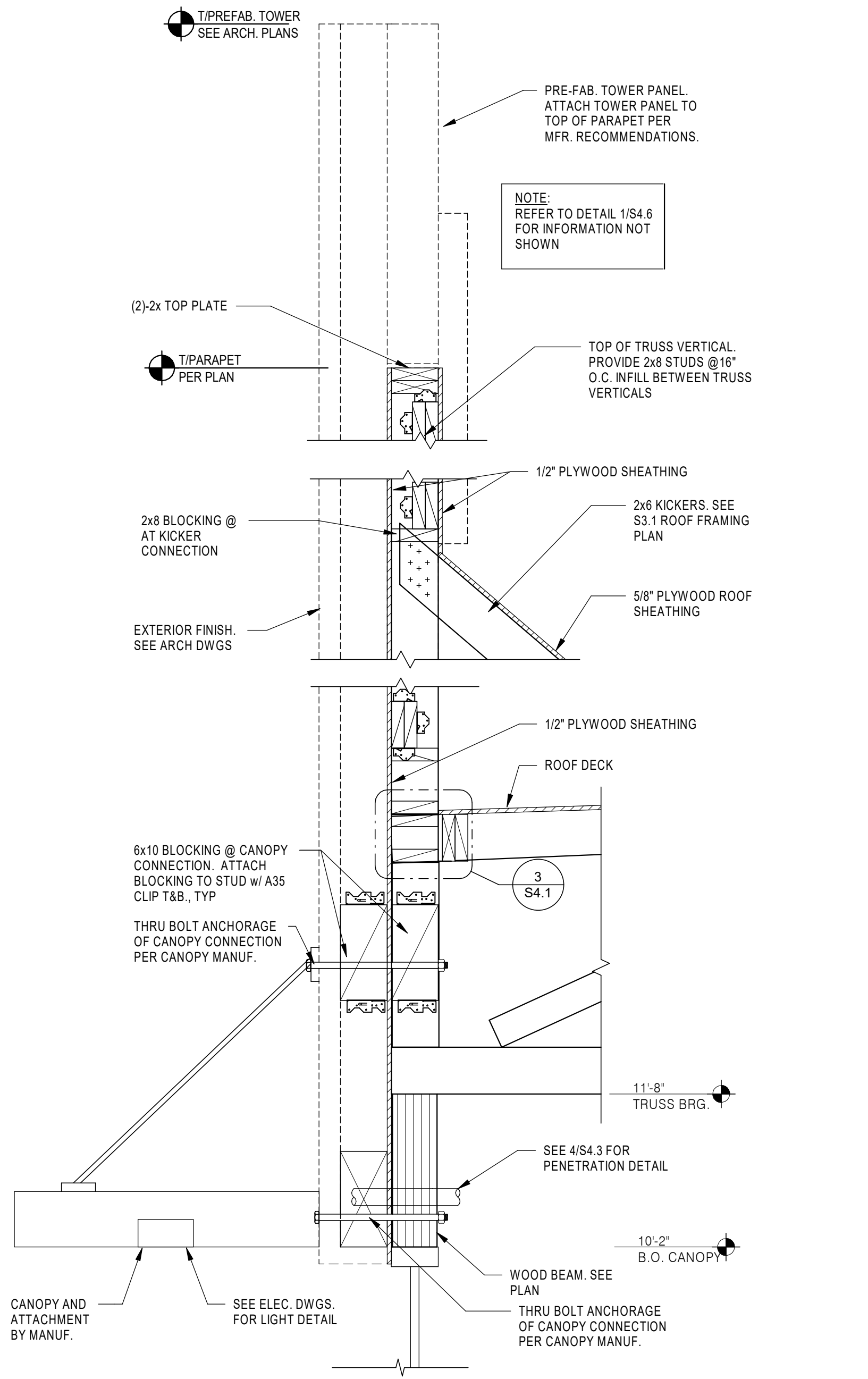
SECTION @ ENTRY DOOR 3/4" = 1'-0" **2**



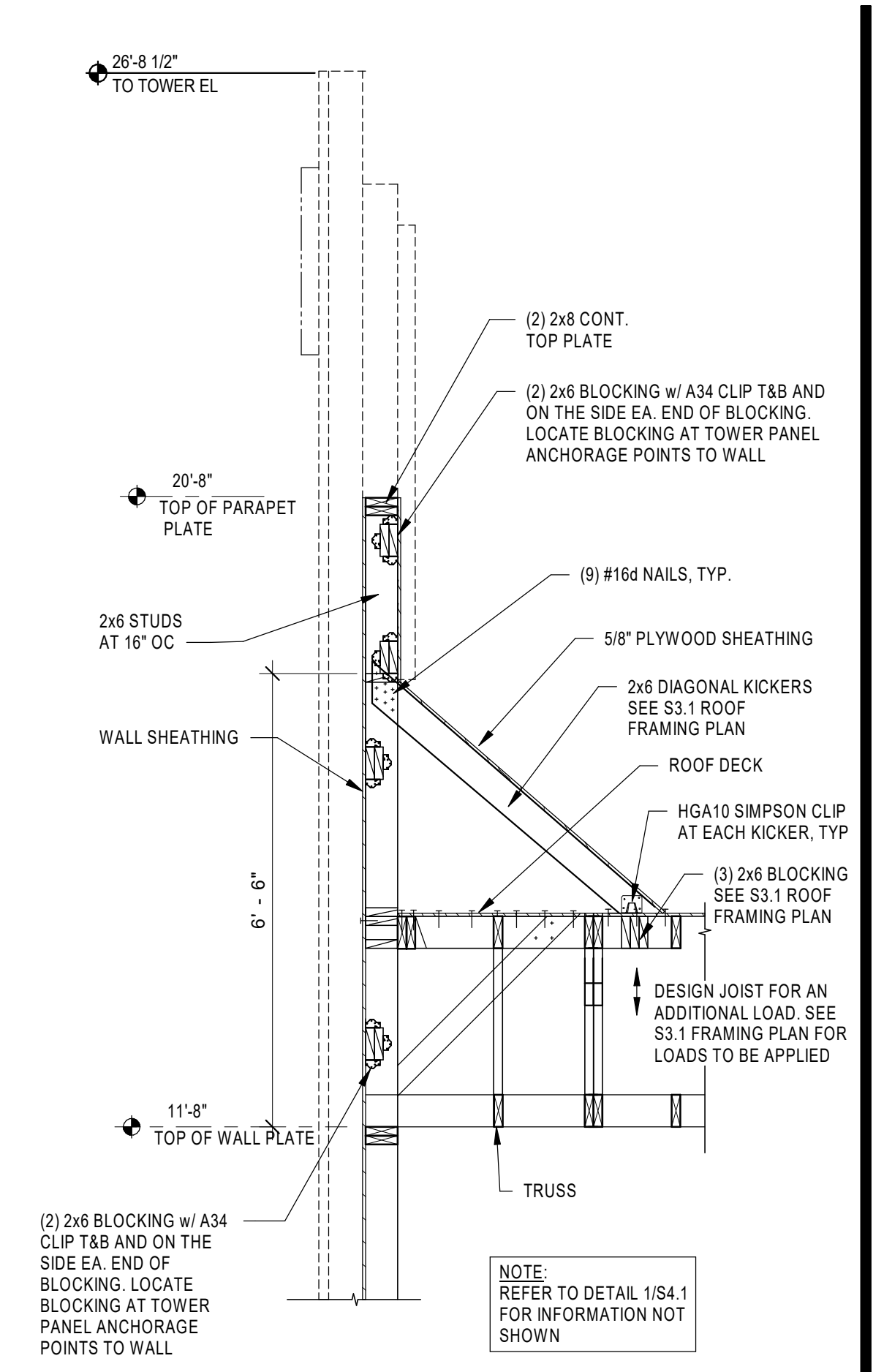
SECTION @ ENTRY PIER 3/4" = 1'-0" **3**



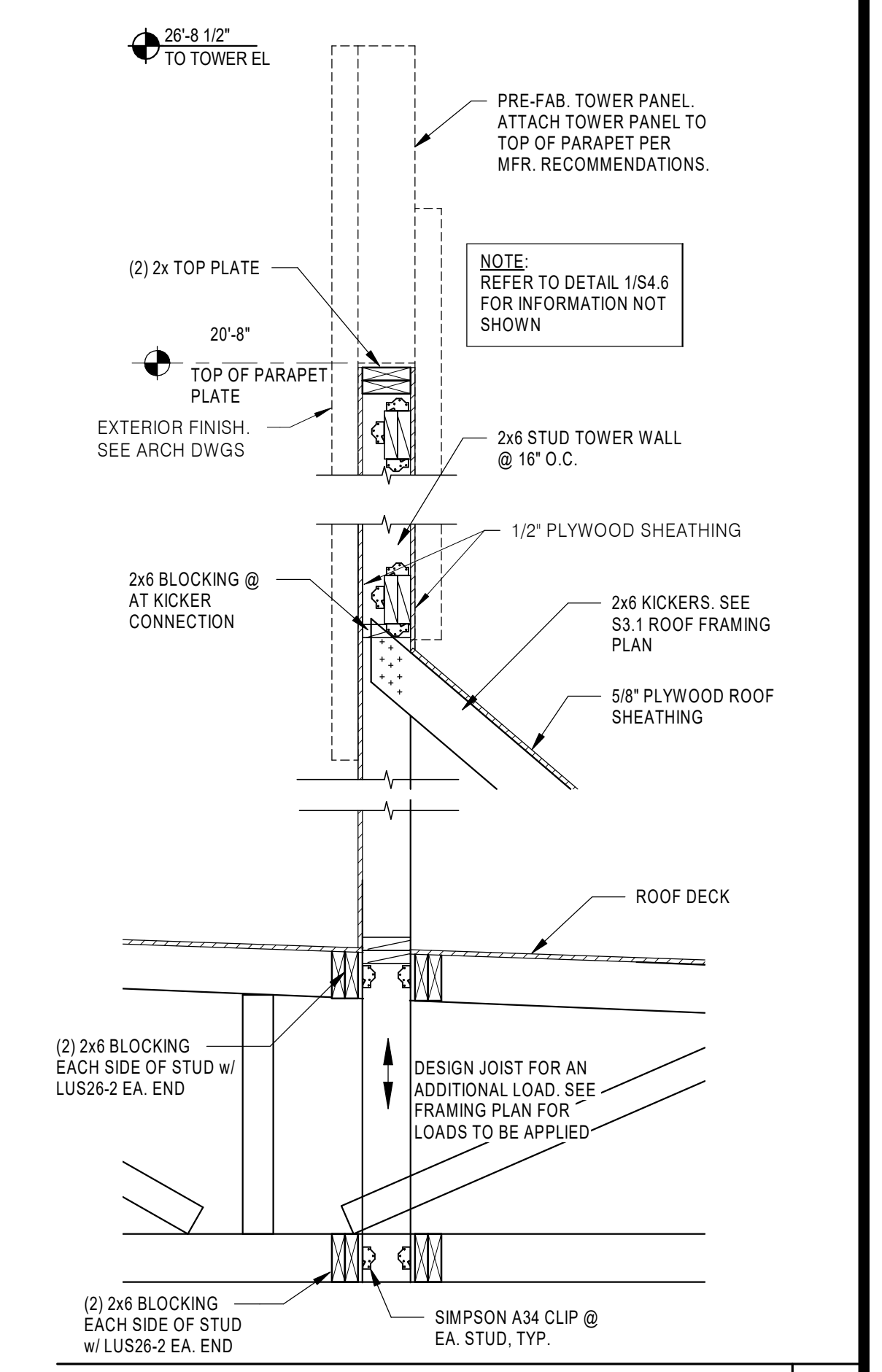
REAR WALL 3/4" = 1'-0" **4**



SECTION @ DRIVE-THRU WINDOW CANOPY - ALT. BID 1* = 1'-0" 3



SECTION @ TOWER FRONT - ALT. BID 1/2' = 1'-0" 1

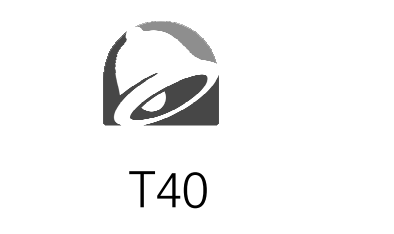


TOWER SECTION AT ROOF - ALT. BID 3/4' = 1'-0" 2

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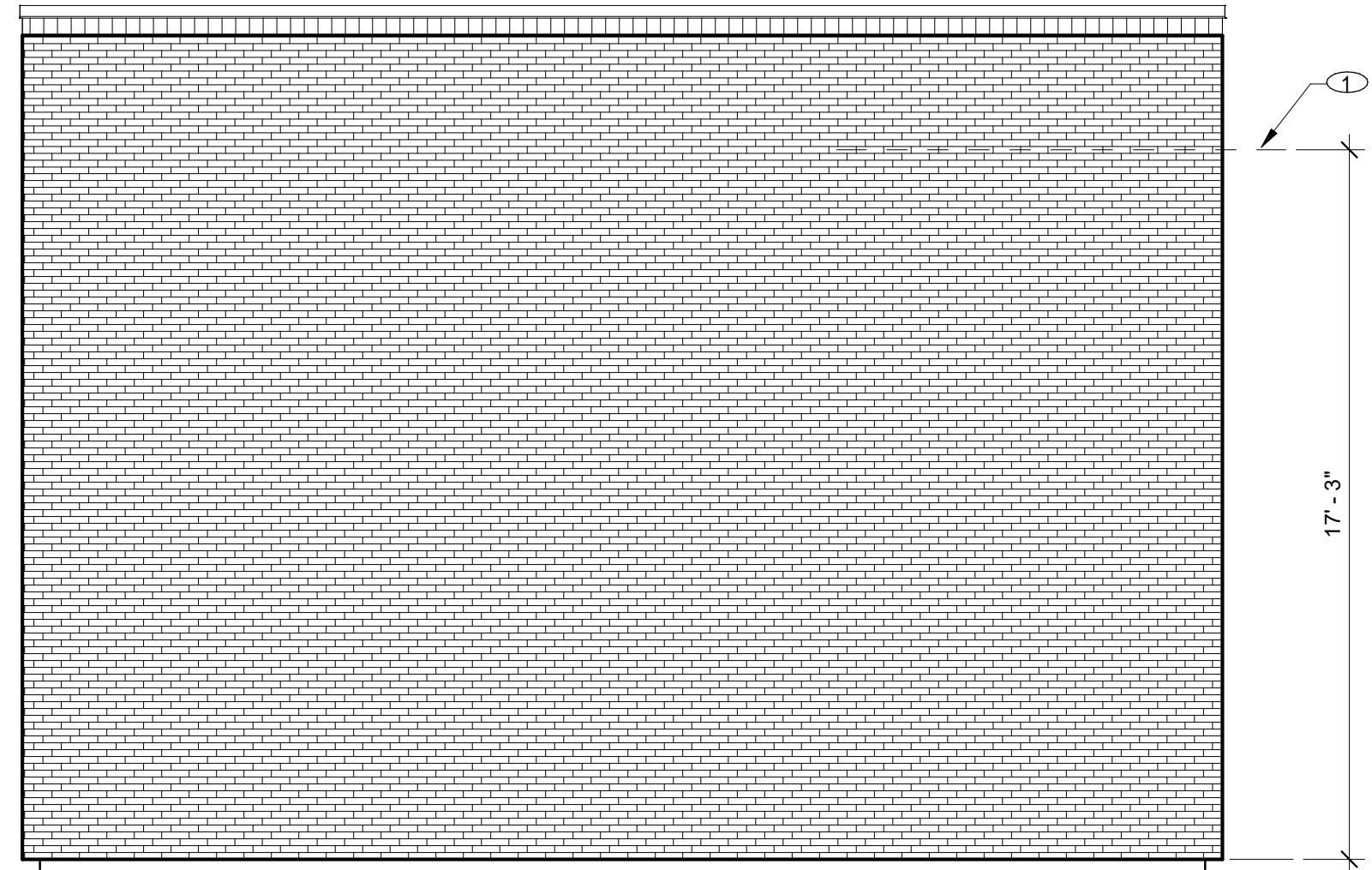
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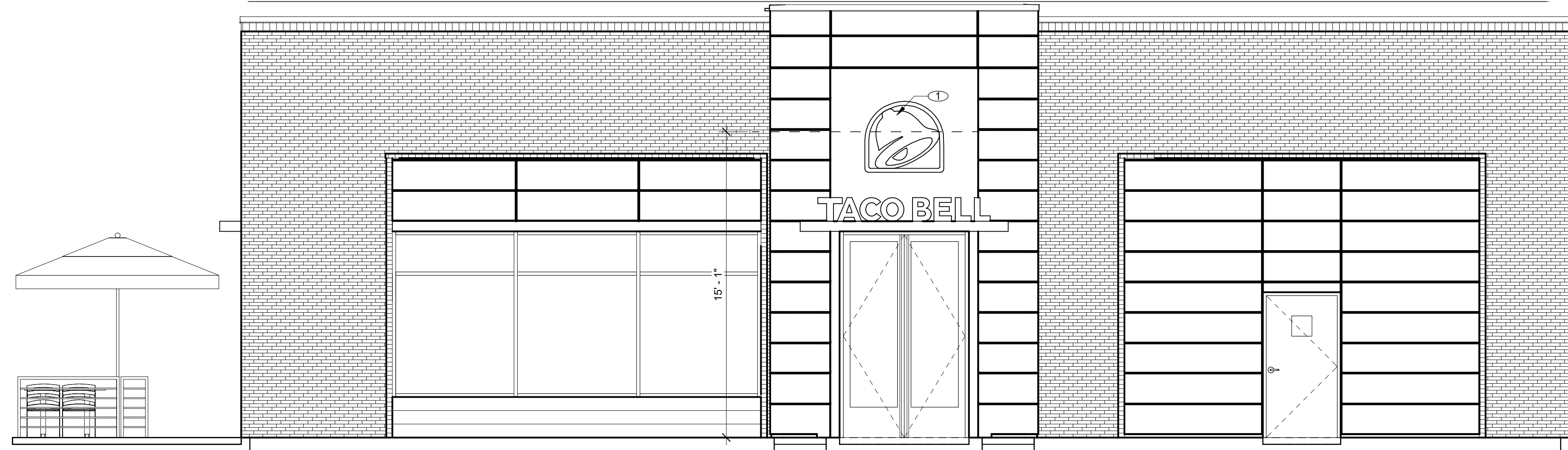
STRUCTURAL SECTIONS - ALTERNATE BID

S4.6

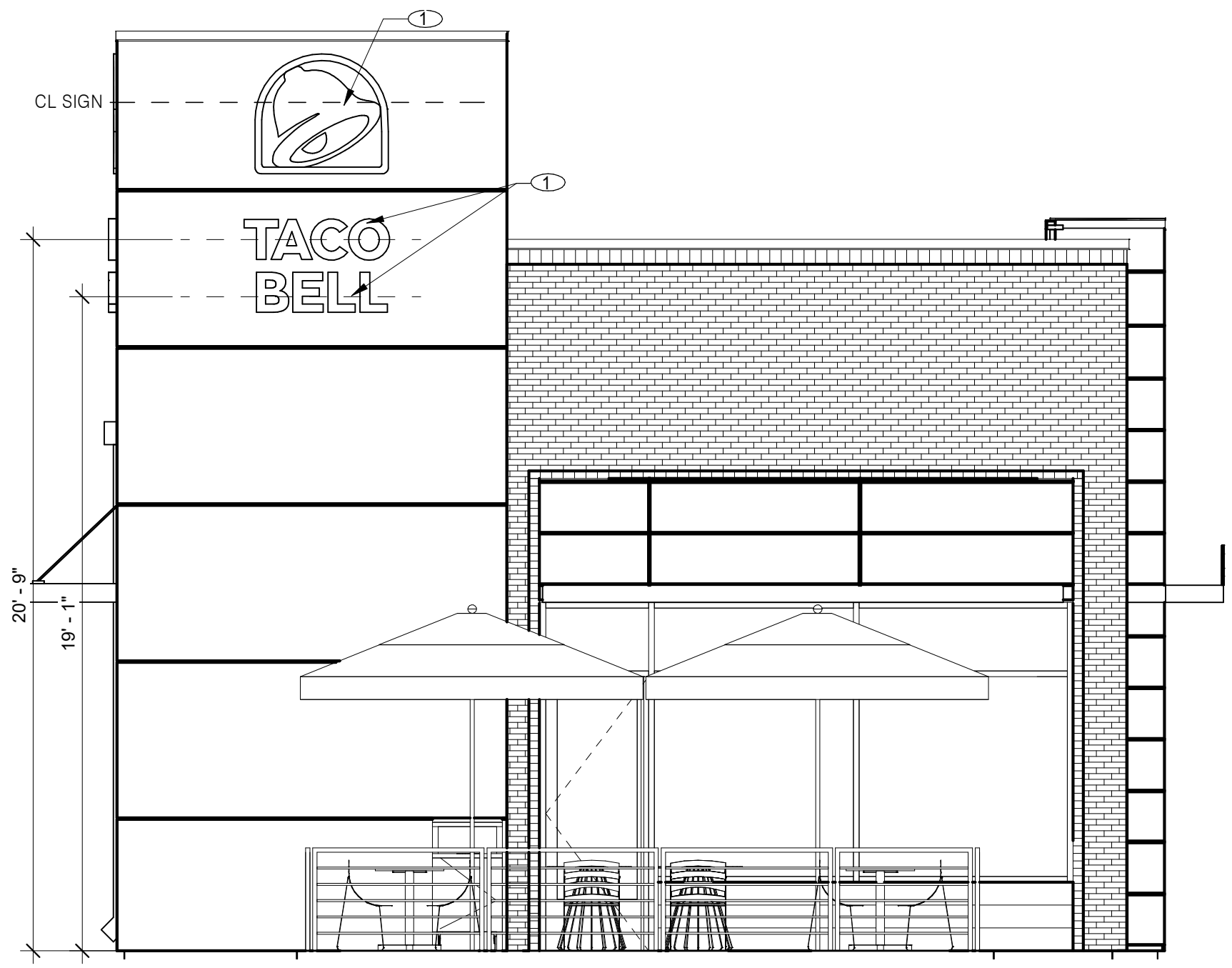
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REAR ELEVATION 1/4" = 1'-0" **E**



RIGHT SIDE ELEVATION 1/4" = 1'-0" **A**



FRONT ELEVATION 1/4" = 1'-0" **F**



LEFT SIDE ELEVATION 1/4" = 1'-0" **B**

- ① SOLID BLOCKING FOR FASTENERS AS REQUIRED FOR SIGN MOUNTING.
- ② PROVIDE BLOCKING FOR CANOPY TIE BACK. SEE DETAIL 3/S4.3

KEY NOTES **C**

1. EXTEND BLOCKING AS REQUIRED TO FIT BETWEEN STUDS.
2. ELEVATION AT BOTTOM OF CANOPIES SHALL BE 10'-2" A.F.F. (U.N.O.).
3. COORDINATE SIGNAGE ELEMENTS AND BLOCKING REQUIREMENTS WITH SIGNAGE VENDOR; SEE SCOPE OF WORK.
4. THIS SHEET IS TO INDICATE BLOCKING REQUIREMENTS FOR AWNINGS & CANOPIES. ADDITIONAL BLOCKING IS REQUIRED FOR OTHER ITEMS AS SHOWN ON OTHER DRAWINGS.

GENERAL NOTES **D**

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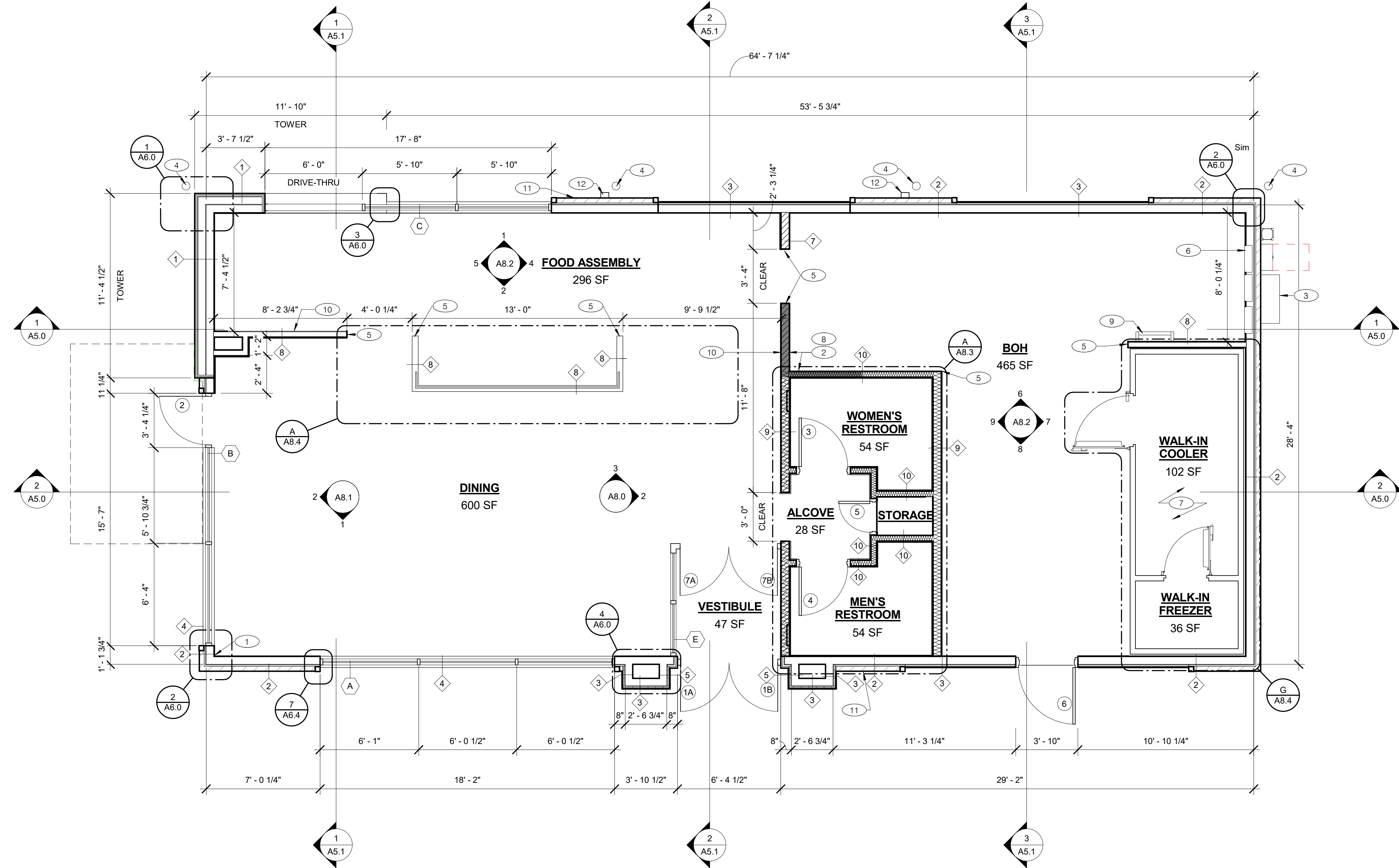


T40

**CANOPY/AWNING
BLOCKING
ELEVATIONS**

S5.0

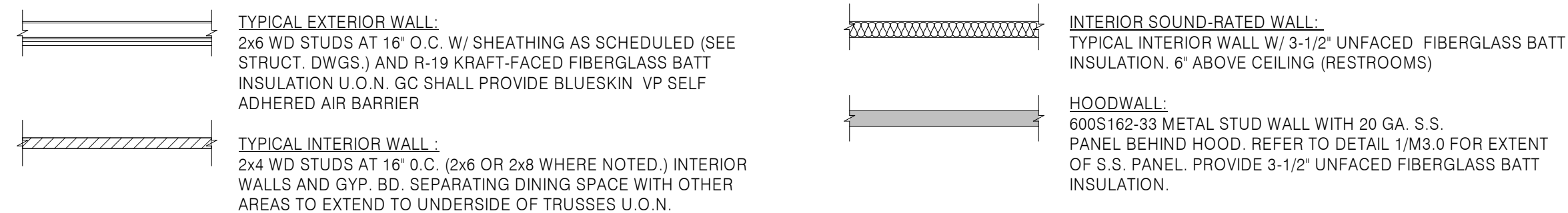
PLOT DATE: 8/21/2019 3:00:48 PM



FLOOR PLAN 1/4" = 1'-0" **A**

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WALL TYPE	LENGTH	HEIGHT	WALL ASSEMBLY	NOTE
EXTERIOR				
1	22' - 0"	26' - 9"	TOWER WALL - 2X6 WOOD FRAMING WITH R-19 KRAFT-FACED FIBERGLASS BATT INSULATION AND CORTEN STEEL PANEL ON 1" RIGID INSULATION	BASE BID; ALTERNATE BID - PREFAB CORTEN PANEL SYSTEM BY OTHERS ATTACHED TO TOWER WALL FRAMING
2	162' - 10 3/4"	20' - 8"	TYPICAL EXTERIOR BRICK WALL - 2X6 WOOD FRAMING WITH R-19 KRAFT-FACED FIBERGLASS BATT INSULATION AND BRICK VENEER ON 1/2" EXTERIOR SHEATHING AND 1" AIR SPACE	-
3	115' - 2 1/4"		TYPICAL EXTERIOR CEMENT PANEL WALLS - 2X6 WOOD FRAMING WITH R-19 KRAFT-FACED FIBERGLASS BATT INSULATION AND HARDIE REVEAL PANEL SYSTEM ON 1" Z-FURRING ON 1/2" EXTERIOR SHEATHING	VARIABLE HTS
4	41' - 1 1/2"		TYPICAL EXTERIOR WOOD WALL - 2X6 WOOD FRAMING WITH R-19 KRAFT-FACED FIBERGLASS BATT INSULATION AND RECLAIMED WOOD PANELS ON 1" Z-FURRING ON 1/2" EXTERIOR SHEATHING	VARIABLE HTS
5	2' - 10 3/4"	18' - 2 5/8"	EXTERIOR PORTAL WALL - 2X6 WOOD FRAMING WITH RECALIMED WOOD PANELS	-
INTERIOR				
7	10' - 3 1/2"	14' - 0"	TYPICAL 2X6 WOOD FRAMING INTERIOR PARTITION WALL SEPARATING DINING AND BOH AREAS	BUILD TO DECK
8	39' - 3 1/4"		TYPICAL 2X4 WOOD FRAMING INTERIOR PARTITION WALL	VARIABLE HTS
9	36' - 9 1/4"		2X6 WOOD FRAMING WITH UNFACED FIBERGLASS BATT INSULATION	VARIABLE HTS, WALLS SEPARATING RESTROOMS FROM BOH AND DINING AREAS ARE TO BE BUILT TO UNDERSIDE OF DECK
10	33' - 10"		2X4 WOOD FRAMING WITH UNFACED FIBERGLASS BATT INSULATION	VARIABLE HTS, WALLS SEPARATING RESTROOMS FROM BOH AND DINING AREAS ARE TO BE BUILT TO UNDERSIDE OF DECK



WALL LEGEND AND SCHEDULE **D**

WALL SUBSTRATES:
- DINING ROOM:
1/2" GYPSUM WALLBOARD TO 6" ABOVE CEILING OR TO UNDERSIDE OF DECK WHERE EXPOSED (NOTE: THE CEMENT BOARD SPECIFICATION IS DESIGNED TO ALLOW THE G.C. FLEXIBILITY)
- KITCHEN WALLS AND DINING ROOM CLOSET:
1/2" GYPSUM WALLBOARD FROM T.O. SLAB WITH 1/2" CDX PLYWOOD WITH /FRP SURFACE FINISH TO 6" ABOVE CEILING HEIGHT U.O.N. IF DOUBLE SIDED SHEAR WALL
PLYWOOD IS SPECIFIED THE PLYWOOD SHALL BE CONTINUOUS FROM SILL PLATE TO TOP PLATE. SEE 4 & 11 / A6.5.
- RESTROOM WALLS:
5/8" CEMENT WALLBOARD FROM T.O. SLAB TO 48" A.F.F. WITH 5/8" HI-IMPACT BRAND XP WALLBOARD, MOISTURE RESISTANT GYPSUM WALLBOARD FROM T.O. CEMENT BOARD TO 6" ABOVE CEILING HEIGHT U.O.N.. NO SUBSTITUTIONS ALLOWED. FINISH AS SCHEDULED. SEE 12 / A6.5.
- ALL OTHER FRAME WALL CONDITIONS:
1/2" CEMENT WALLBOARD FROM T.O. SLAB TO 48" A.F.F., WITH 1/2" GYPSUM WALLBOARD FROM T.O. CEMENT BOARD TO 6" ABOVE CEILING HEIGHT U.O.N. FINISH AS SCHEDULED.

DIMENSIONS:
A. ALL DIMENSIONS ARE TO FACE OF STUD U.O.N. REFER TO FOUNDATION PLAN FOR FACE OF CONC. DIMENSIONS.
B. DIMENSIONS NOTED AS "CLEAR" OR "HOLD" ARE MIN. REQ'D. NET CLEARANCE FROM FACE OF WALL / WAINSCOT FINISH. VERIFY FINAL EQUIPMENT SIZES WITH VENDOR PRIOR TO INT. WALL FRAMING.
WINDOWS / DOORS:
A. SEE SHT. A1.1 FOR WINDOW TYPES AND DOOR SCHEDULE.
B. ALL DOOR AND WINDOW OPENING DIMENSIONS ARE TO ROUGH OPENING.
FINISH SUBSTRATES:
A. PROVIDE 1/2" THICK CEMENTITIOUS BD. FROM FLOOR SLAB TO 48" A.F.F. MIN. IN LIEU OF GYP. BD. AT ALL WALLS EXCEPT SHEARWALL SURFACES, U.O.N.
B. ALL JOINTS, GAPS OR SPACES LEADING TO ALL HOLLOW OR INACCESSIBLE SPACES SHALL BE SEALED WITH "NSF INTERNATIONAL" APPROVED SEALANTS.
C. ALL BACK OF HOUSE AND OFFICE WALLS SHALL HAVE 1/2" CDX PLYWOOD SUBSTRATE, U.O.N.
GENERAL:
A. PROVIDE THREE FIRE EXTINGUISHERS - (2) 10 lb. BC and (1) 10 lb. ABC - TO COMPLY WITH LOCAL FIRE CODE. LOCATE PER DIRECTION OF FIRE MARSHALL OR LOCAL AUTHORIZING AGENT.
B. DRAWINGS ARE BASED UPON WOOD FRAMING. UTILIZATION OF METAL STUDS ON NON-BEARING INTERIOR PARTITIONS, BULKHEADS AND SOFFITS IS ACCEPTABLE.

FLOOR PLAN NOTES N.T.S. **C**

- 1 STARTING POINT. ALL SUB-TRADES SHALL USE THIS POINT AS A BEGINNING LAY-OUT (INSIDE FACE OF EXT. WALL STUDS).
- 2 HOOD WALL. SEE EQUIPMENT PLAN A2.0 AND SCHEDULE A2.1
- 3 ELECTRICAL MAIN SWITCH BOARD. REFER TO ELECT. DWGS.
- 4 PIPE BOLLARD. SEE CIVIL DRAWINGS
- 5 S.S. CORNER GUARD / WALL CAP. TYP. ALL CORNERS IN BACK-OF-HOUSE FROM REAR WALL TO THE KITCHEN SIDE OF THE SERVICE COUNTER. SEE DETAIL 12&13/A6.5
- 6 PANEL BOARDS. SEE ELECTRICAL DRAWINGS.
- 7 PRE-ENGINEERED MODULAR PANEL WALK-IN BOX (COOLER AND FREEZER). SITE ASSEMBLED. SEE EQUIPMENT PLAN A2.0
- 8 NON-COMBUSTIBLE METAL STUD CONSTRUCTION WITH TYPE 'X' GYP BOARD BEHIND HOOD. EXTEND MIN. 18" PAST HOOD ON EACH SIDE
- 9 ROOF LADDER. SEE DETAIL F/8.4
- 10 FULL HEIGHT WALL TO EXTEND TO BOTTOM OF THE ROOF DECK
- 11 HOSE BIB BOX AT 18" A.F.F. SEE DETAIL 6/A6.1
- 12 4x6" ALUMINUM DOWN SPOUTS

FLOOR PLAN KEYNOTES N.T.S. **B**

CONTRACT DATE:
BUILDING GROUP: T40M-O
FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

TACO BELL
7931 LAPEER RD
DAVISON, MI 48423

T40

FLOOR PLAN

A1.0

PLOT DATE: 8/21/2019 2:26:00 PM

- DIMENSIONS ON THIS DWG. ARE TO FRAME EDGE. REFER TO SHEETS A1.0 AND A5.0-A5.3 SHEETS FOR ROUGH OPENING DIMENSIONS.
- ALL STOREFRONT AND DRIVE-THRU WINDOW FRAMES SHALL BE DARK BRONZE. DRIVE THRU WINDOW <B-140> SHALL BE DARK BRONZE.
- ALL STOREFRONT GLAZING TO BE THERMALLY BROKEN.
- SEE SCHEDULE FOR GLASS TYPES.
- REFER TO FLOOR PLAN, ELEVATIONS AND WALL SECTIONS FOR ROUGH OPENING DIMENSIONS.
- ALL STOREFRONT MATERIAL AND GLAZING SHALL BE SUPPLIED AND INSTALLED BY G.C. U.O.N.
- ALL TEMPERED GLAZING SHALL BE IDENTIFIED BY A LABEL SPECIFYING THE LABELER, WHETHER THE MANUFACTURER OR INSTALLER, AND THE SAFETY GLAZING STANDARD WITH WHICH IT COMPLIES. THE LABEL SHALL BE ACID ETCHED, SAND BLASTED, CERAMIC FIRED, OR AN EMBOSSED MARK, WHICH ONCE APPLIED CANNOT BE REMOVED WITHOUT BEING DESTROYED.

- LAMINATE DOORS 3, 4, & 5 AND PAINT FRAMES 3, 4, & 5. SEE FINISH SCHEDULE SHEET A7.2.
- ALL HARDWARE SHALL BE US32D U.O.N.
- ALL HM FRAMES SHALL BE 16 GA STEEL U.O.N.
- ALL LOCKS SHALL BE FALCON 6 PIN INTERCHANGEABLE CORE SUPPLIED AND INSTALLED BY THE G.C. ALL EXTERIOR LOCKS SHALL BE PROVIDED WITH CONSTRUCTION CORES. ALL PERMANENT CORES SHALL BE KEYPED ALIKE. PERMANENT CORES SHALL BE SHIPPED TO THE RESTAURANT GENERAL MANAGER.
- MOUNT DOOR CLOSERS ON RESTROOM OR KITCHEN SIDE ONLY.
- COMPLETE DOOR, FRAME AND HARDWARE PACKAGE INCLUDING: VISION PANEL (WITH 18 GA. HOLLOW METAL FRAME), CONTINUOUS HINGE, HEAVY DUTY CLOSER, RAIN DRIP, DOOR BOTTOM/ SWEEP, WEATHERSTRIP, KICKPLATE AND PANIC HARDWARE. PROVIDED BY RSCS FACILITIES CONNECTIONS.
- PROVIDE PUSH/ PULL PLATES. IF REQUIRED BY LOCAL CODE, STOREFRONT DOOR PANIC HARDWARE SHALL BE : DOOR-O-MATIC 2092 RM PANIC HARDWARE AND EXTERIOR PULLS WITH QUALITY #520 DOOR PULL.
- MOUNT KICKPLATE ON PUSH SIDE ONLY.
- MAXIMUM DOOR OPERATING PRESSURE : 5 LBS INTERIOR : 15 LBS EXTERIOR.
- ADA COMPLIANT ACCESSIBILITY SIGNAGE WHERE REQUIRED (OR AS REQUIRED BY LOCAL JURISDICTION) - (1) MEN; (1) WOMEN; (3) EXIT
- INSTALL WITH REMOVABLE DOOR STOPS AND WEATHER STRIPS.
- PROVIDE LATCH AND STRIKE PLATE HARDWARE BY DOOR MFR. TO BE COMPATIBLE WITH LOCKS.
- PROVIDE MANUFACTURERS INTEGRAL ASTRAGAL
- GC TO TRIM DOOR SWEEP TO FIT DOOR

NATIONAL ACCOUNT SUPPLIER

INTERIOR DOORS, FRAMES & HARDWARE

LOCKNET
CONSTRUCTION@LOCKNET.COM
800 JOHN C WATTS DRIVE
NICHOLASVILLE, KY 40356
800-887-4307 FAX : 859-887-4958

GLASS SCHEDULE

- (A) 1" INSULATED GLASS
- (B) 1" INSULATED TEMPERED GLASS
- (C) 1/4" TEMPERED GLASS
- (D) SAFETY GLASS BY MFR.
- (E) 1" TINTED GLASS - 3M WINDOW FILM PRESTIGE PR70

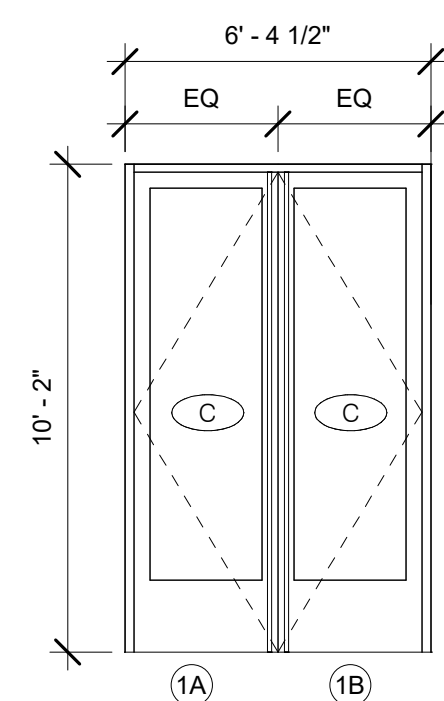
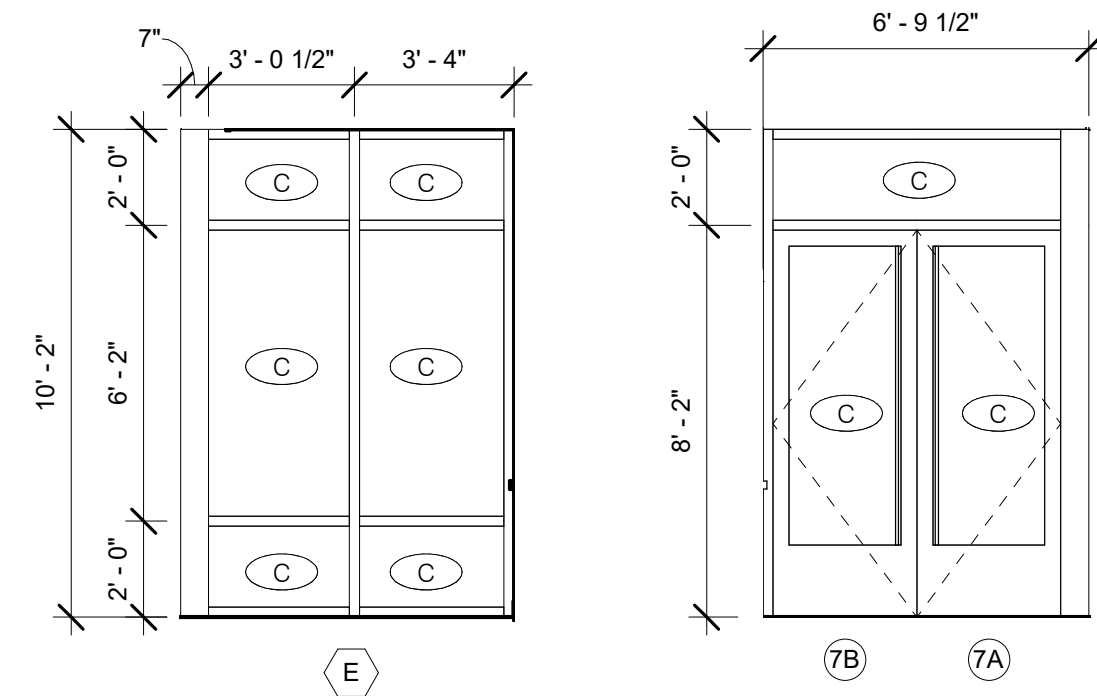
NOTE:
SHADING COEFFICIENT SPECIFICATION PER LOCAL CODE REQUIREMENTS.
DAYTIME VISIBILITY INTO DINING ROOM SHALL BE MAINTAINED.
**** ALL STOREFRONT GLAZING SHALL BE LOW 'E' SOLAR GLASS ****

NOTES

4

DOOR SCHEDULE NOTES

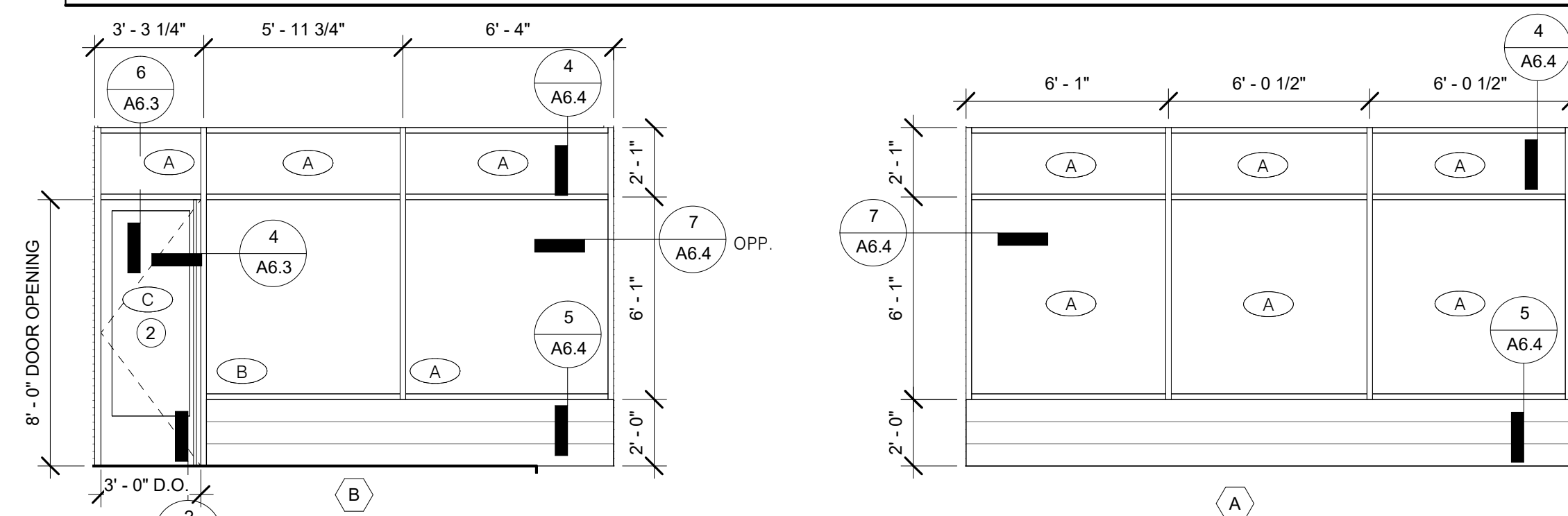
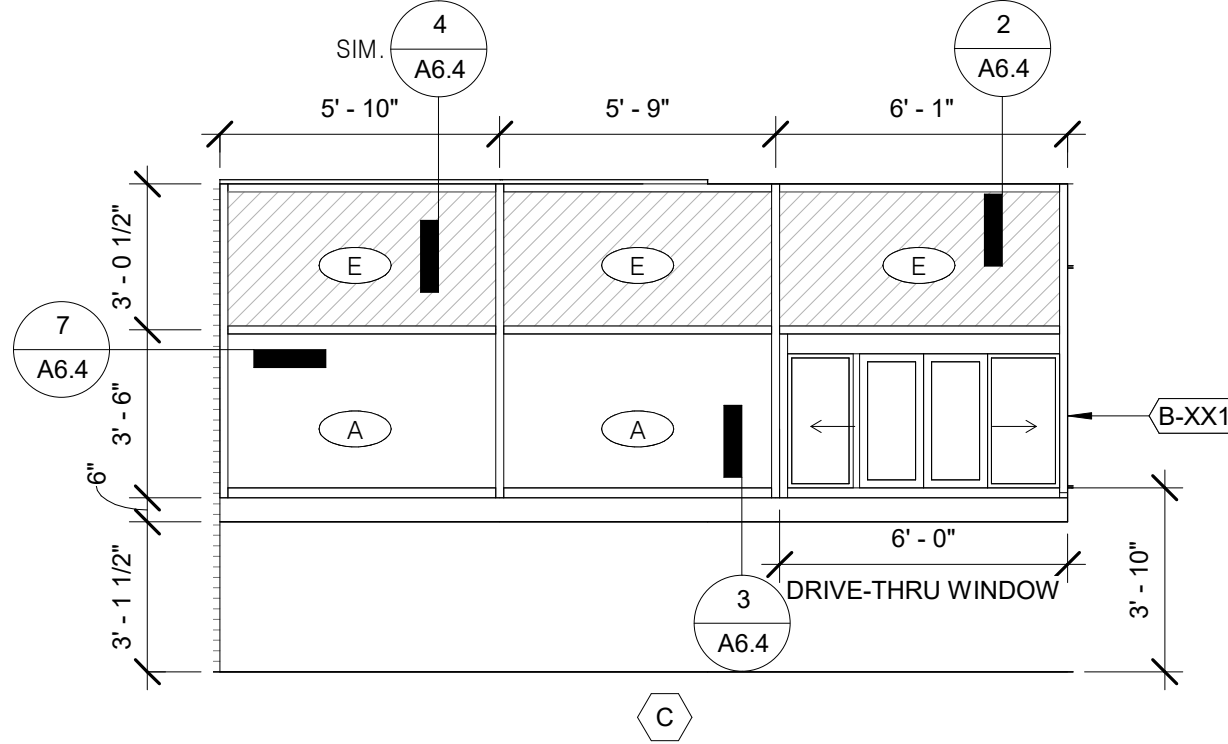
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DOOR NO.	NAME	DOOR SIZE			TYPE	DOOR FRAME	DOOR	ONE PAIR OFFSET PIVOTS PER DR. MFR., TOP & BTM	BUTTS	LOCKS	CLOSERS	KICKPLATE	THRESHOLD	DOOR STOP	MISCELLANEOUS				DOOR NOTES			
		WIDTH	HEIGHT	THICKNESS											X	X	X	X		X	X	X
1A	ENTRY	3'-0"	10'-0"	0'-1 3/4"	A	AL	AL	X													DOOR AND FRAME - DARK BRONZE FINISH - 4, 5, 7, 8, 10, 13, 14, 15	
1B	ENTRY	3'-0"	10'-0"	0'-1 3/4"	A	AL	AL	X														DOOR AND FRAME - DARK BRONZE FINISH - 4, 5, 7, 8, 10, 13, 14, 15
2	DINING	3'-0"	8'-0"	0'-1 3/4"	A	AL	AL	X														DOOR AND FRAME - DARK BRONZE FINISH - 4, 5, 7, 8, 10, 13, 14, 15
3	MENS RESTROOM	3'-0"	6'-8"	0'-1 3/4"	C	WD	HM															L-4 LAMINATE FINISH - 1, 2, 3, 4, 6, 9, 10, 11
4	WOMENS RESTROOM	3'-0"	6'-8"	0'-1 3/4"	C	WD	HM															L-4 LAMINATE FINISH - 1, 2, 3, 4, 6, 9, 10, 11
5	MOP SINK CLOSET	1'-11"	6'-8"	0'-1 3/4"	D	2																L-4 LAMINATE FINISH - 1, 2, 3, 10
6	BOH	3'-6"	7'-0"	0'-1 3/4"	B	HM	HM		X	X	X											3, 6, 7, 10, 15
7	ACCESS HATCH	2'-6"	4'-0"	0'-1"	-	AL	AL															1" FLANGE - SCREWDRIVER CAM LATCH
7A	VESTIBULE DOOR	3'-0"	8'-0 3/4"	0'-1 3/4"	A	AL	AL	X														DOOR AND FRAME - DARK BRONZE FINISH - 4, 5, 7, 8, 10, 13, 15
7B	VESTIBULE DOOR	3'-0"	8'-0 3/4"	0'-1 3/4"	A	AL	AL	X														DOOR AND FRAME - DARK BRONZE FINISH - 4, 5, 7, 8, 10, 13, 15

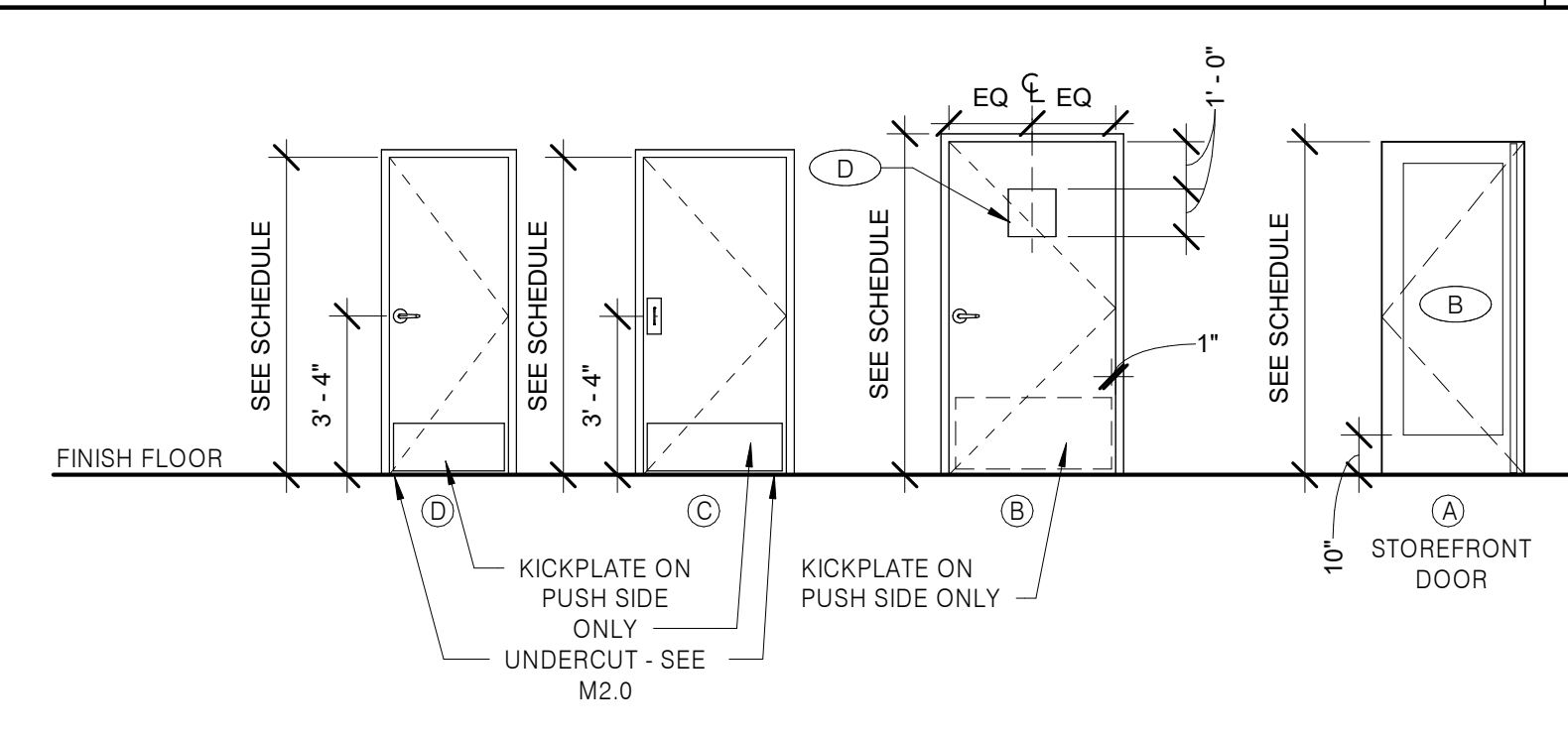
DOOR SCHEDULE 1/4" = 1'-0"

2



WINDOW TYPES 1/4" = 1'-0"

5



DOOR TYPES

3

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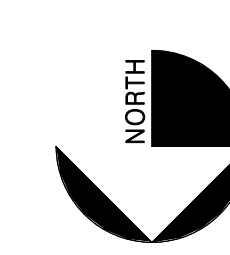
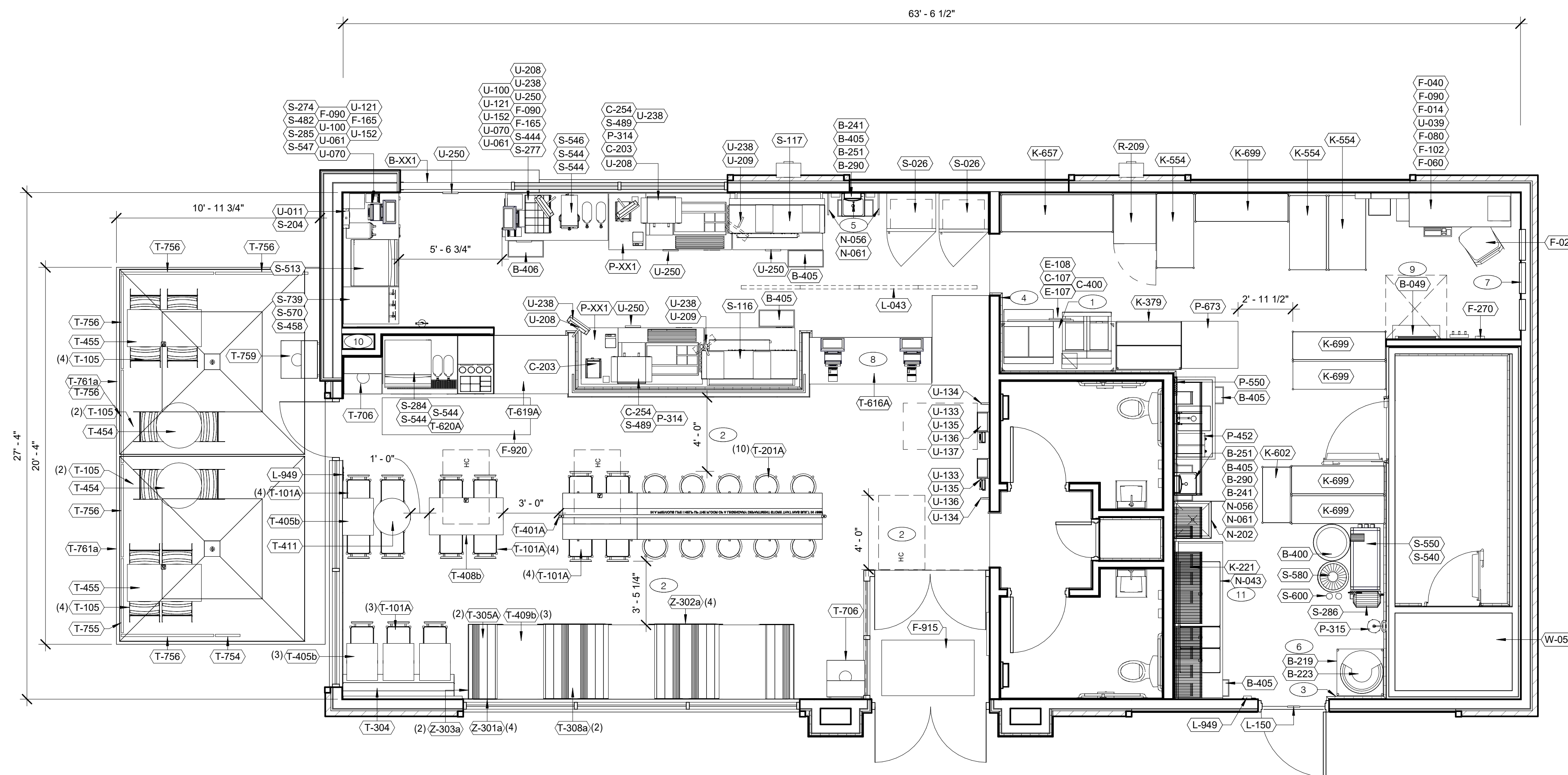
CONTRACT DATE:
BUILDING GROUP: T40M-O
FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

TACO BELL
7931 LAPEER RD
DAVISON, MI 48423

T40

DOOR AND WINDOW SCHEDULE

A1.1



SEATING AND EQUIPMENT PLAN 1/4" = 1'-0" **A**

SYMBOL	COUNT	DESCRIPTION	SYMBOL	DESCRIPTION	NOTE
T-101A	15	CHAIR - WOOD SEAT/ METAL BACK	G-316	TACO TYPOGRAPHY INTERIOR WALL MURAL (72")	G-316-X-00-12X72
T-201A	10	29" BARREL BARSTOOL	G-261	SAUCE CUP BELL PATTERN	G-261-X-01-28X40
T-304	1	6" BENCH	G-322	CAMO PURPLE INTERIOR WALL MURAL	G-322-X-00-12X72
T-305A	2	BANQUETTE SEATS			
T-308a	2	48" DOUBLE BOOTH - WOOD SEAT / WOOD BACK			
T-401A	1	14" HUB TABLE ADA - RECLAIMED WOOD			
T-405b	4	24" X 20" TABLE TOP AND CROSS BASE			
T-408b	1	24" X 48" TABLE TOP AND BASE - ADA			
T-409b	3	30" X 48" TABLE TOP AND BASE			
T-411	1	24" DIA TABLE TOP AND CROSS BASE			
T-616A	1	POS COUNTER BY IDX			
T-619A	1	HAND-OFF PLAN 48"			
T-620A	1	SAUCE AND SODA COUNTER			
T-706	2	SINGLE TRASH RECEPTACLE			
Z-301a	4	SINGLE REVERSIBLE BOOTH END PANEL			
Z-302a	4	DOUBLE REVERSIBLE BOOTH END PANEL			
Z-303a	2	BACK PANEL			
T-105	12	EXTERIOR ALUMINUM CHAIR			
T-454	2	INTERLACE DINING TABLE BY KIAN			
T-455	2	RECTANGULAR DINING TABLE			
T-759	1	SINGLE TRASH RECEPTACLE			
T-761a	2	TUCCI 10x10 BAY MASTER MAX UMBRELLA			

FURNITURE AND SEATING SCHEDULE **E**

ARTWORK SCHEDULE **D**

SQUARE FOOTAGES:		SEATING:	
FOH	784 SF	INTERIOR	40
BOH	909 SF	EXTERIOR	12
TOTAL	1,693 SF	*TOTAL	62

* SEATING COUNTS MAY VARY DEPENDING ON THE PATIO OPTION SELECTED.

STORAGE TYPE	REQUIRED	PROVIDED
DRY	46 LF	46 LF
COLD	25 LF	25 LF
FROZEN	10 LF	10 LF

GENERAL INFORMATION N.T.S. **C**

- 1 HOOD FIRE SUPPRESSION SYSTEM (ANSUL R-102 OR EQUAL)
- 2 MAINTAIN 36" MIN CLEAR AISLE EGRESS PATHS TO EXIT DOORS
- 3 BACKFLOW PREVENTER, SEE PLUMBING DRAWINGS/BACKFLOW PREVENTER, SEE PLUMBING DRAWINGS
- 4 ALERT LIGHT BOX FOR 3-COMP POWER SOAK
- 5 SPLASH GAURD.
- 6 6" HIGH WATER HEATER PLATFORM
- 7 ELECTRIC PANELS
- 8 SAFE
- 9 ROOF LADDER
- 10 6" PVC IN CHASE AND THRU CEILING FOR SYRUP LINES
- 11 POWER SOAK SINK SHOWN ON PLANS IS STILL IN TESTING PHASE AND IS FOR DISPLAY PURPOSES ONLY. REFER TO TACOBELLPLANS.COM FOR INFORMATION ON LAYOUT AND SPECIFICATIONS OF STANDARD POWER SOAK SINK. CONSULT WITH YOUR BRAND DESIGNER FOR ADDITIONAL INFORMATION

SEATING PLAN KEYNOTES N.T.S. **B**

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CONTRACT DATE:
BUILDING GROUP: T40M-O
FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

TACO BELL
7931 LAPEER RD
DAVISON, MI 48423



SEATING AND EQUIPMENT PLAN

A2.0

PLT DATE: 8/21/2019 2:26:21 PM

EQUIPMENT SCHEDULE

Type Mark	G.C. Install	Count	Description	Gas	Elec	Manufacturer	Plumb	Comments
B CONTRACTOR BUILDING ELEMENTS								
B-049	X	1	ROOF LADDER			PRECISION #FL184		15'-4" W/ 8" EXTENSION
B-050	X	1	ROOF HATCH			PRECISION LADDER #PH-G2-6"X3'-0"		2'-6" X 3'-0" CLEAR OPENING
B-160	X	1	FLY FAN			Black,Mars #LVP25-1UA,25",1/6 HP,115V Lopro Series		
B-219	X	1	WATER HEATER DUNNAGE RACK	X		NEW AGE INDUSTRIAL CORP., INC #98147	X	
B-223	X	1	GAS WATER HEATER 98% HIGH EFFICIENCY 120 MBH, 60 GALLON			A. O. SMITH BTH 120 60 CYCLONE HE		
B-241	X	4	SOAP DISPENSER (WALL MOUNT)			KAY 3741		PROVIDED BY ECOLAB
B-251	X	4	SANITIZER DISPENSER (WALL MOUNT)			KAY 3741		PROVIDED BY ECOLAB
B-253	X	2	PAPER TOWEL DISPENSER / TRASH 12 GALLON			BOBRICK #B-3944		
B-265	X	2	MIRROR, 18" x 36"			BOBRICK #B-165-1836		
B-275	X	2	TOILET PAPER DISPENSER			BOBRICK #B-2890		
B-290	X	2	PAPER TOWEL DISPENSER			BOBRICK #B-262		
B-300	X	2	GRAB BAR 1-1/2" DIA. x 36" S.S. FIN.			BOBRICK #B6806X36		
B-305	X	2	GRAB BAR 1-1/2" DIA. x 42" S.S. FIN.			BOBRICK #B6806X42		
B-310	X	2	GRAB BAR VERTICAL 1-1/2" DIA. x 18" S.S. FIN.			BOBRICK #B6806X18		
B-400	X	1	WASTE BASKET - 32 GALLON			RUBBERMAID #2632 (GREY)		
B-405	X	6	WASTE BASKET			RUBBERMAID SLIM JIM #3541 (GREY)		
B-406	X	1	WASTE BASKET			RUBBERMAID 28 QT #2956 (BLACK)		
B-410	X	1	SANITARY NAPKIN RECEPTACLE			RUBBERMAID #6140		
B-599	X	1	MOP SINK STATION			ISS #WST806Y		
B-XX1		1	60"W X 36"H DRIVE-THRU WINDOW			QUICKSERV / #BP-7241E-B		FULLY AUTOMATIC, BI-PARTING DOORS, THRU BEAM SENOR, 1/4" CLEAR TEMPERED GLASS AND ALARM SENOSRS, DARK BRONZE
C COOKING EQUIPMENT								
C-079		1	FILTER QUICK GAS FRYER	X	X	FRY MASTER FQG3OU		
C-107	X	1	RETHERMALIZER	X	X	PITCO #TB-SRTG14-2	X	
C-203	X	2	SPLIT LID CLAM SHELL TOASTER		X	DOUGHPRO #SL15775TBA (STAR OPTIONAL)		POWERED BY PRODUCTION LINE
C-254	X	2	CHEESE MELTER (SINGLE)		X	A. J. ANTUNES # CM-100	X	POWERED BY PRODUCTION LINE
C-400	X	1	COOK TIMER		X	FAST #TBZAP12		FOR THE RETHERMALIZER
E EXHAUST HOODS/FIRE SUPP.								
E-107	X	1	STRATOVENT 6'-3" EXHAUST HOOD		X	STRATOVENT MODEL # TBG365OSVBD6FT3IN		HOOD IS PRE-PIPED FOR ANSUL SUPPRESSION
E-108	X	1	STRATOVENT 106"H X 111" L BACK SPLASH			STRATOVENT MODEL #BACKSPLASH106X111FLA		
E-272	X	1	TIMER BRACKET		X			

EQUIPMENT SCHEDULE

Type Mark	G.C. Install	Count	Description	Gas	Elec	Manufacturer	Plumb	Comments
F OFFICE/EMPLOYEE/MUSIC/MISC.								
F-014	X	1	FILE CABINET (2 DRAWER HIGH) 18" x 36" x 27"H			HON #582LL		IN OFFICE AREA. SEE SHEET A8.2
F-021	X	1	CHAIR - OFFICE			HON #4609AB10		IN OFFICE AREA. SEE SHEET A8.2
F-022	X	1	LICENSE FRAME 8" X 10" (BLACK)			CREATIVE PALETTE TB30		
F-030	X	1	COAT HOOKS			ISS #HOOK246R2Y		
F-040		1	OFFICE COMPUTER		X	POS PROVIDED		IN OFFICE AREA. SEE SHEET A8.2
F-050		1	CREDIT CARD SATELLITE ROUTER JUNCTION			YUM		
F-060		1	MONITOR - OFFICE			YUM		
F-080		1	OFFICE PRINTER/COPIER/FAX/SCANNER		X	POS PROVIDED		
F-090		5	UPS (UN-INTERRUPTABLE POWER SUPPLY)			POS PROVIDED		
F-102		1	MONEY COUNTER		X	TELLER MATE #TIXR3000		
F-165		4	DROP SAFE			PERMA VAULT #PRO-10		
F-174		1	SAFE WITH TOUCH SCREEN CONTROLS			BRINKS TIDEL SENTINAL SIDE VAULT		
F-211	X	1	CLOCK			B&B SYSTEMS #02100100		
F-262		1	EMPLOYEE LOCKERS - 6 COUNT			12 X 15 X 72 GREY		
F-270	X	1	FIRST AID KIT			PROSTAT FIRST AID LLC #2617		IN OFFICE AREA. SEE SHEET A8.2
F-915		1	FLOOR MAT 3' X 5'			Apache Mills Absorba mat #SP1010-PP		
F-920		1	FLOOR MAT 3' X 8'					
INT-ARTWORK								
G-322		1	CAMO PURPLE INTERIOR WALL MURAL					G-322-X-00-12X72
K WORKSTATIONS/SHELVING/CARTS								
K-210	X	1	PREP SINK WORKSTATION 50" TRACK			ISS #WST255E		
K-221	X	1	3 COMP SINK WORKSTATION 96" TRACK			ISS #DS-1F		
K-379		1	Crispy Table,30"X42"X74,			TB,#WST1709EA		
K-554		3	48X24 5-TIER RACK SHELVING			ISS #SU244875Y		
K-602		1	36X18 5-TIER RACK SHELVING			ISS #WST238Y		
K-657		1	72X24 5-TIER RACK SHELVING			ISS #SU247285Y		
K-699		5	60X18 5-TIER RACK SHELVING			ISS #SU186075Y		
L LIGHTING/SIGNAGE/MENUBOARDS								
L-043		1	DIGITAL MENU BOARDS		X			
L-132		1	SIGN- TACO BELL RESTROOM WOMEN WITH BRAILLE 10"X6.5"					
L-133		1	SIGN- TACO BELL RESTROOM MEN WITH BRAILLE 10"X6.5"					
L-150	X	1	SECURITY DOOR DANGER SIGN			ADVERCO#ADVCUSTOM		ORDERED DIRECT FROM YRFS
L-949	X	3	NO SMOKING SIGN			VOLLRATH #4513		



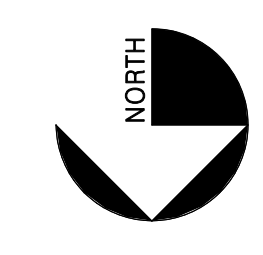
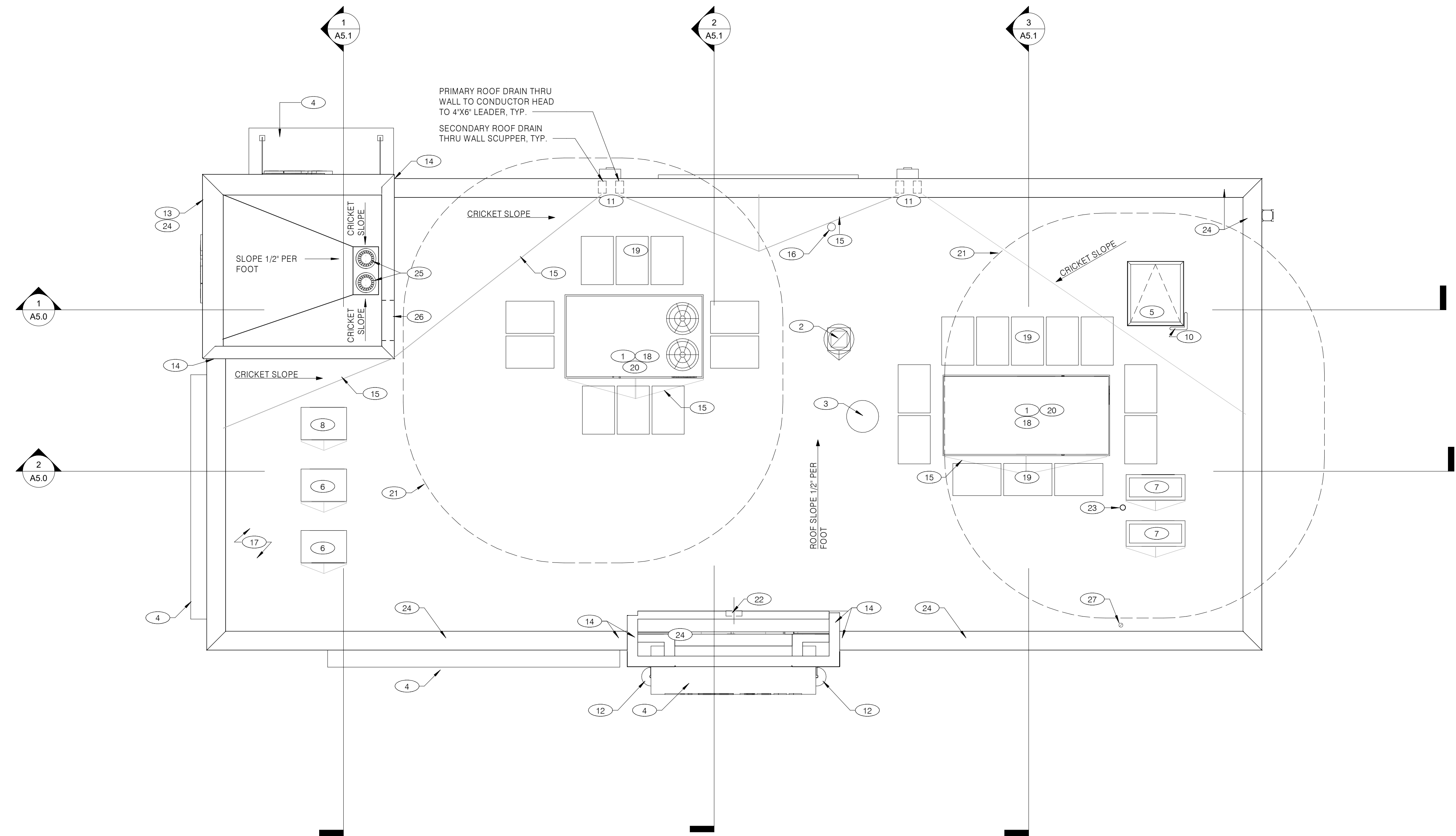
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CONTRACT DATE:
BUILDING GROUP: T40M-O
FLOOR PLAN: ME - T40
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EQUIPMENT SCHEDULE

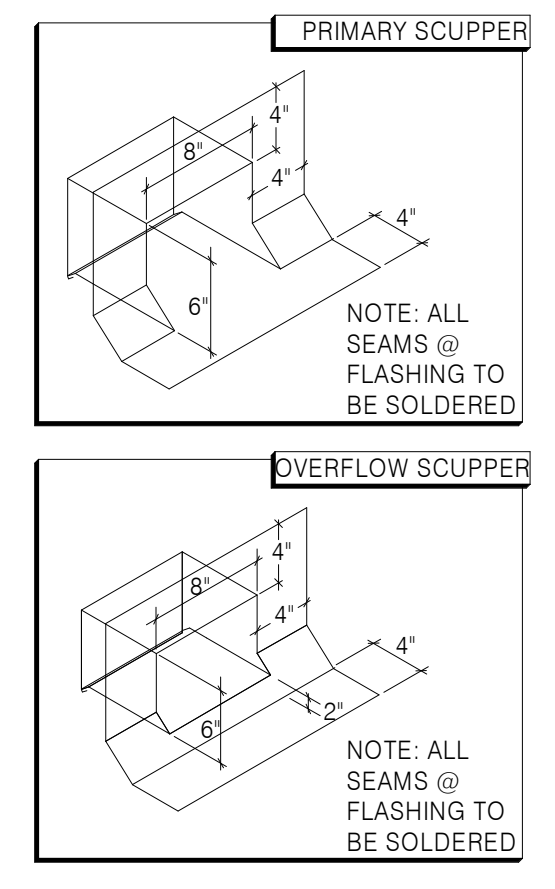
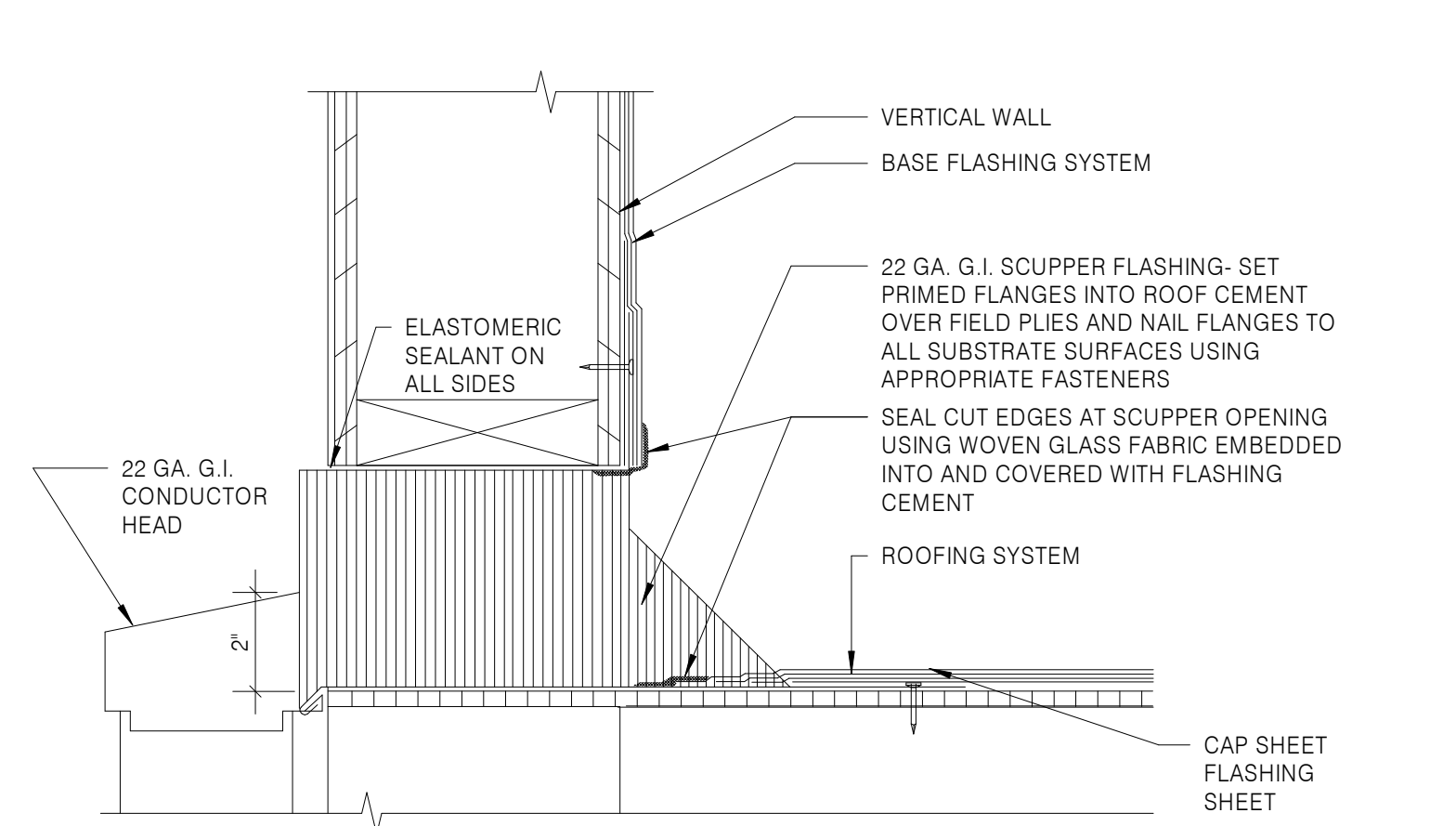
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08.21.19	Issued for Construction

CONTRACT DATE: T40M-O
BUILDING GROUP: ME - T40
FLOOR PLAN: 313076
REVISION DATE: 201808.30
SITE NUMBER: 201808.30
STORE NUMBER:

ROOF PLAN 1/4" = 1'-0" **A**



WATERPROOFING:
A. PAINT UNDERSIDE OF PARAPET CAP FLASHING WITH FACTORY BONDED PAINT GRIP OR PRIMER.
B. TOP NAILING AT PARAPET CAP FLASHING WILL NOT BE ACCEPTED.
C. PENETRATIONS IN ROOFING MEMBRANE AND FLASHING SHALL ONLY BE MADE AS INDICATED ON THE DRAWINGS OR SPECS.
D. SEE SPECIFICATIONS FOR SEALANT SPECS.
E. ALL SHEET MTL FLASHING SHALL BE 22 GA MIN.

MISCELLANEOUS:
A. ROOF PENETRATIONS CLOSER THAN 12" FROM ANOTHER WILL NOT BE ALLOWED.
B. EXHAUST FANS MIN. 10'-0" AWAY FROM ALL AIR INTAKE / SUPPLY.
C. LOCATE WALK-IN CONDENSERS ON ROOF ONLY IF REQUIRED BY CODE.

- 1 ROOFTOP UNIT. INSTALL PLUMB AND LEVEL
- 2 KITCHEN HOOD EXHAUST FAN. SEE SHEETS M3.0 & DETAIL 7/A6.2
- 3 RESTROOM EXHAUST FAN. SEE DETAIL M2.1
- 4 CANOPY BELOW
- 5 ROOF HATCH. SEE DETAIL 4/A6.2
- 6 ICE MACHINE CONDENSERS ON EQUIPMENT PLATFORM. REF. 10/A6.2
- 7 WALK-IN COOLER / FREEZER CONDENSERS. SEE SCOPE OF WORK SHEET
- 8 FROZEN BEVERAGE MACHINE CONDENSER ON EQUIPMENT PLATFORM. REF. 10/A6.2
- 9 NOT USED
- 10 ROOF LADDER EXTENSION HANDLE BY MANUFACTURER OF ROOF HATCH
- 11 SCUPPER AND DOWNSPOUT. SEE DETAIL D
- 12 EXTERIOR LIGHT FIXTURES
- 13 BASE BID TOWER PANEL SYSTEM AND FRAME. BY GC. ALTERNATE BID PREFAB TOWER, BY OTHERS, SEE A3.1.
- 14 CHANGE IN PARAPET ELEVATION SEE DETAIL 8/A6.1.
- 15 ROOF CRICKET, SEE DETAIL 12/A6.2
- 16 WASTE VENT THROUGH ROOF. THE TOP OF THE WASTE VENTS SHALL BE 12" HIGHER THAN THE CLOSEST PARAPET CAP U.N.O. OR NOT ALLOWED BY LOCAL JURISDICTION. SEE 5/A6.2 FOR FLASHING ASSEMBLY.
- 17 "DURO-LAST" SINGLE PLY ROOF MEMBRANE OVER R-20 MIN. RIGID INSULATION BOARD ON 5/8" EXTERIOR GRADE PLYWOOD OVER TRUSSES. INSTALL PER MANUFACTURERS SPECIFICATIONS
- 18 POWER / GAS / CONDENSATE ENTRY UNDER HVAC UNIT (PER HVAC MFR. SPECS.) REFER TO MECH. AND PLUMB DWGS. UTILITY ACCESS FROM WITHIN CURB - NO ROOF PENETRATIONS. DO NOT RUN ON ROOF SURFACE. SEE PLUMBING DRAWINGS.
- 19 24X36 WALK MATS. SEE ROOF SPECS.
- 20 MAINTAIN MANUFACTURER'S ROOFTOP MAINTAINANCE CLEARANCES
- 21 OUTSIDE AIR INTAKE FOR ROOFTOP UNIT. MAINTAIN MIN 10'-0" SEPARATION FROM PLUMBING VENTS, FLUES, AND BUILDING EXHAUST
- 22 12" X 12" WHITE ALUMINUM LOUVER STYLE GABLE VENT WITH FIBERGLASS INSECT SCREEN, MOUNT HIGH
- 23 PIPE HOOD. SEE DETAIL 6/A6.2
- 24 FACTORY PAINTED METAL PARAPET CAP. SEE DETAIL 183/A6.2. GC TO ENSURE PARAPET CAP IS WEATHER PROTECTED
- 25 ROOF DRAIN AND OVERFLOW. ROUTE PIPE THROUGH TOWER ATTIC AND OUTLET ONTO MAIN ROOF.
- 26 2'-6" X 5'-0" ACCESS HATCH WITH SCREWDRIVER CAM LOCK IN OVERBUILD WALL.
- 27 WATER HEATER VENT. SEE MECHANICAL.

SCUPPER FLASHING 1/4" = 1'-0" **D**

ROOF PLAN NOTES **C**

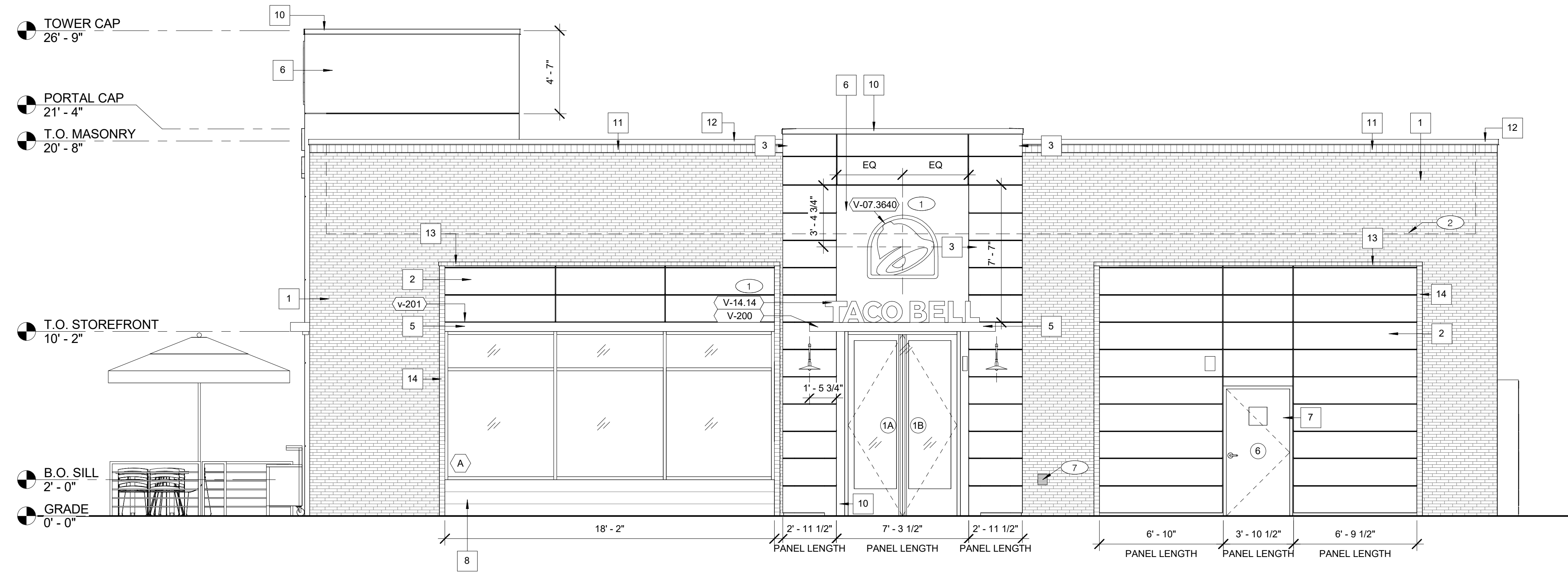
ROOF PLAN KEYNOTES **B**

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T40

ROOF PLAN

A3.0



SIDE ENTRY ELEVATION 1/4" = 1'-0" **A**

EXTERIOR FINISH SCHEDULE						ALTERNATE FINISH INFORMATION		
SYMBOL	AREA	AREA	MANUFACTURER	MATERIAL SPEC	COLOR	MFR.	MATERIAL SPEC.	COLOR
1	BRICK VENEER	1992 SF	INTERSTATE	STANDARD BRICK - 3-5/8"W X 2-1/4"H X 8"L	RANDOM MIX, 30% PLATINUM / 70% PEWTER			
2	EXTERIOR FIBER CEMENT PANELS	689 SF	JAMES HARDIE	REVEAL PANEL SYSTEM	PAINT SW7048 URBANE BRONZE	NICHIHA	ILLUMINATION	PAINTED SW7048 URBANE BRONZE
3	EXTERIOR FIBER CEMENT PANELS	188 SF	JAMES HARDIE	REVEAL PANEL SYSTEM	PAINT SW7048 URBANE BRONZE	NICHIHA	ILLUMINATION	PAINTED SW7048 URBANE BRONZE
4	STOREFRONT	133 SF	OLD CASTLE	SERIES 500 - WIDE STILE FOR WINDOWS AND SERIES 500 - WIDE STILE FOR DOORS	DARK BRONZE	N/A	N/A	N/A
5	METAL CANOPIES	208 SF	BY OTHERS	-	DRYLAC POWDER COATING 038/60080 STATUARY BRONZE	N/A	N/A	N/A
6	TOWER AND PORTAL ACCENT	827 SF	CORTEN	STEEL FLAT SHEETS	STANDARD	N/A	N/A	N/A
7	EXTERIOR HOLLOW METAL DOOR	81 SF	-	-	PAINT SW7048 URBANE BRONZE	N/A	N/A	N/A
8	LOCAL RECLAIMED WOOD	166 SF	BY GC	BARNWOOD	AS-IS/ GRAY	N/A	N/A	N/A
9	DOWNSPOUT	69 SF	-	-	PAINT SW7045 INTELLECTUAL GRAY	N/A	N/A	N/A
10	EXTERIOR METAL TRIM - ENTRY	13 SF	AEP SPAN	TBD				

EXTERIOR FINISHES IN LF					
SYMBOL	AREA	LENGTH	MANUFACTURER	COLOR	ALTERNATE MANUFACTURER
10	EXTERIOR METAL TRIM - PORTAL CAP AND TOWER CAP	56' - 2 3/4"	AEP SPAN	PAINTED SW 7048 URBANE BRONZE	
11	BRICK VENEER SOLDIER COURSE	154' - 1 3/4"	INTERSTATE	RANDOM MIX, 30% PLATINUM / 70% PEWTER	
12	EXTERIOR METAL TRIM - PARAPET CAP	154' - 1 3/4"	AEP SPAN	VINTAGE	
13	BRICK VENEER HEADER COURSE - HALF BRICK TURNED IN 90 DEGREES	88' - 5 1/4"	INTERSTATE	RANDOM MIX, 30% PLATINUM / 70% PEWTER	
14	BRICK VENEER STACKED COURSE - CUT BRICK TURNED IN 90 DEGREES AT JAMB	151' - 7 1/4"	INTERSTATE	RANDOM MIX, 30% PLATINUM / 70% PEWTER	

EXTERIOR FINISH SCHEDULE N.T.S. **E**

MISCELLANEOUS:

A. SEE SHT A1.1 "WINDOW TYPES" FOR WINDOW ELEVATIONS.

SEALERS (REFER TO SPECS):

- A. SEALANT AT ALL WALL AND ROOF PENETRATIONS.
- B. SEALANT AT ALL WINDOW AND DOOR FRAMES AT HEAD AND JAMB. DO NOT SEAL SILL @ WINDOWS.
- C. APPLY NEOPRENE GASKET (CONT.) BETWEEN BUILDING & CANOPY.

"CRITICAL" DIMENSIONS:

A. REQUIRED CLEAR OPENING WIDTH TO ENSURE COORDINATION WITH STANDARD SIGNAGE/ BUILDING ELEMENTS DIMENSIONS.

NOTE: NO EXTERIOR SIGNS ARE WITHIN THE SCOPE OF WORK COVERED BY THE BUILDING PERMIT APPLICATION. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL EXTERIOR SIGNS AND INSTALLATION OF REQUIRED BLOCKING AND ELECTRICAL CONNECTIONS FOR FINAL APPROVED SIGNS.

GENERAL NOTES N.T.S. **D**

- ① BUILDING SIGN, BY SIGN VENDOR. REQUIRES ELECTRICAL. SEE ELECTRICAL PLANS
- ② DASHED LINE INDICATES ROOF LINE BEYOND.
- ③ 4" DIA. BOLLARD AT ALL DOWNSPOUTS.
- ④ GAS METER
- ⑤ SWITCH GEAR. PAINT TO MATCH WALL.
- ⑥ ELECTRIC METER
- ⑦ HOSE BIB BOX AT 18" A.F.F. SEE DETAIL 6/A6.1
- ⑧ WALL SHALL BE FINISHED PRIOR TO INSTALLATION OF SWITCHGEAR.
- ⑨ SCUPPER, COLLECTOR, AND VERTICAL DOWNSPOUT 6" MIN

Type Mark	QTY	ITEM DESCRIPTION
V06.3640	2	LARGE SWINGING BELL WHITE LOGO -3'-6" x 4'-0"
V-07.3640	1	LARGE SWINGING BELL FLAT CUT OUT WALL MOUNTED -3'-6" x 4'-0"
V-09.14	2	MEDIUM TB 14" CHANNEL LETTERS WHITE (2) STACKED (1) LINEAR
V-14.14	1	MEDIUM TB 14" LETTER - FLAT CUT OUT - LINEAR
V-101.DT	1	DT AWNING - 9'0" X 4'0"
V-200	1	ENTRANCE PORTAL CANOPY
V-201	1	DINING WINDOW AWNING - 18' 2" X 1' 4"
V-202	1	DINING WINDOW AWNING - TBD

SIGNAGE SCHEDULE N.T.S. **B**

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FLOOR PLAN: ME - T40
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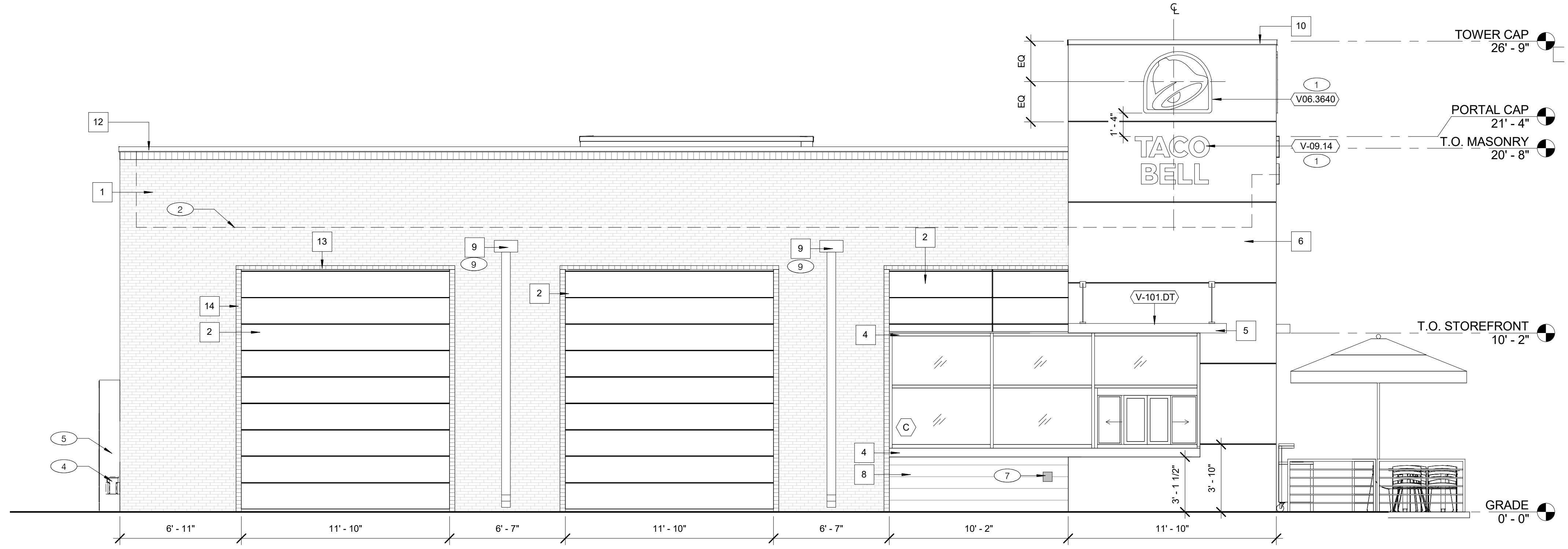


EXTERIOR ELEVATION

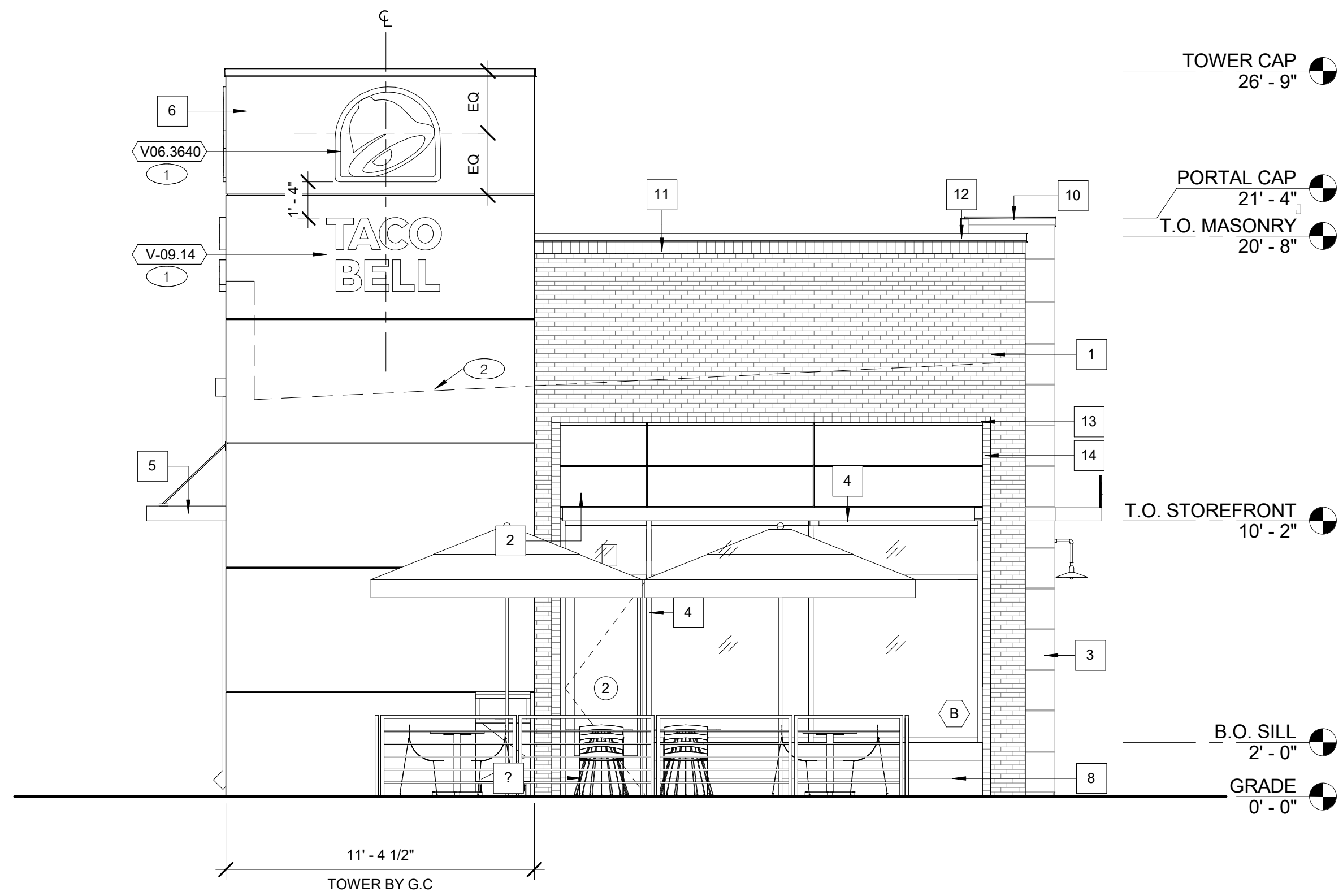
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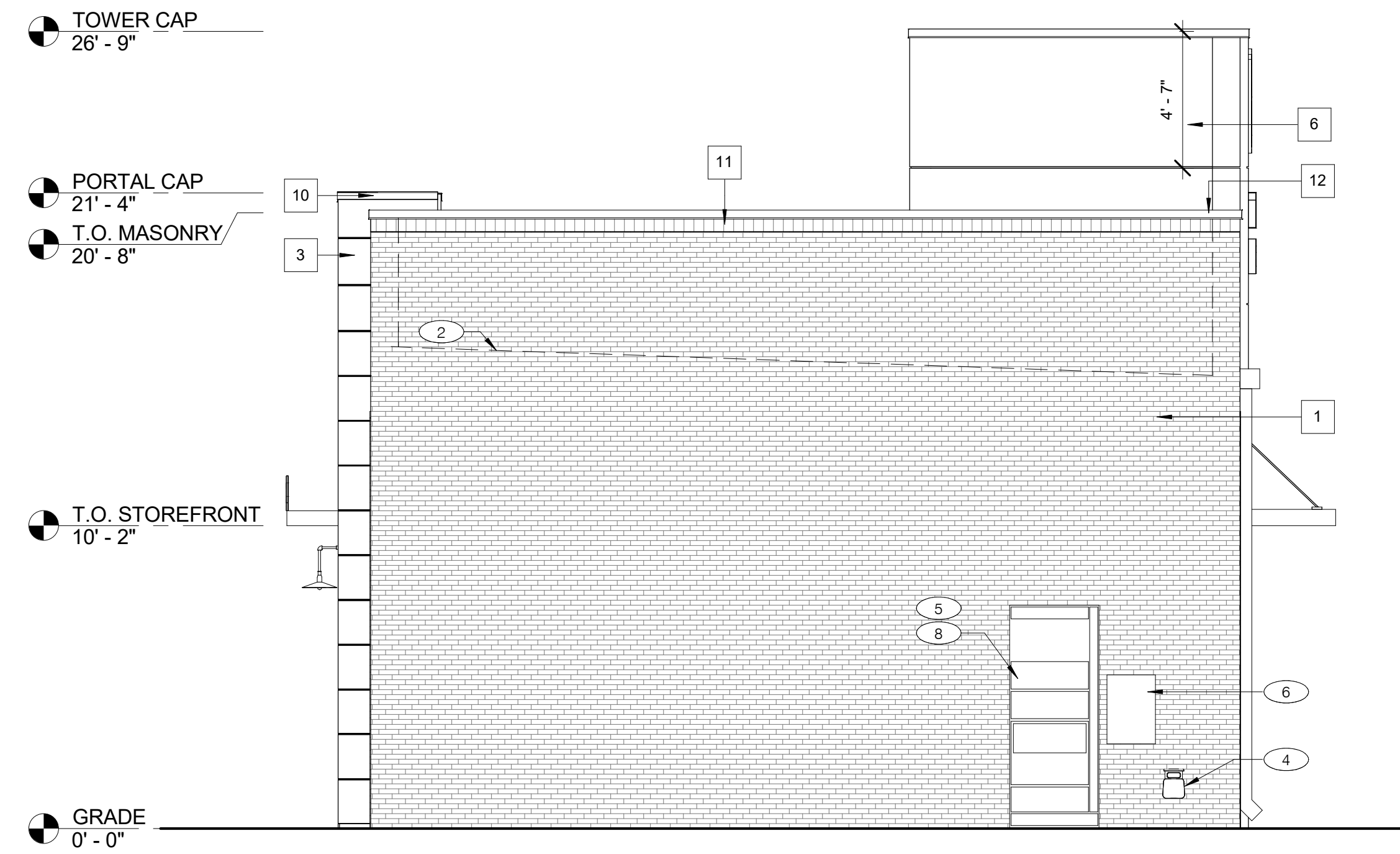
ELEVATION KEYNOTES N.T.S. **C**



DRIVE-THRU SIDE ELEVATION 1/4" = 1'-0" **1**



FRONT ELEVATION 1/4" = 1'-0" **3**



REAR ELEVATION 1/4" = 1'-0" **2**

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T40

EXTERIOR ELEVATIONS

A4.1



SIDE ENTRY ELEVATION 1/4" = 1'-0" **C**

FRONT ELEVATION 1/4" = 1'-0" **A**



DRIVE-THRU SIDE ELEVATION 1/4" = 1'-0" **D**

REAR ELEVATION 1/4" = 1'-0" **B**

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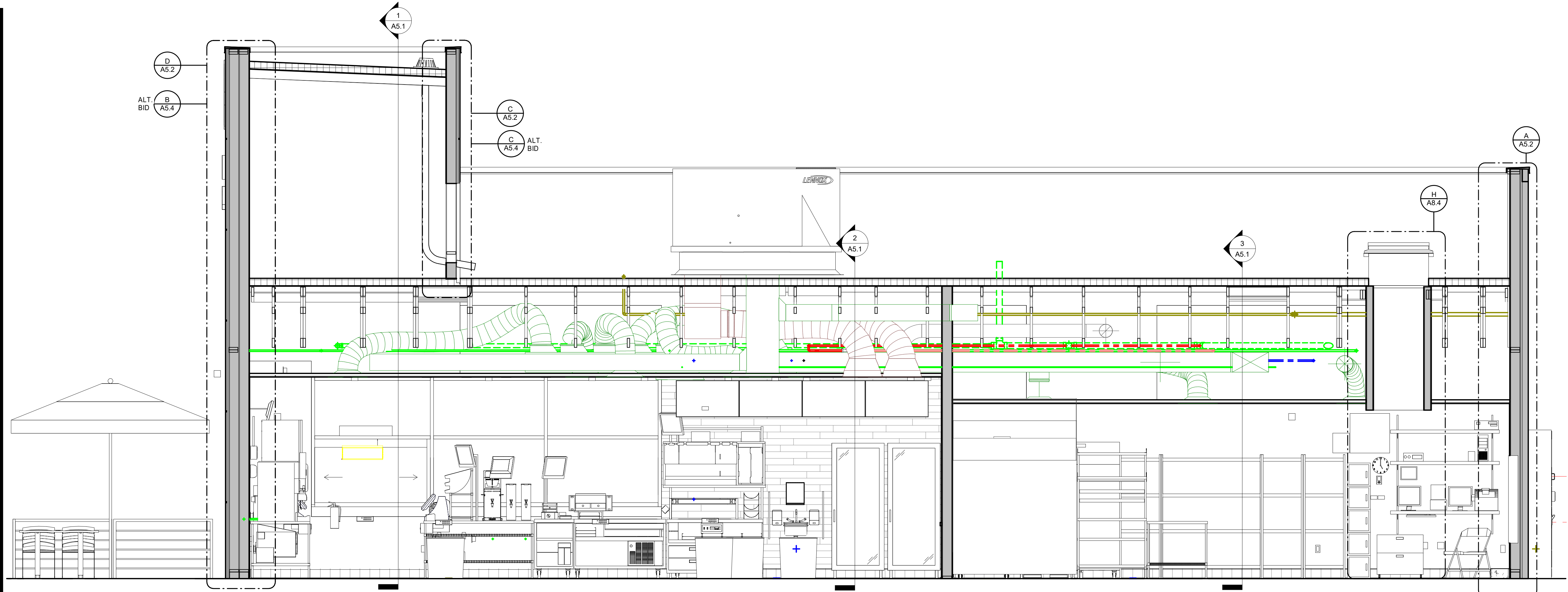
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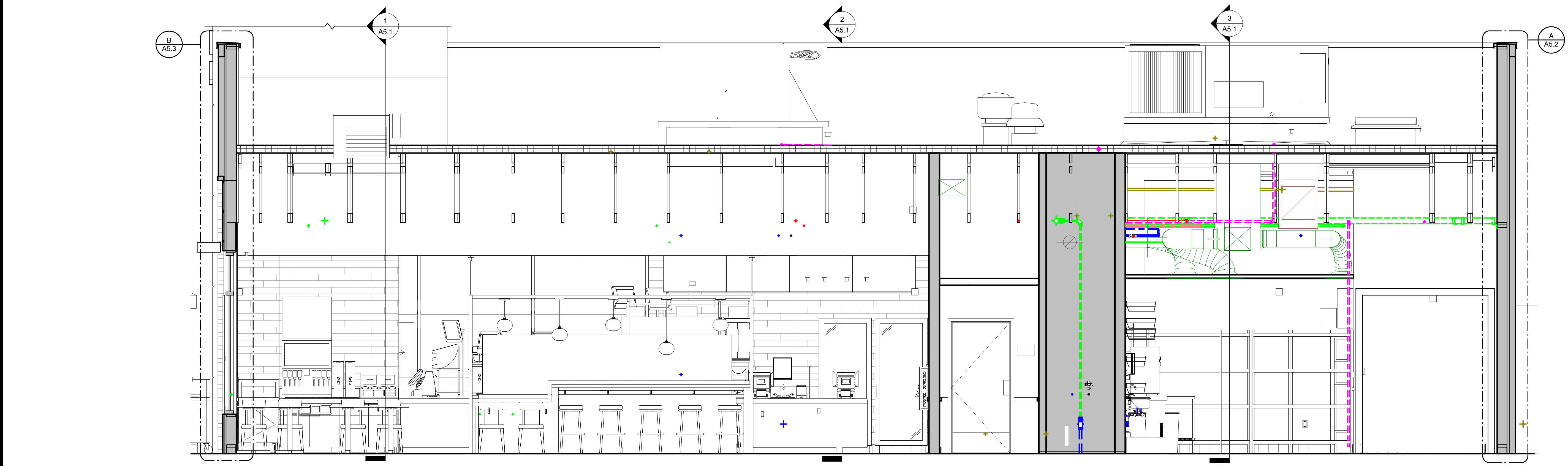


COLORED ELEVATIONS

A4.2



EAST-WEST SECTION 01 3/8" = 1'-0" **1**



EAST-WEST SECTION 02 3/8" = 1'-0" **2**

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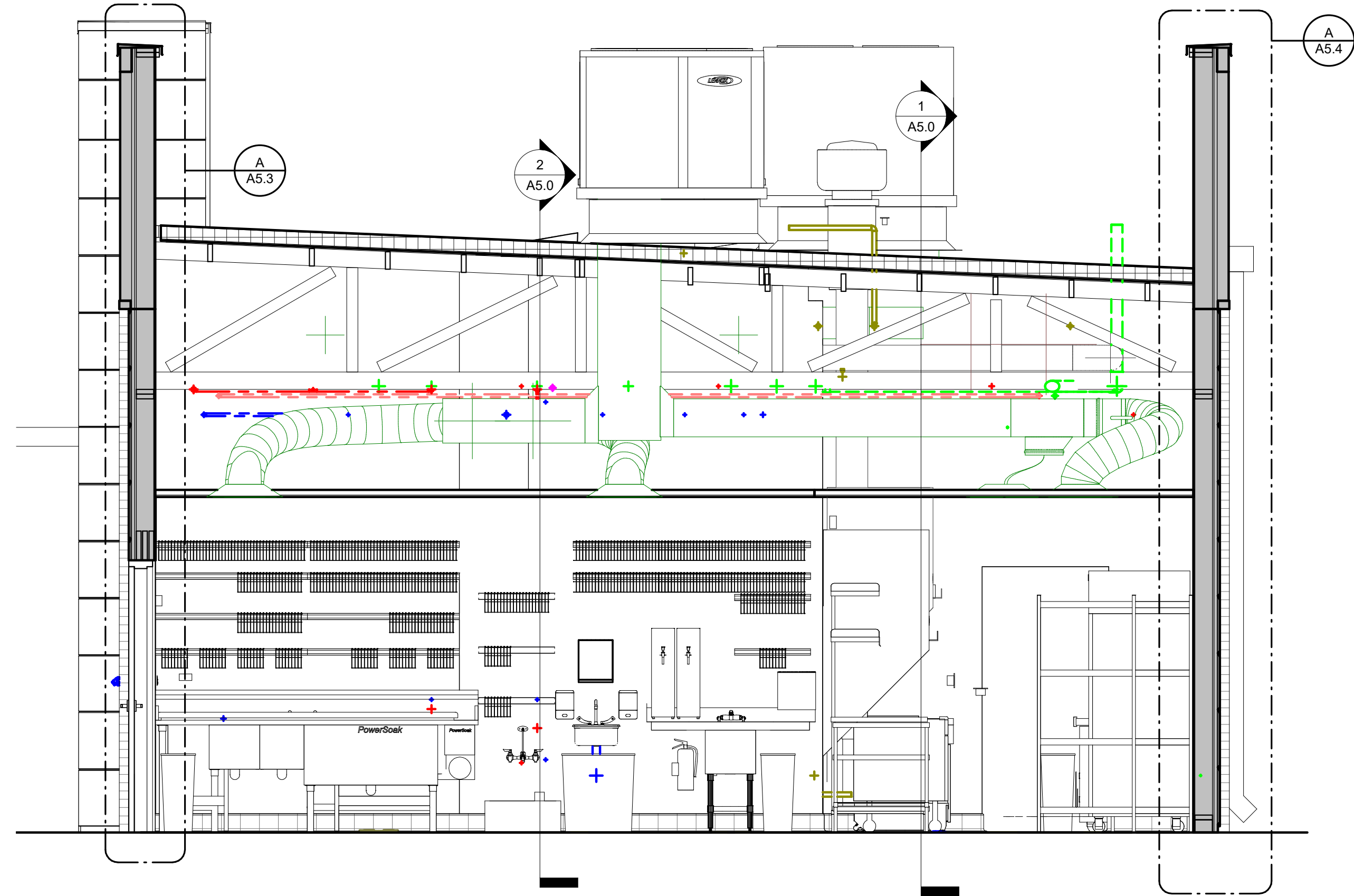
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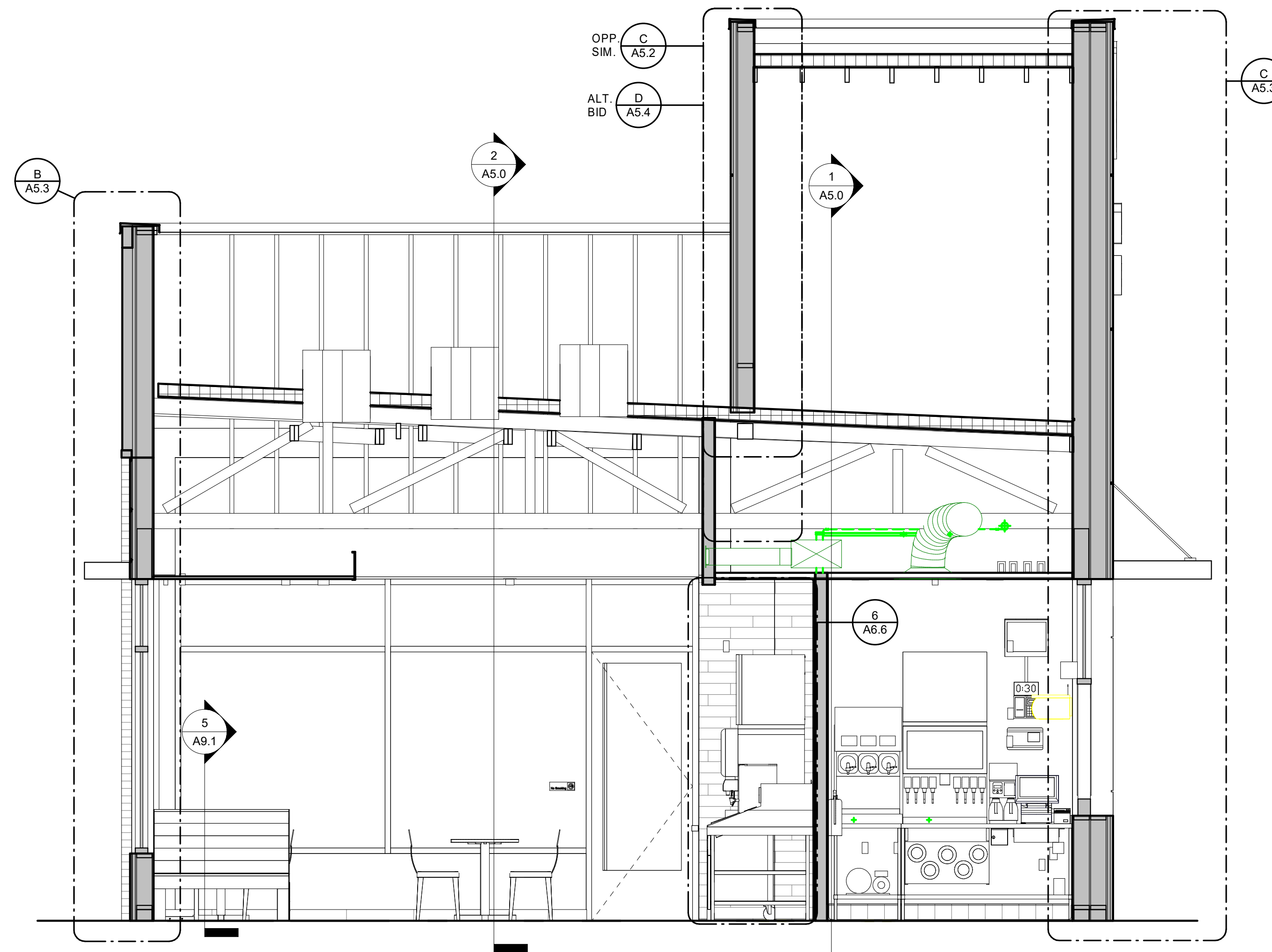


BUILDING SECTIONS

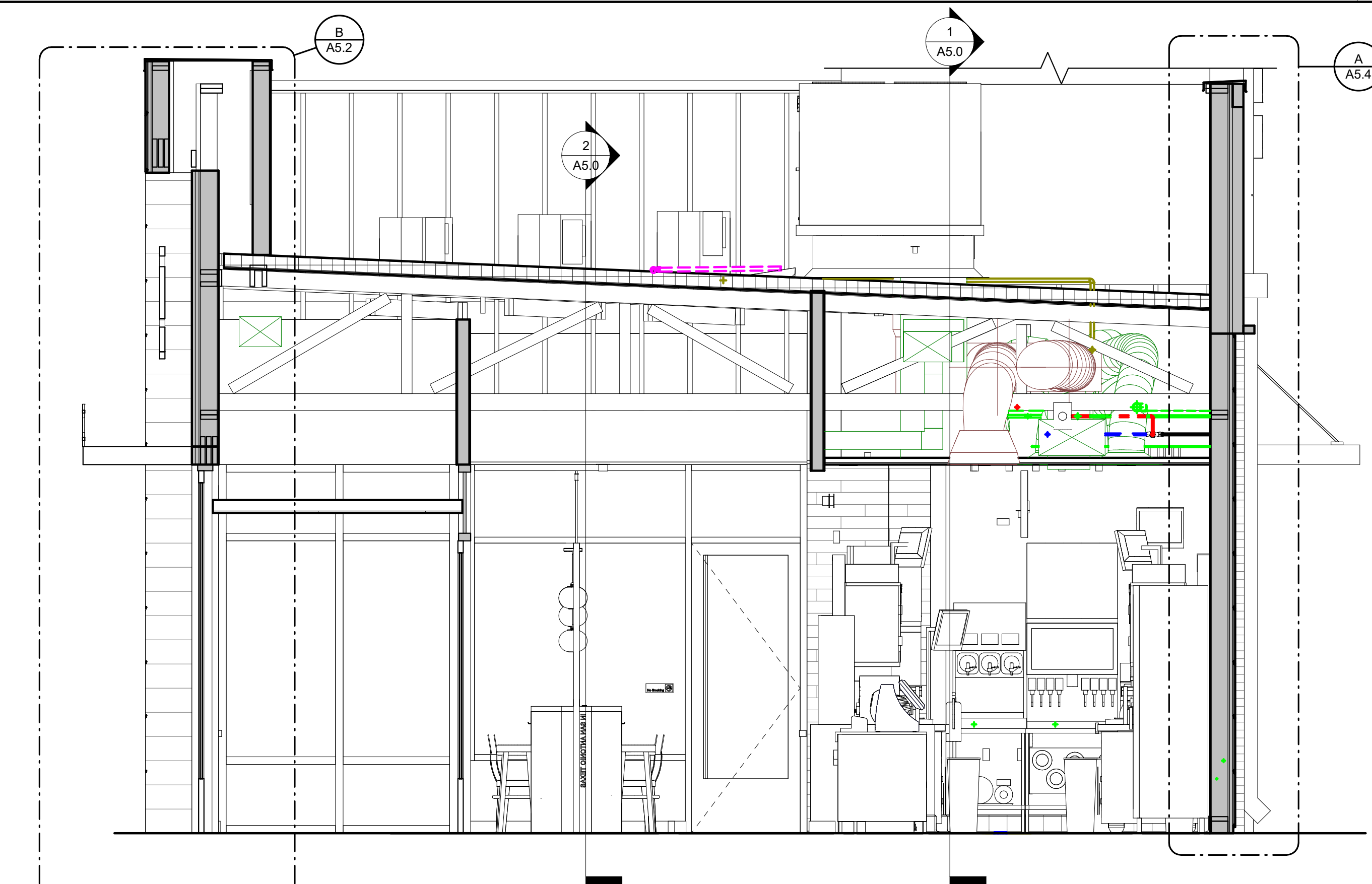
A5.0



NORTH-SOUTH SECTION 04 3/8" = 1'-0" **3**



NORTH-SOUTH SECTION 02 3/8" = 1'-0" **1**



NORTH-SOUTH SECTION 03 3/8" = 1'-0" **2**

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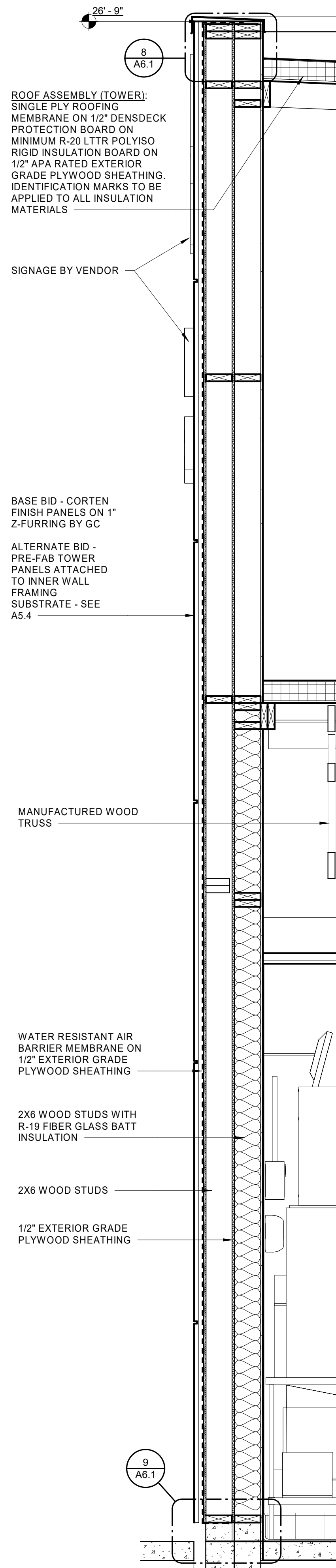
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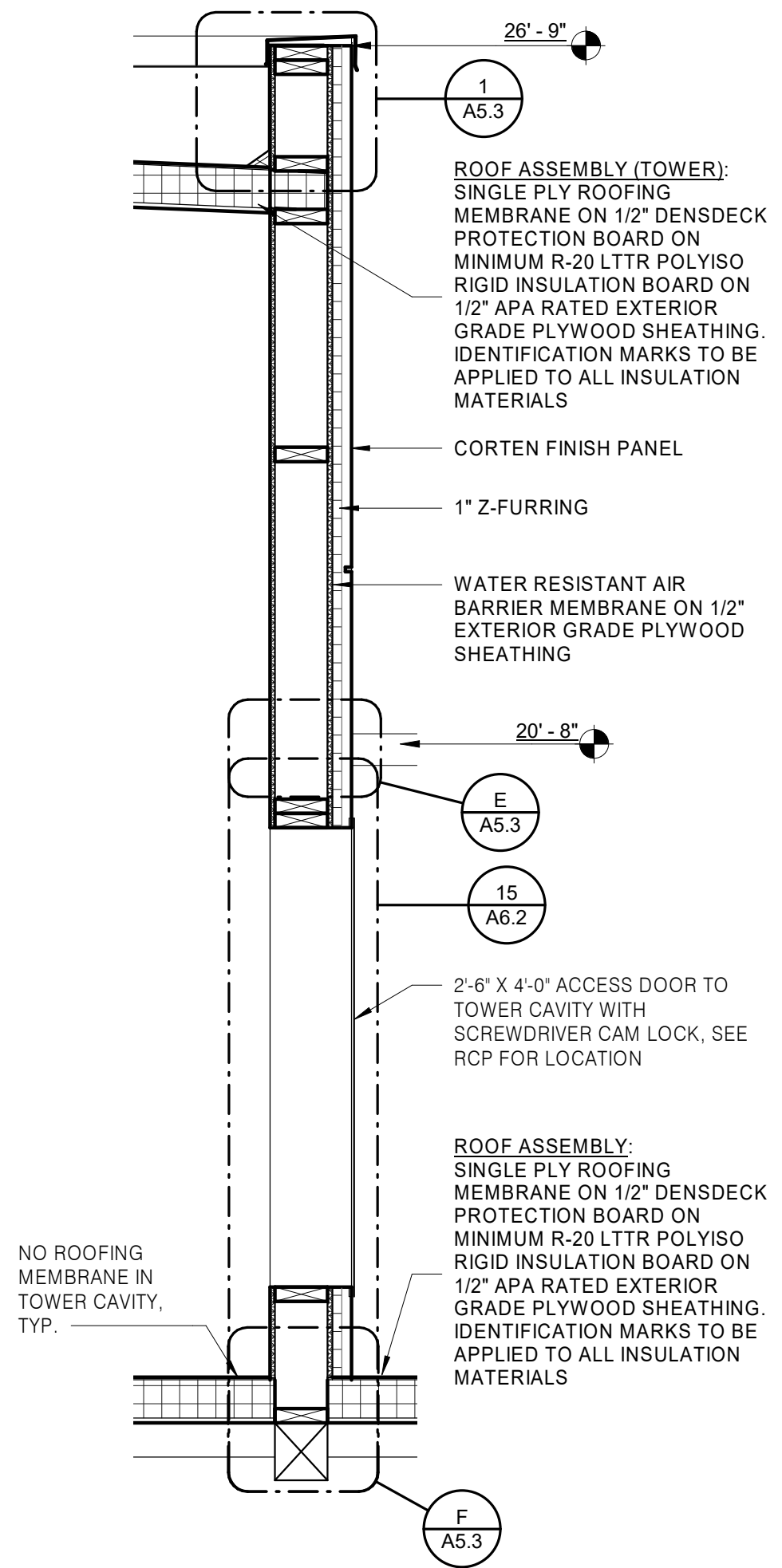
BUILDING SECTIONS

A5.1

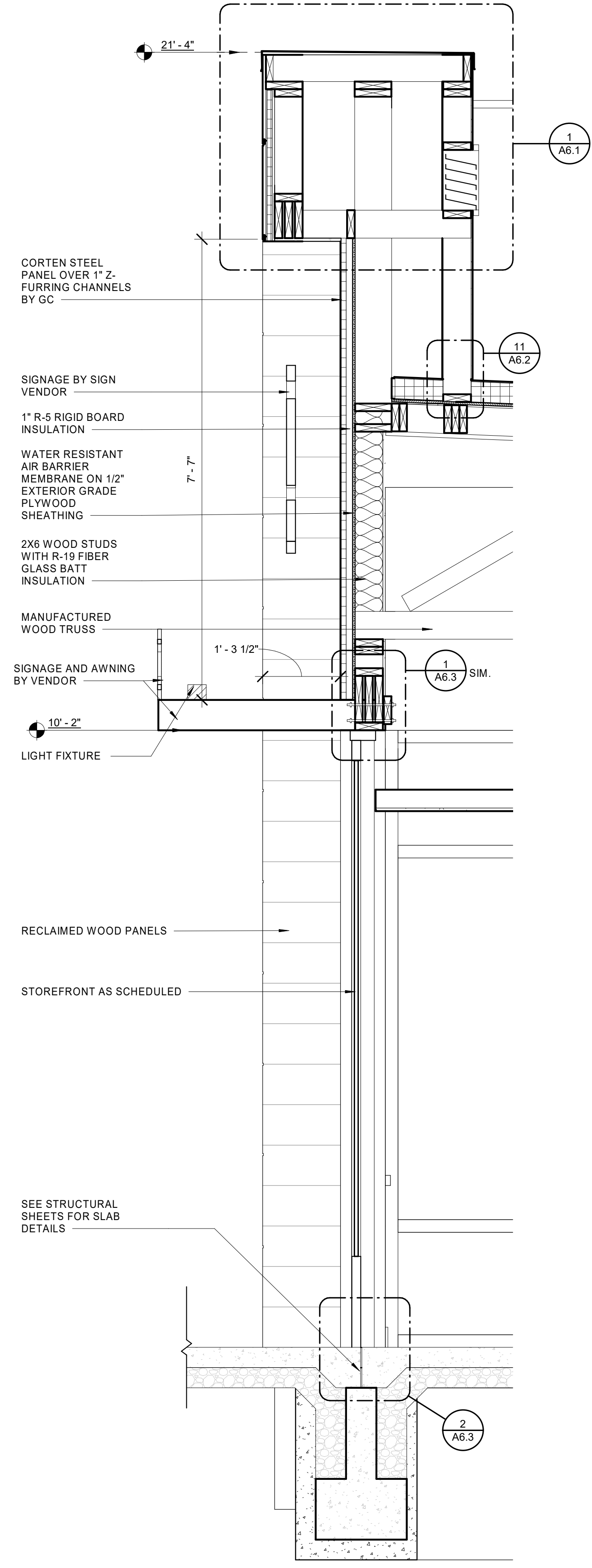
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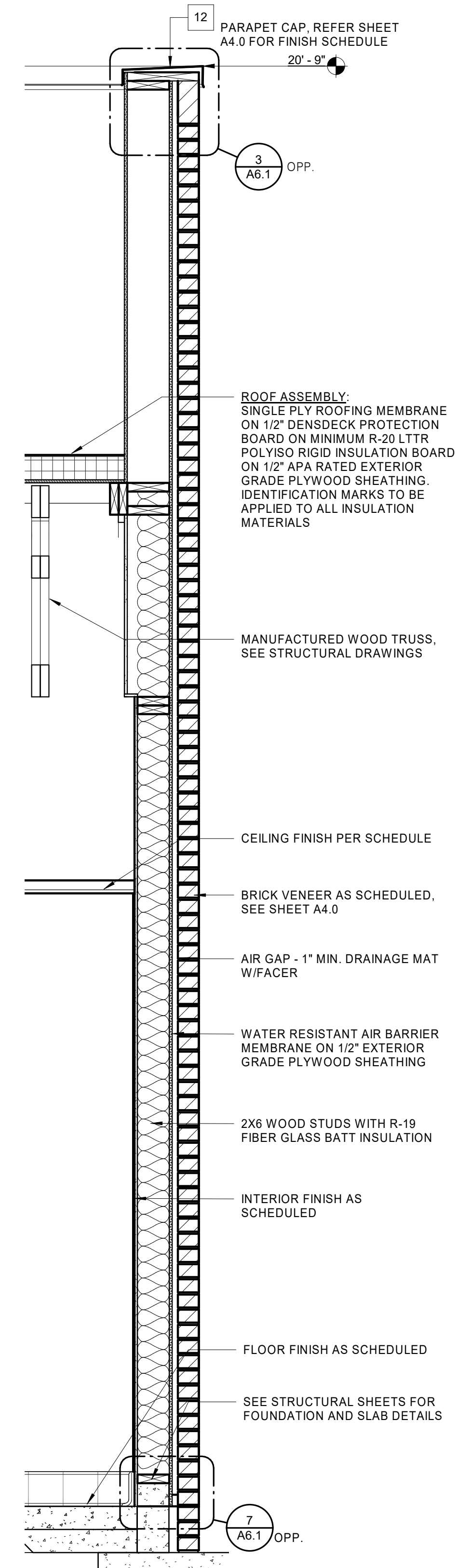
WALL SECTION - TOWER 3/4" = 1'-0" **D**



WALL SECTION - TOWER BACK SIDE 3/4" = 1'-0" **C**



WALL SECTION - ENTRANCE PORTAL 3/4" = 1'-0" **B**



WALL SECTION - TYPICAL 3/4" = 1'-0" **A**

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T40

WALL SECTIONS

A5.2

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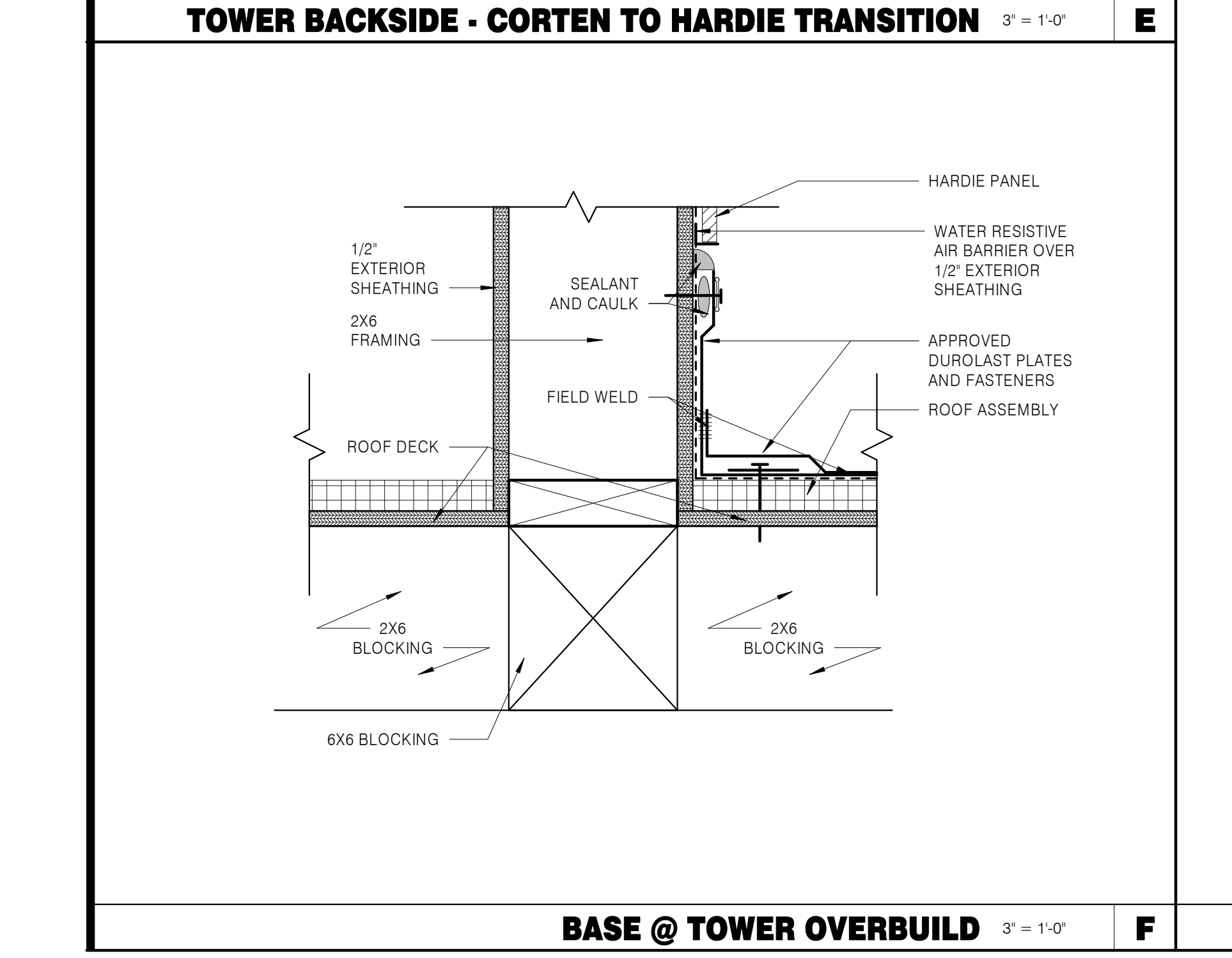
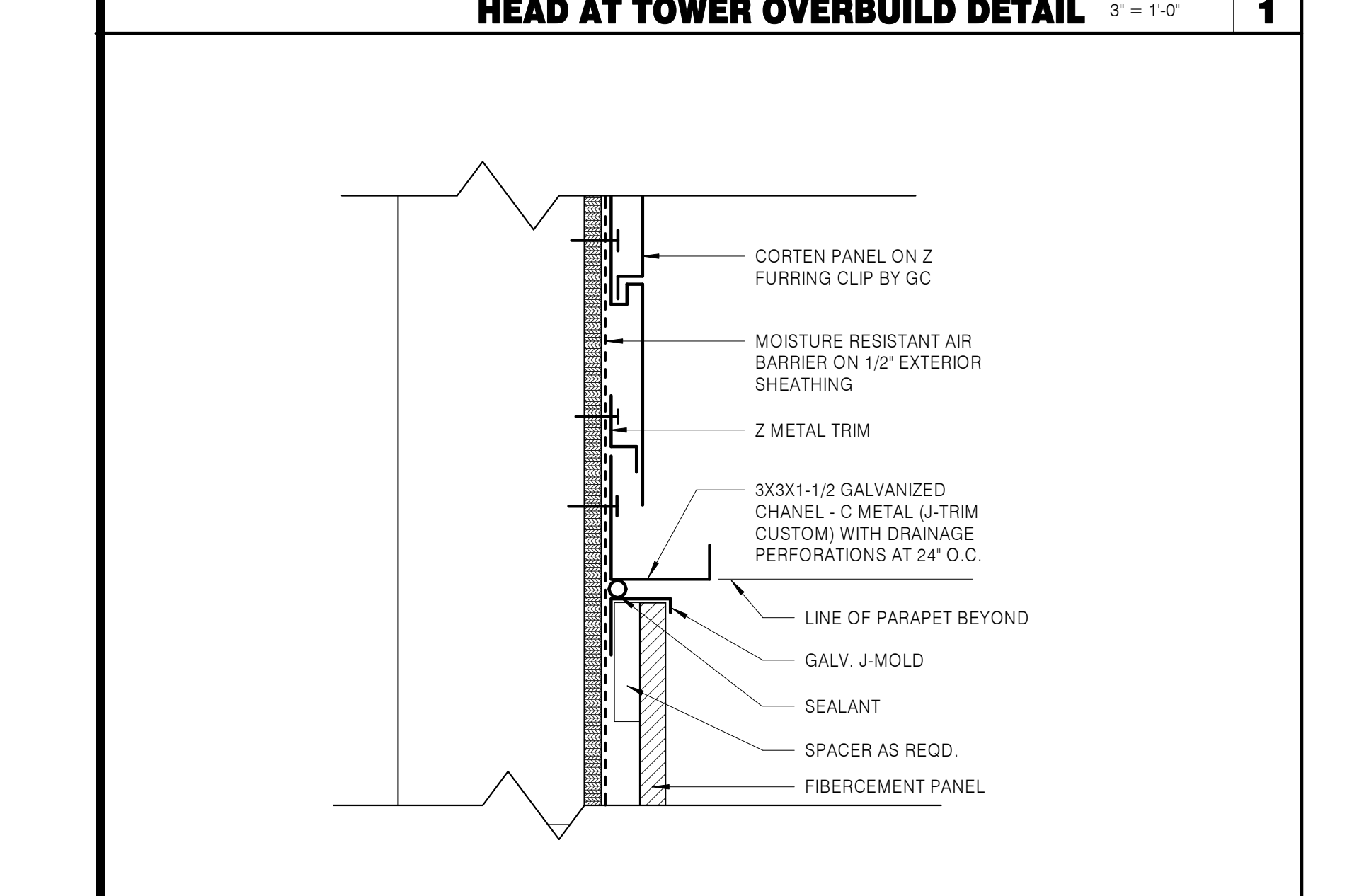
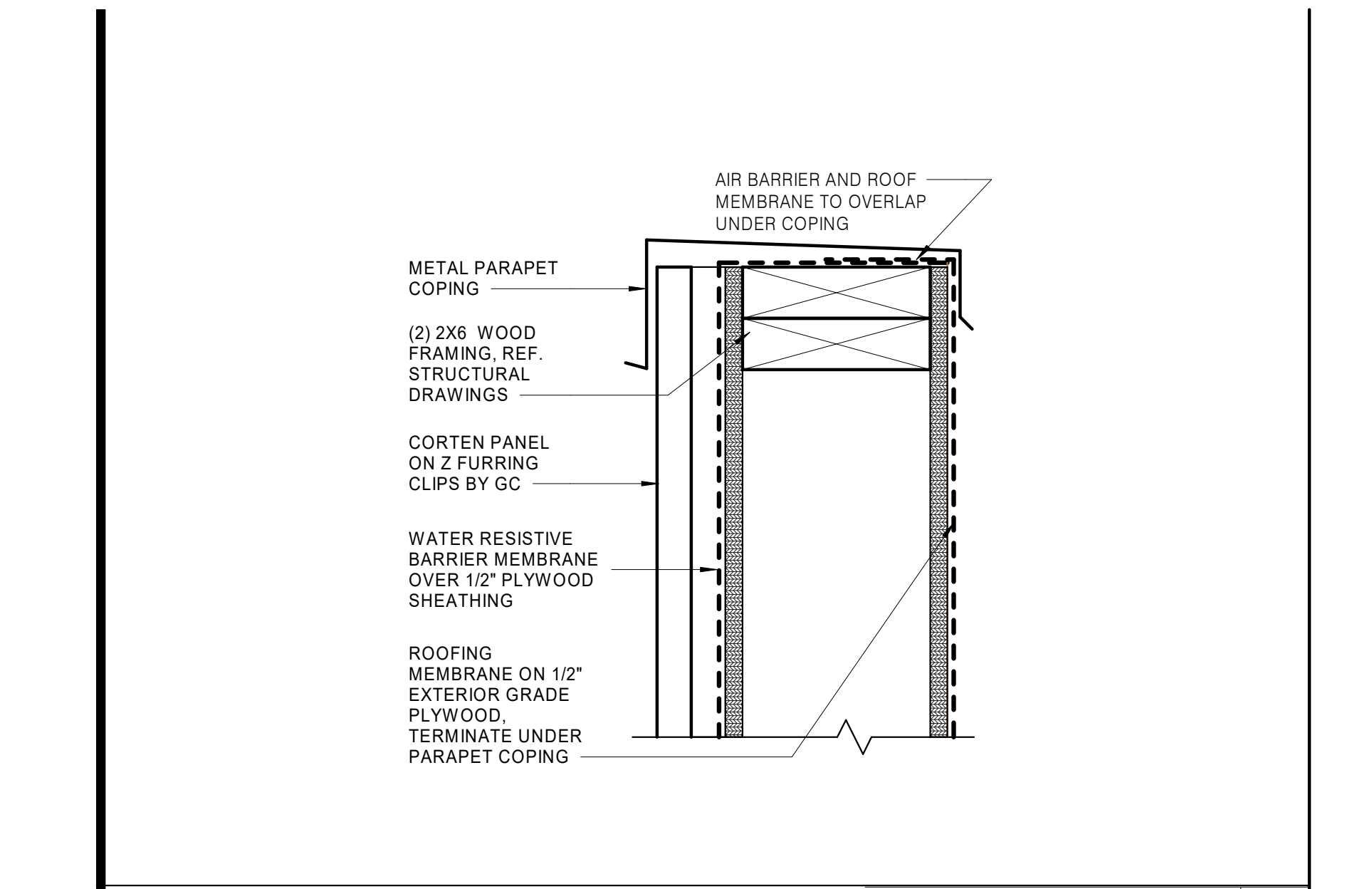
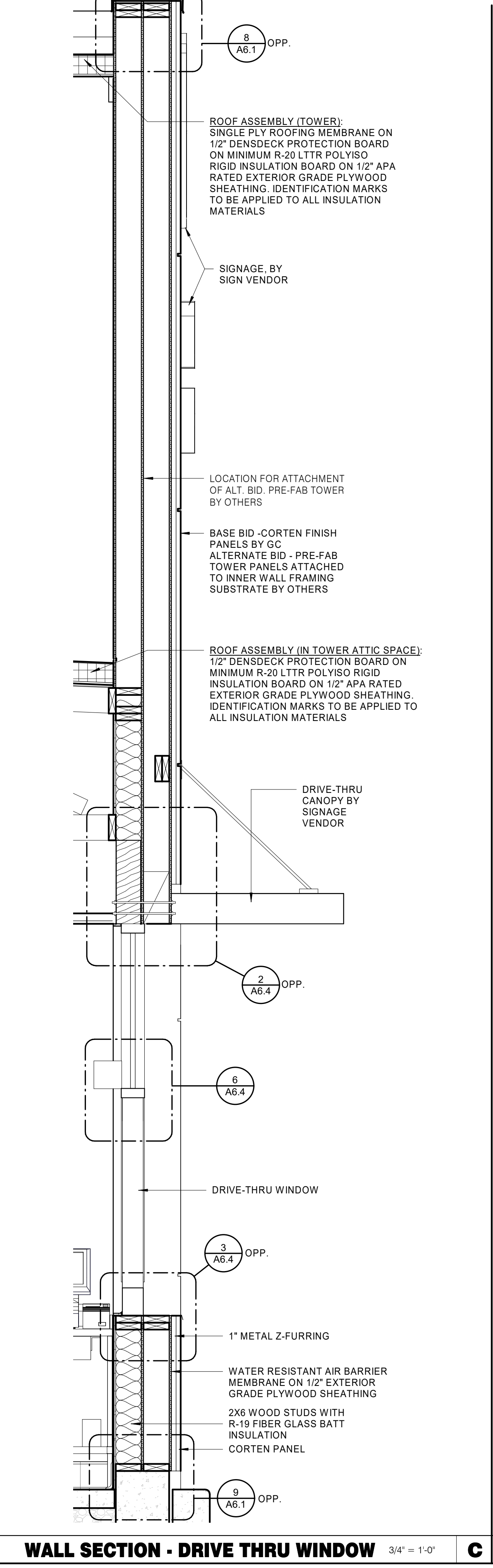
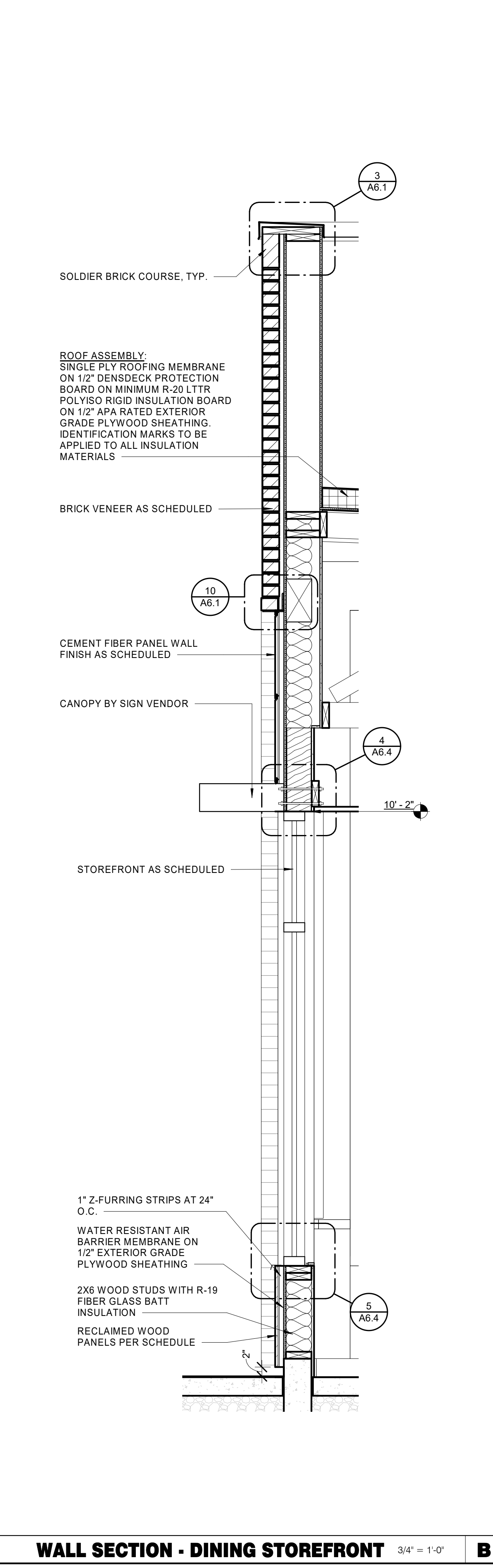
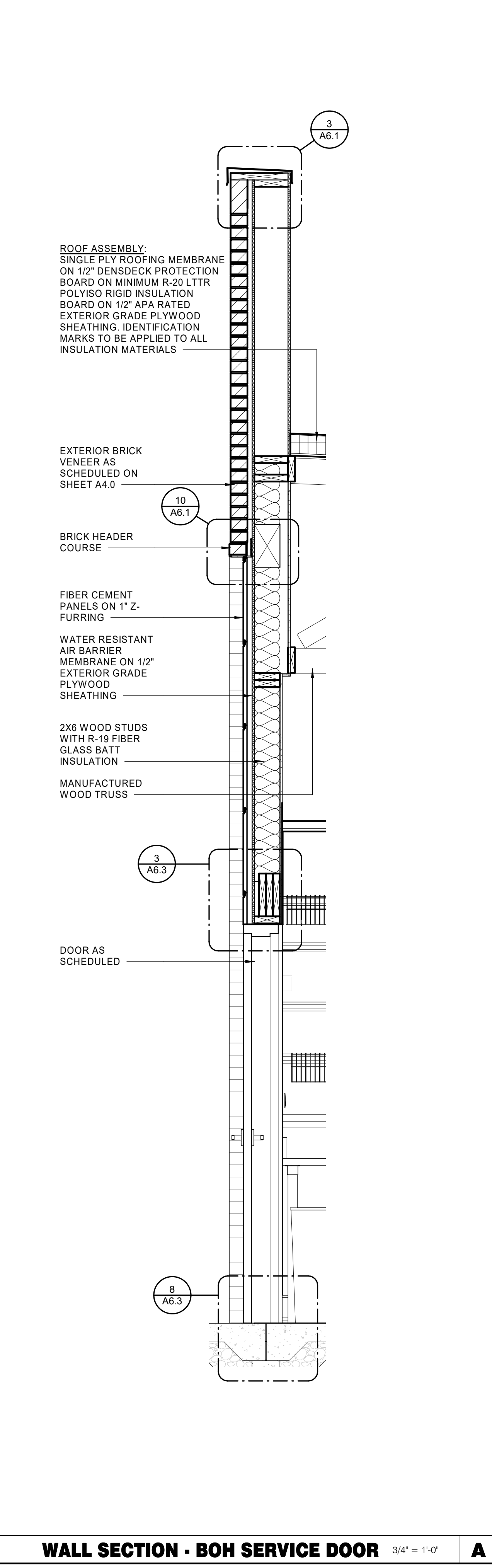
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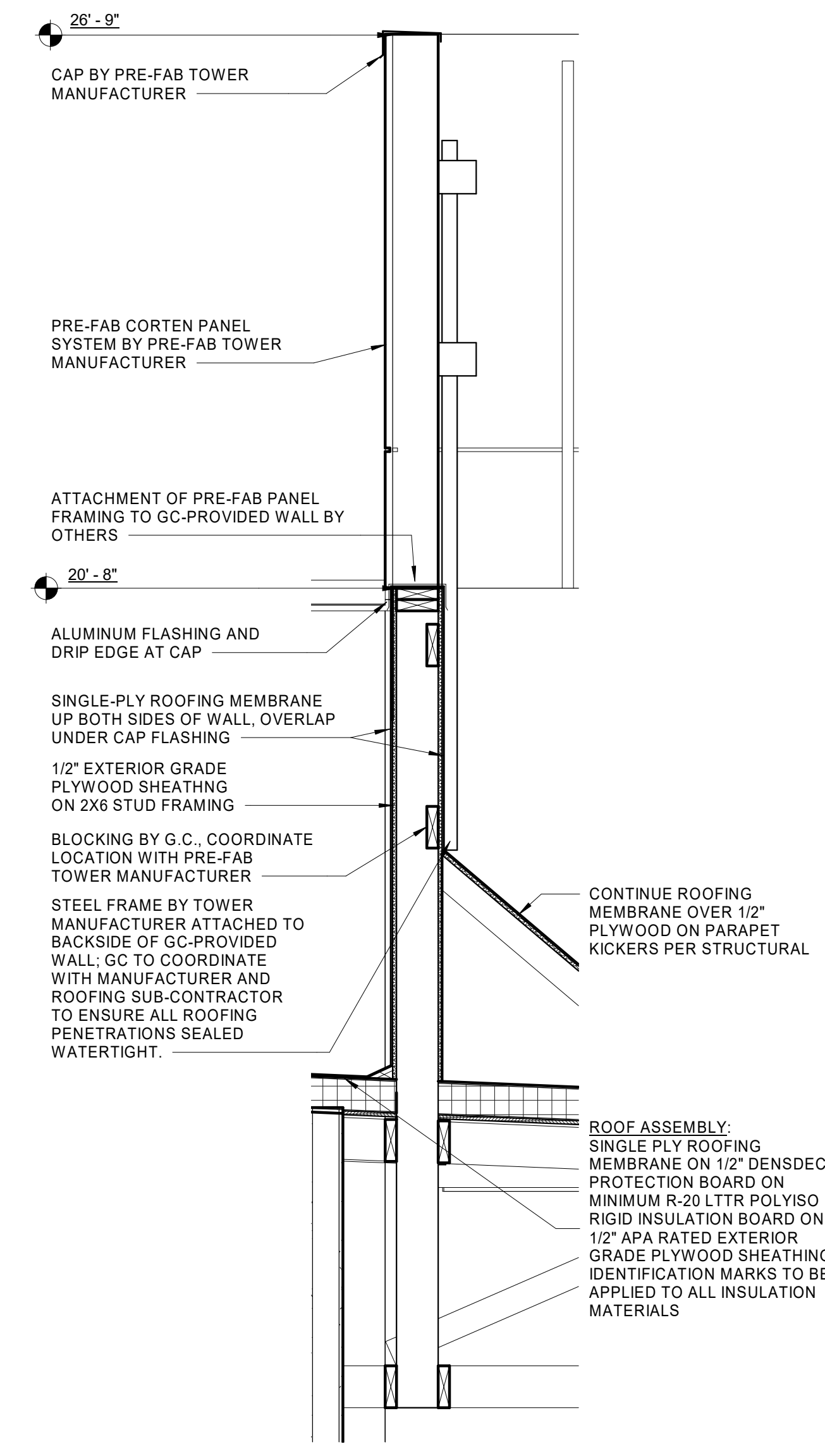


WALL SECTIONS

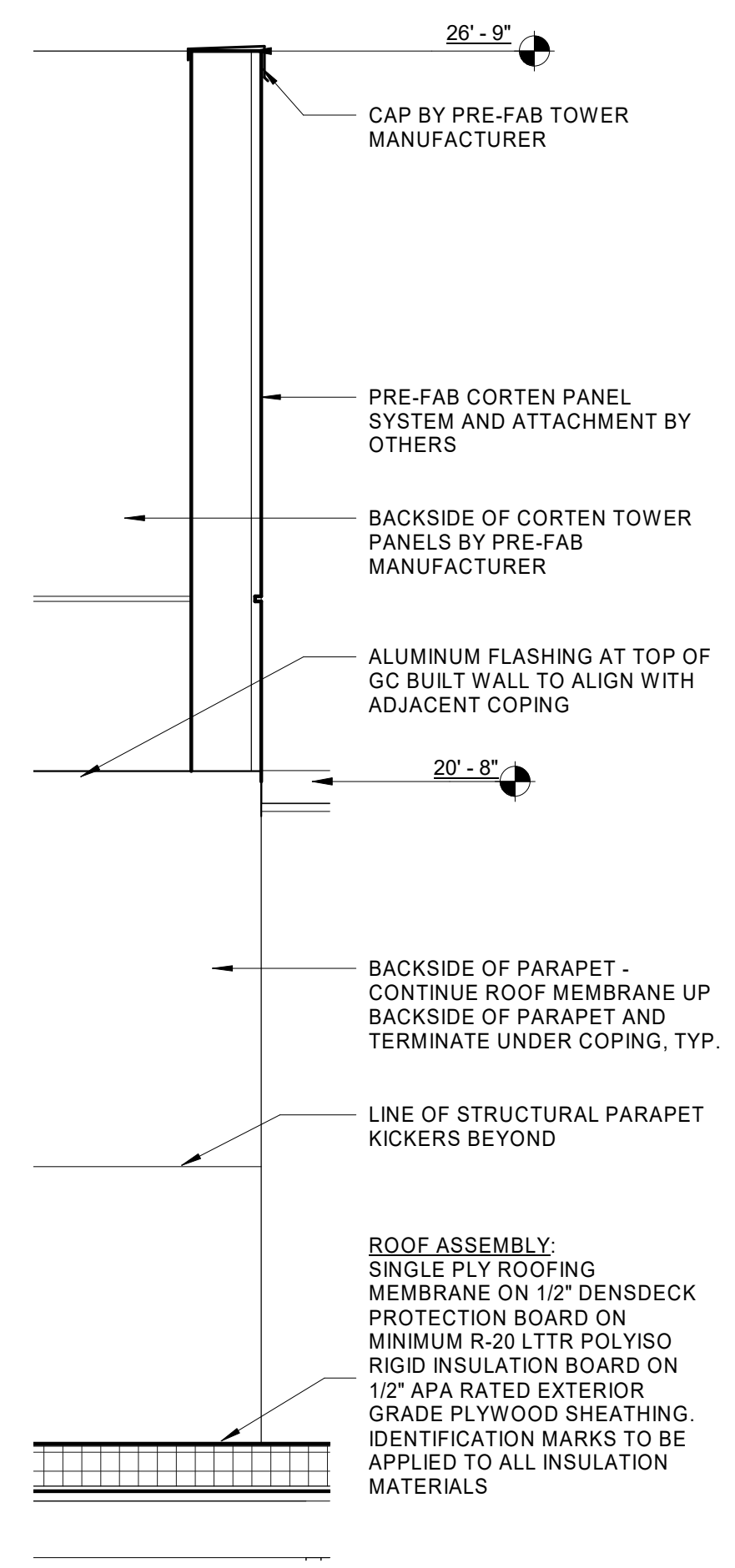
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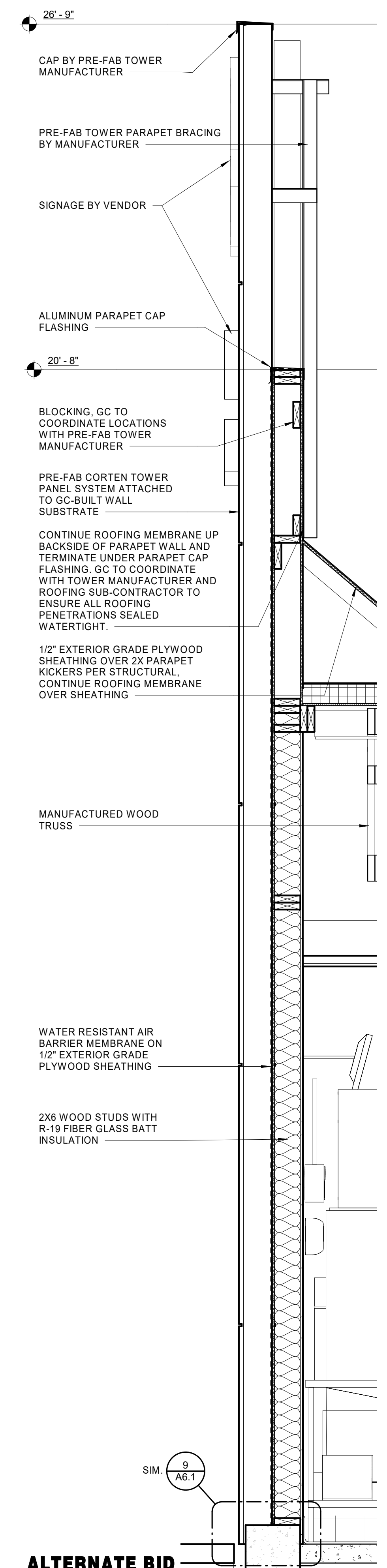




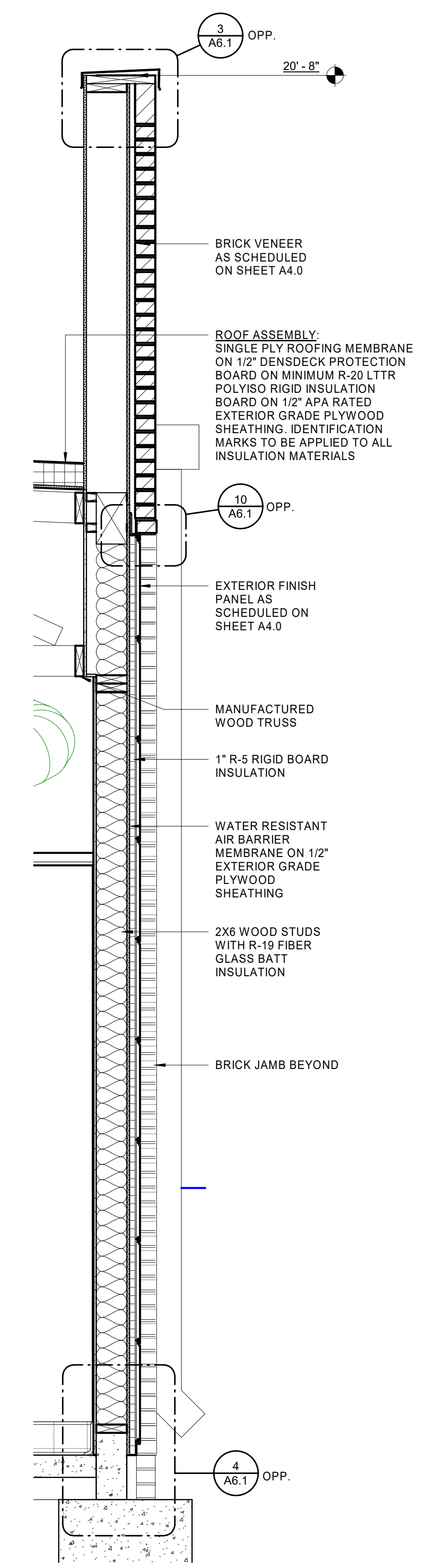
ALTERNATE BID
WALL SECTION - PRE-FAB TOWER OVERBUILD 3/4" = 1'-0" **D**



ALTERNATE BID
WALL SECTION - PRE-FAB TOWER BACK SIDE 3/4" = 1'-0" **C**



ALTERNATE BID
WALL SECTION - PRE-FAB TOWER 3/4" = 1'-0" **B**



WALL SECTION @ HARDIE / BRICK TYP. 3/4" = 1'-0" **A**

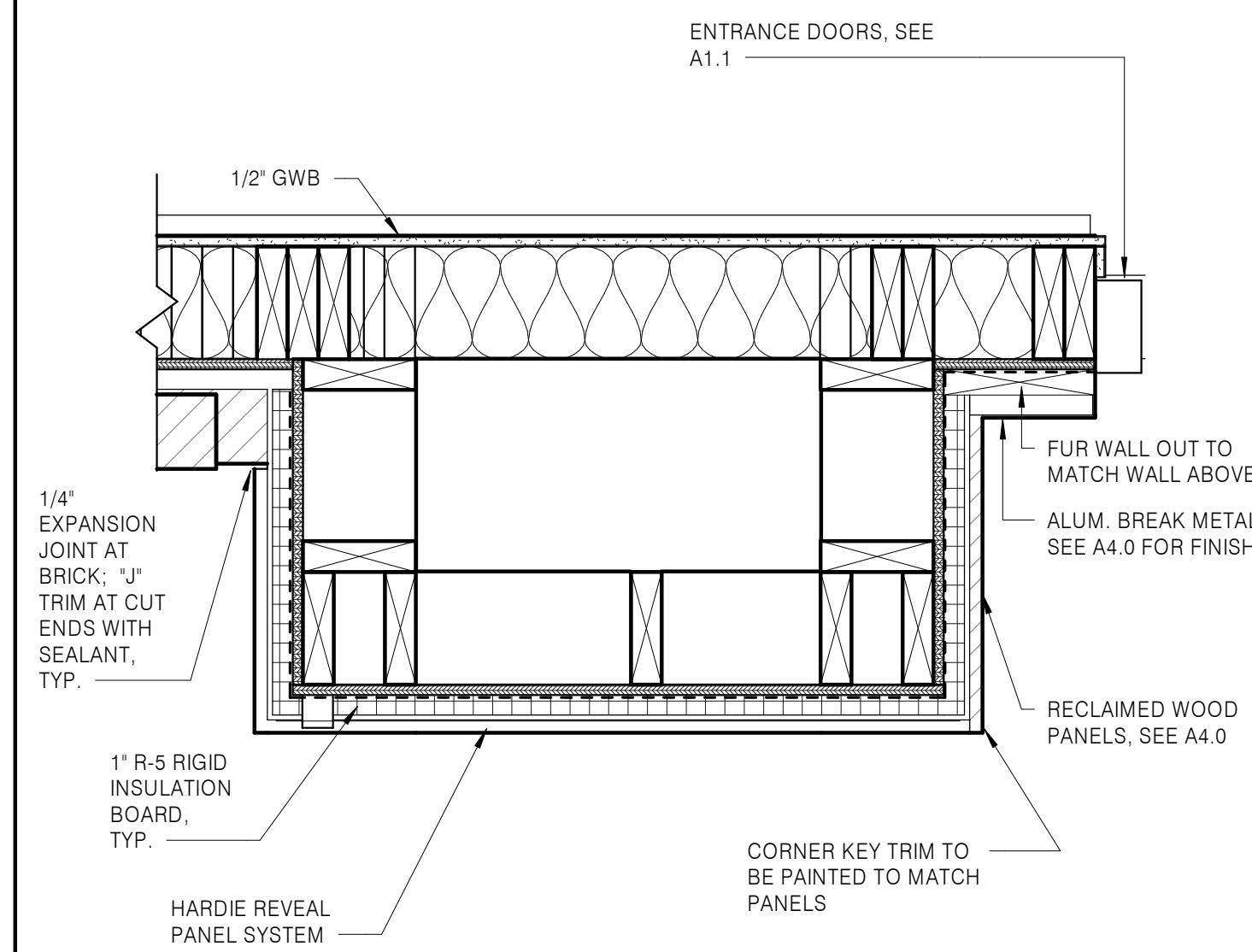
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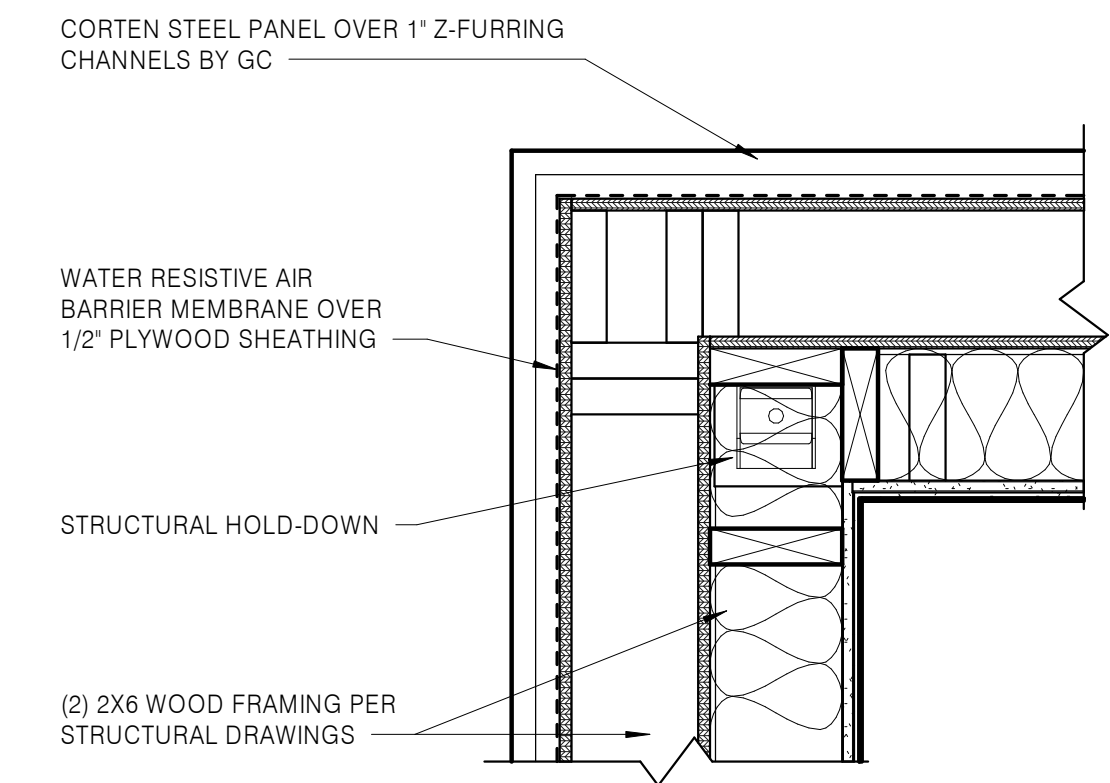
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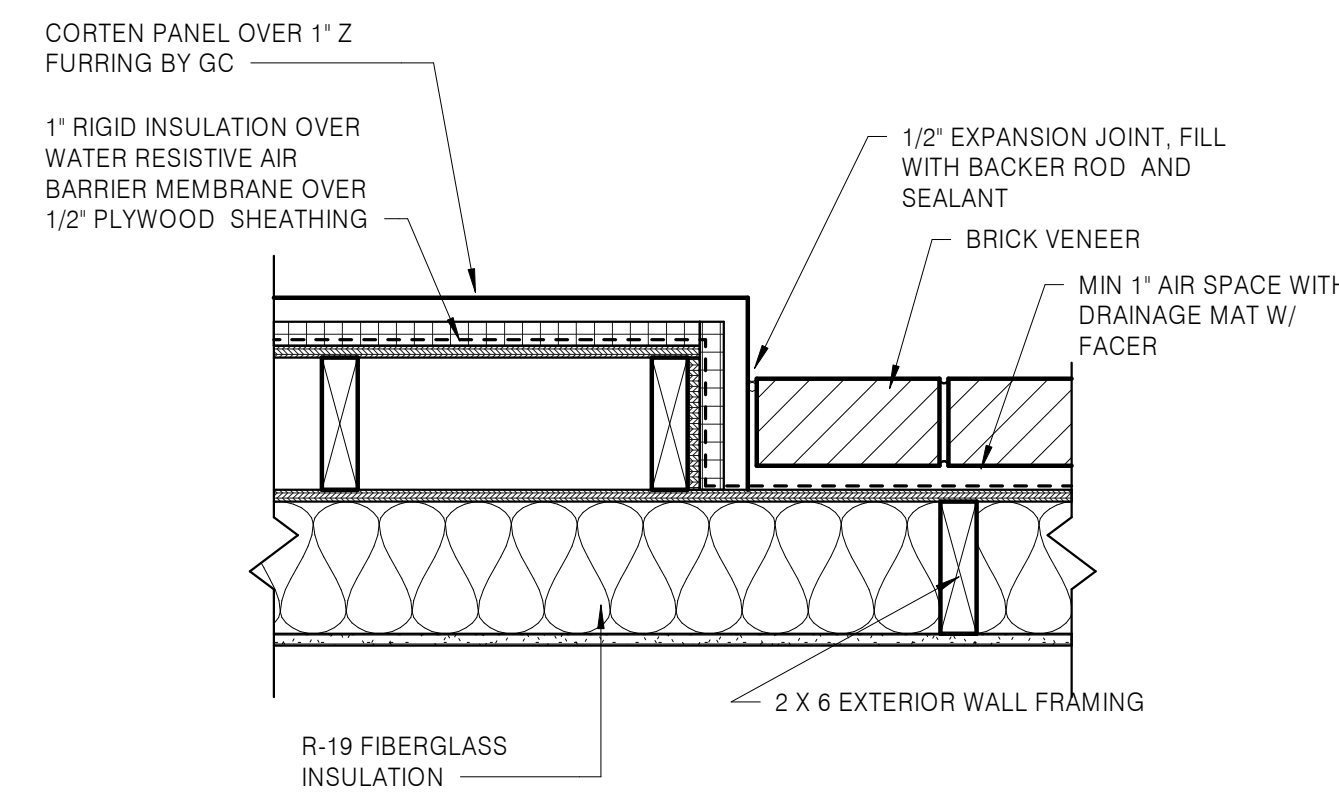
WALL SECTIONS



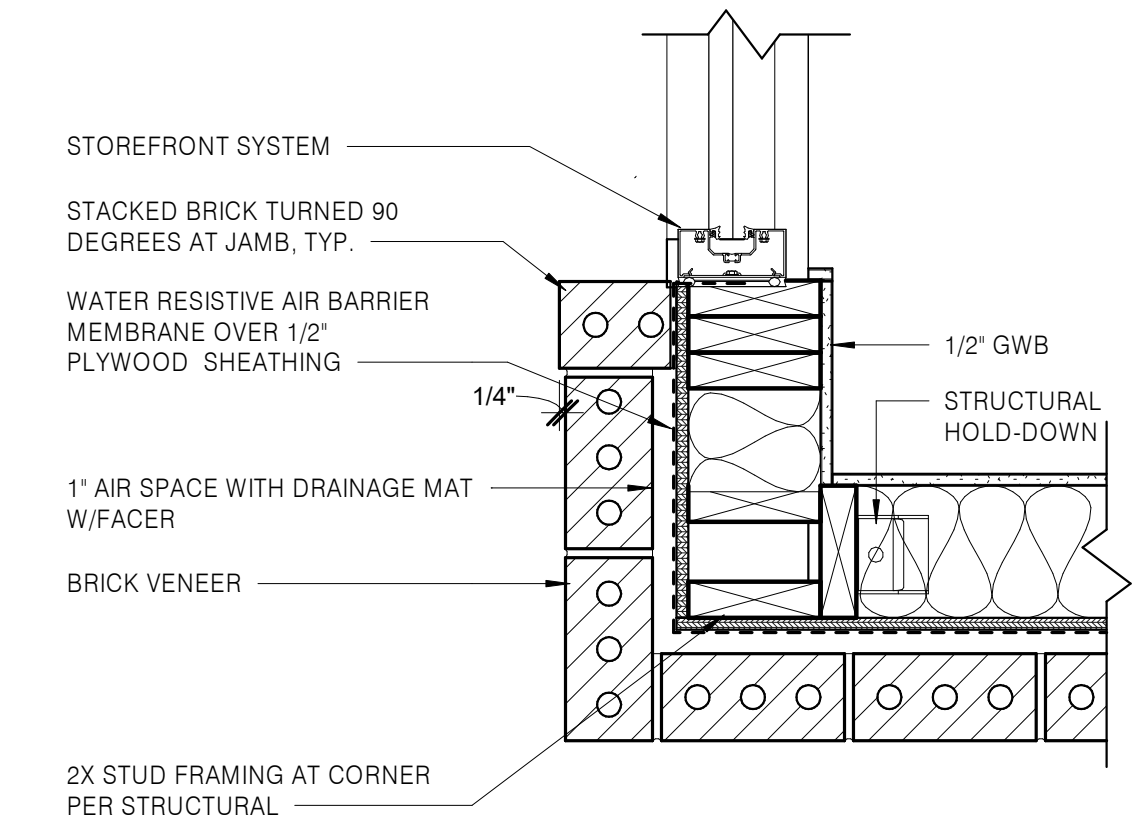
PORTAL DETAIL 1 1/2" = 1'-0" **4**



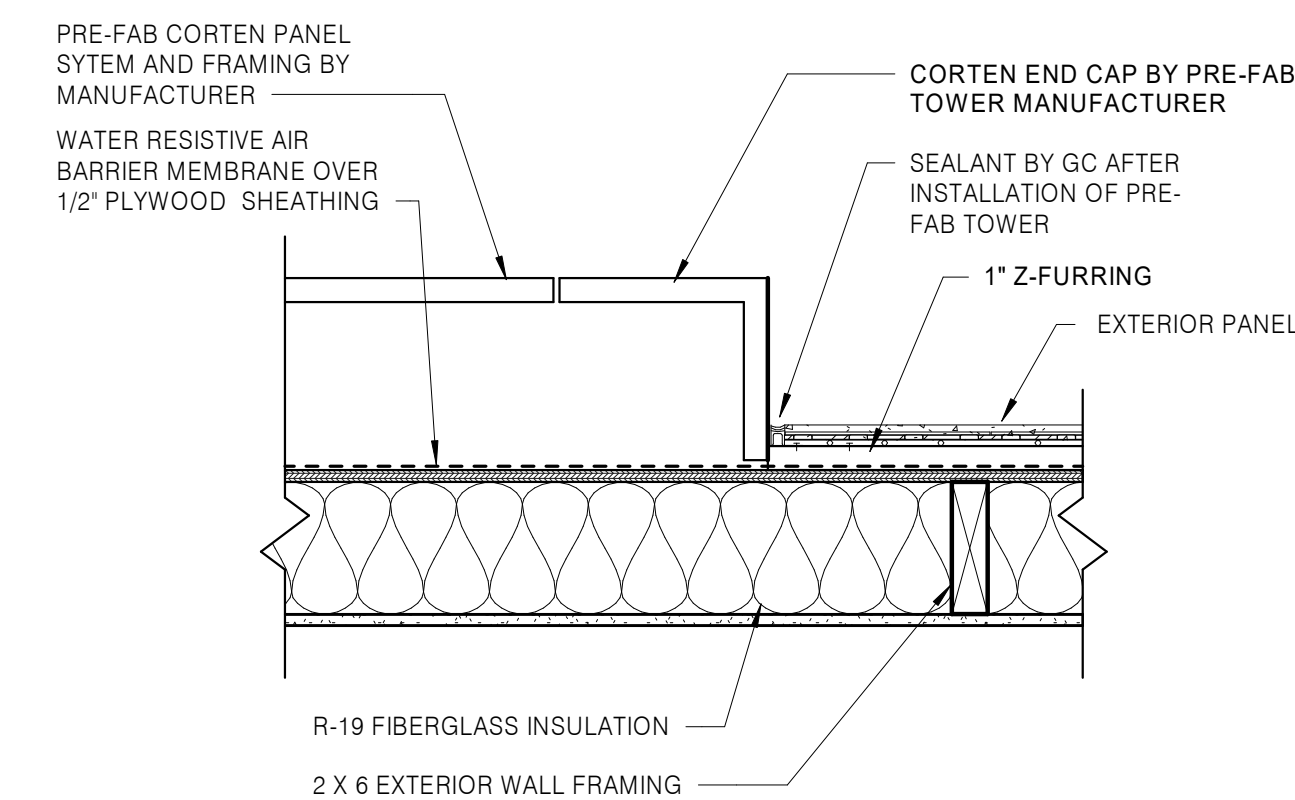
TOWER - CORNER DETAIL 1 1/2" = 1'-0" **1**



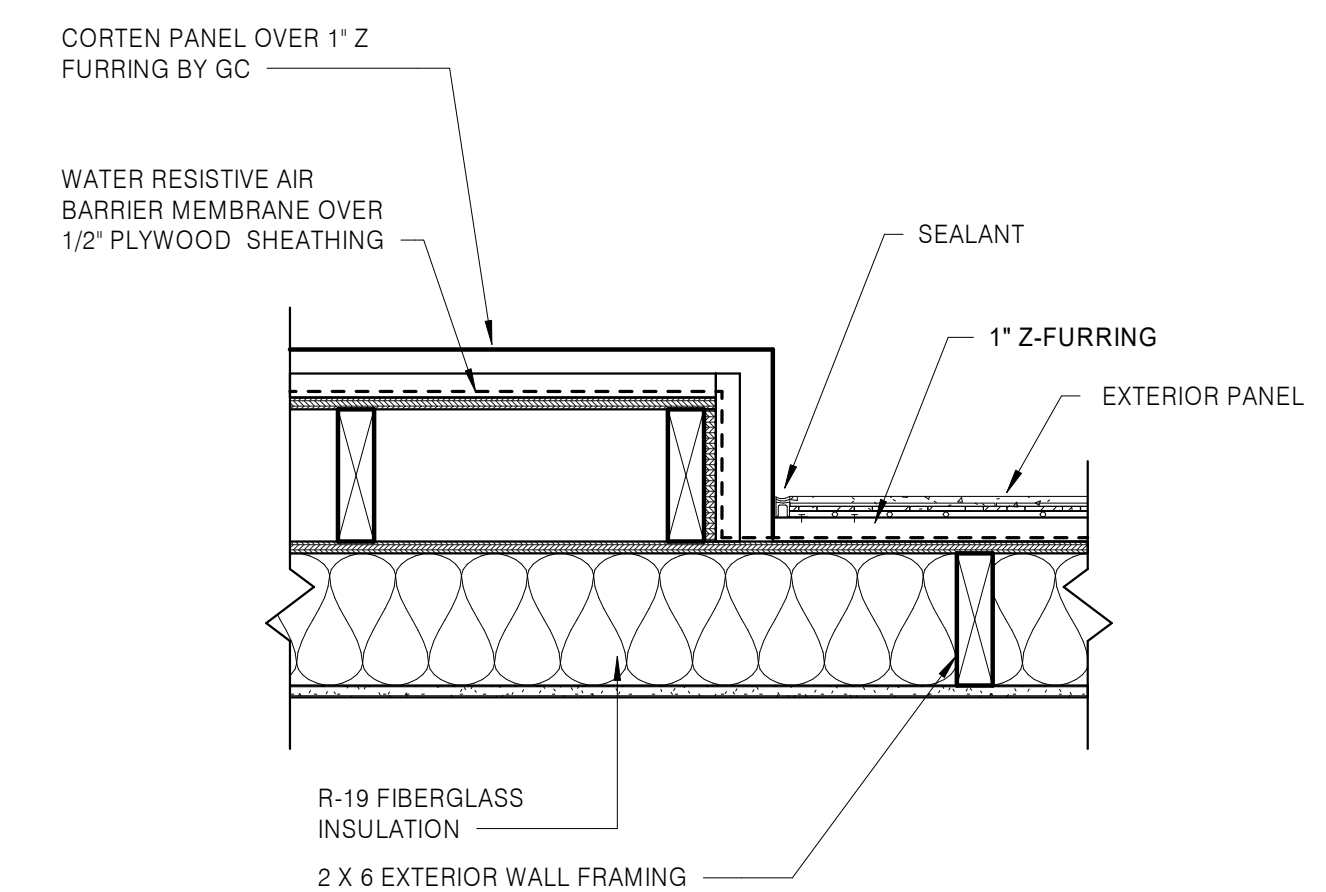
CORTEN TO BRICK TRANSITION DETAIL 1 1/2" = 1'-0" **5**



HARDIE - CORNER DETAIL 1 1/2" = 1'-0" **2**



ALTERNATE BID
CORTEN TO HARDIE TRANSITION DETAIL 1 1/2" = 1'-0" **6**



CORTEN TO HARDIE TRANSITION DETAIL 1 1/2" = 1'-0" **3**

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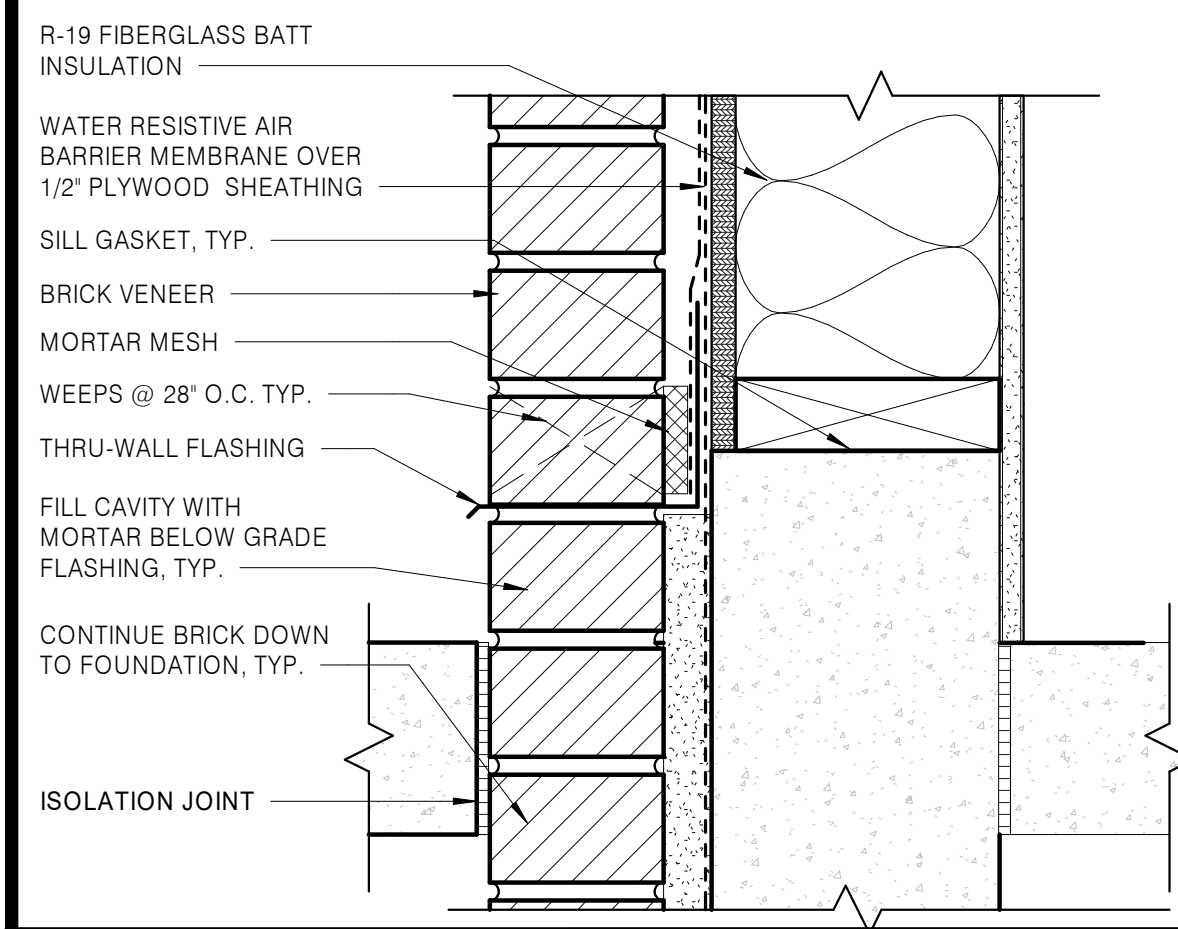


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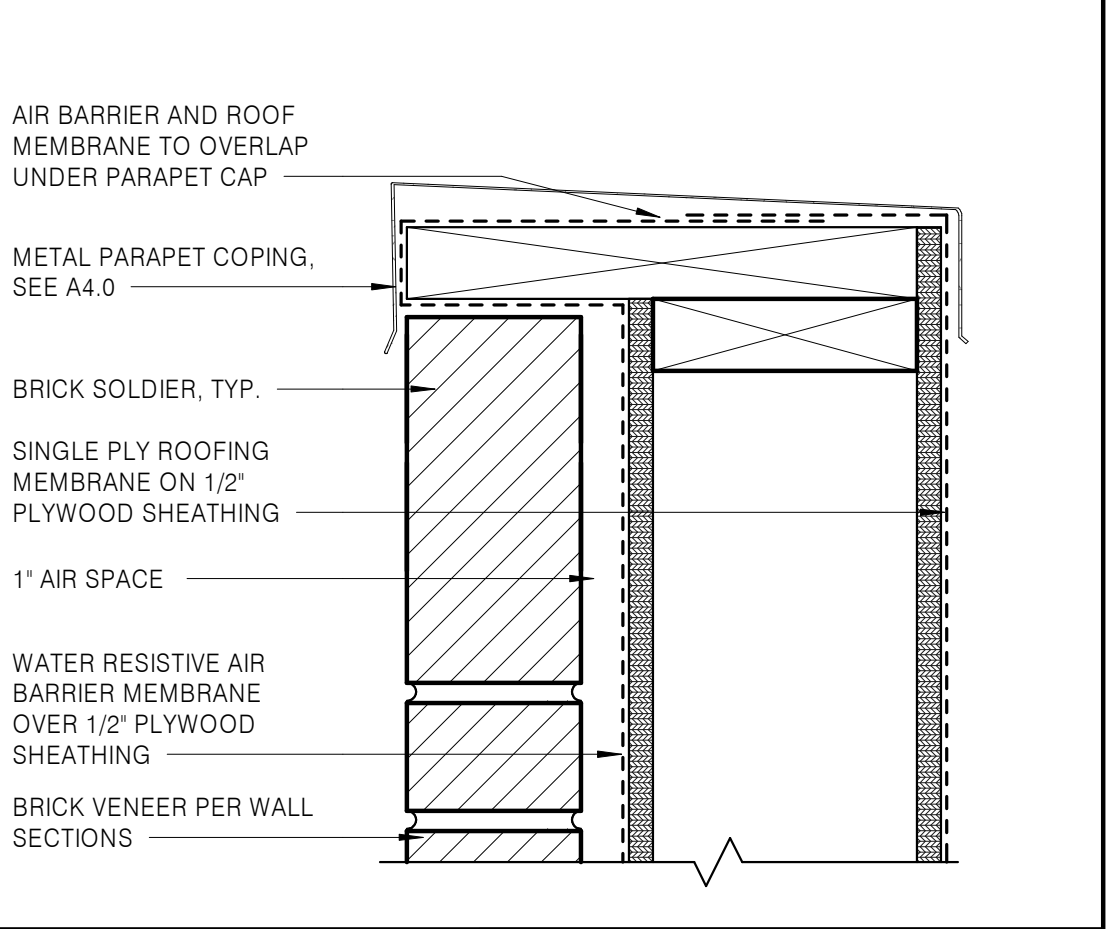
CONSTRUCTION PLAN DETAILS

A6.0

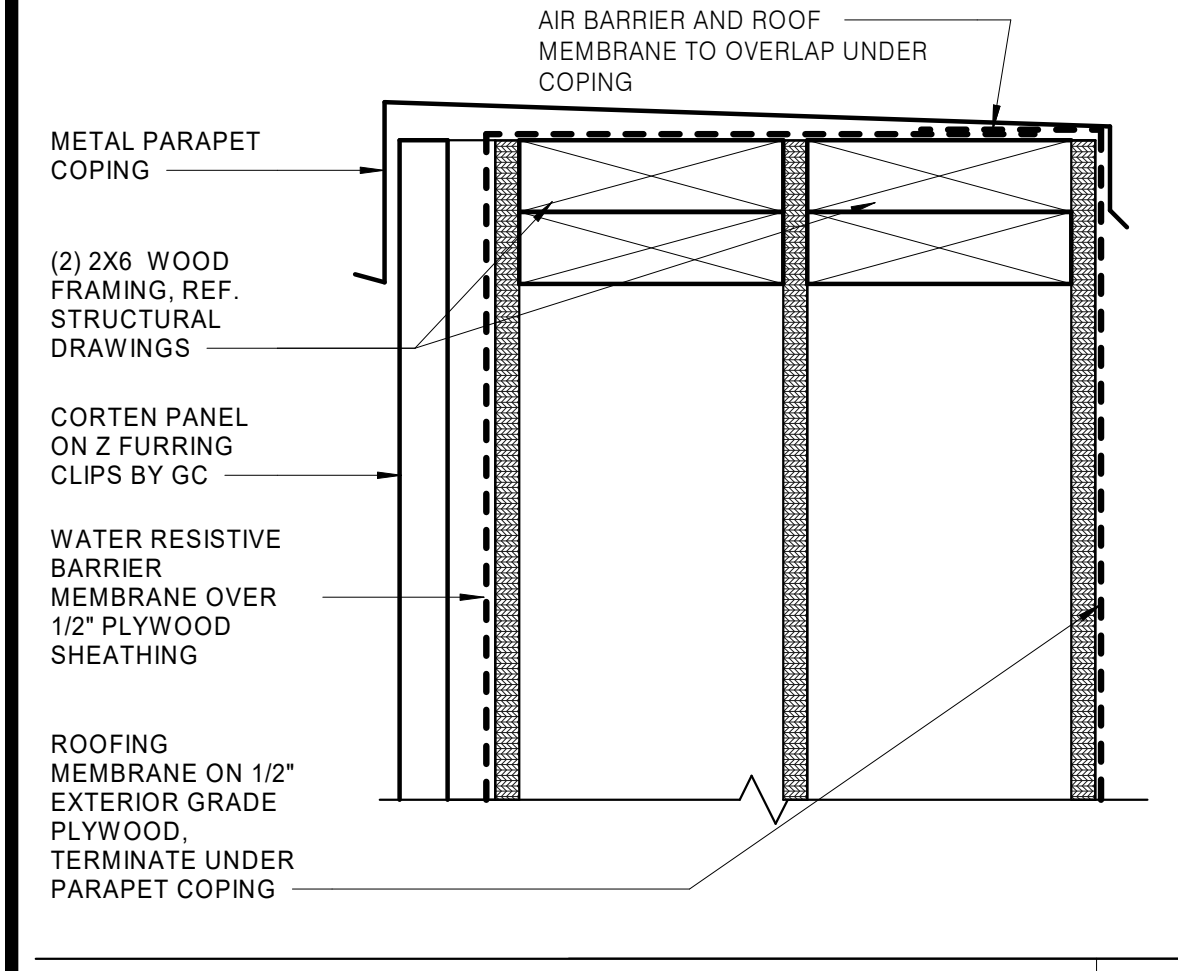
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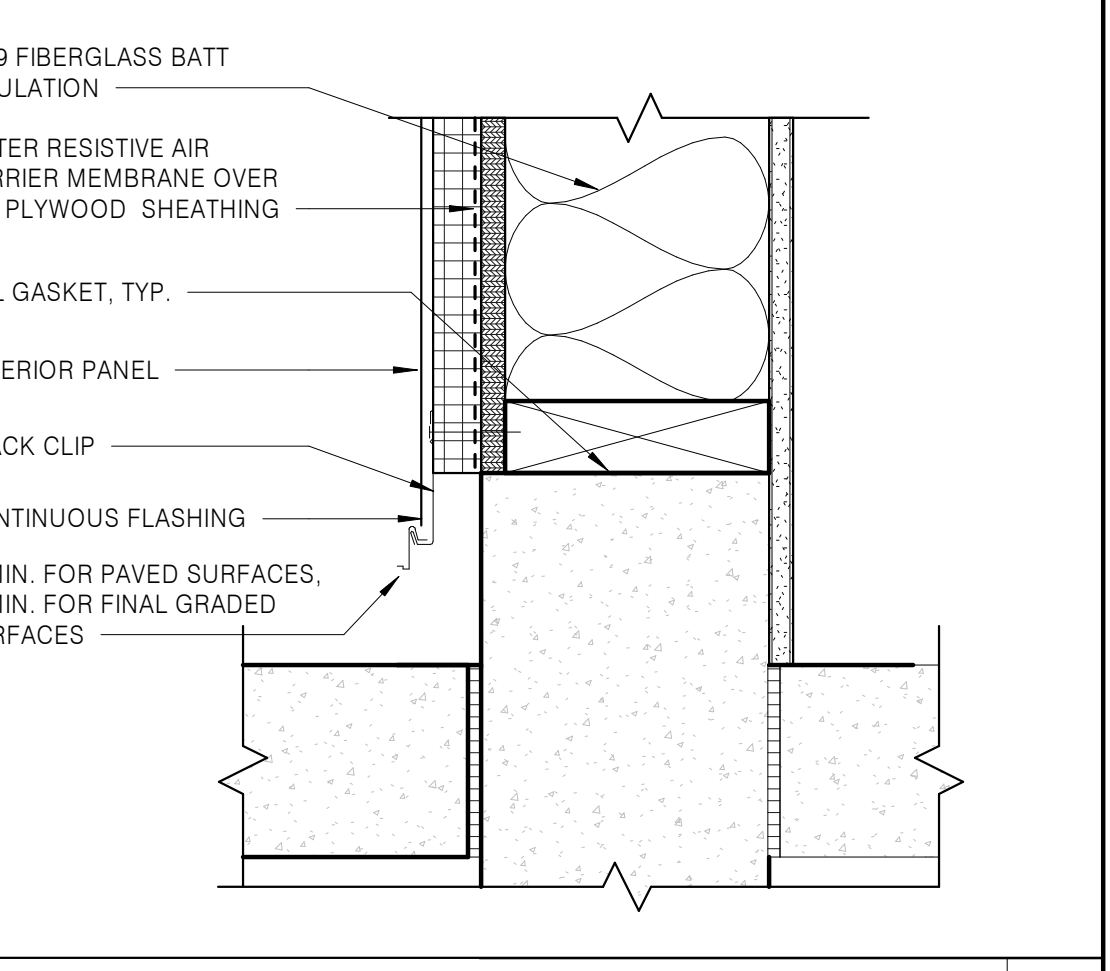
BASE AT BRICK VENEER 3" = 1'-0" **7**



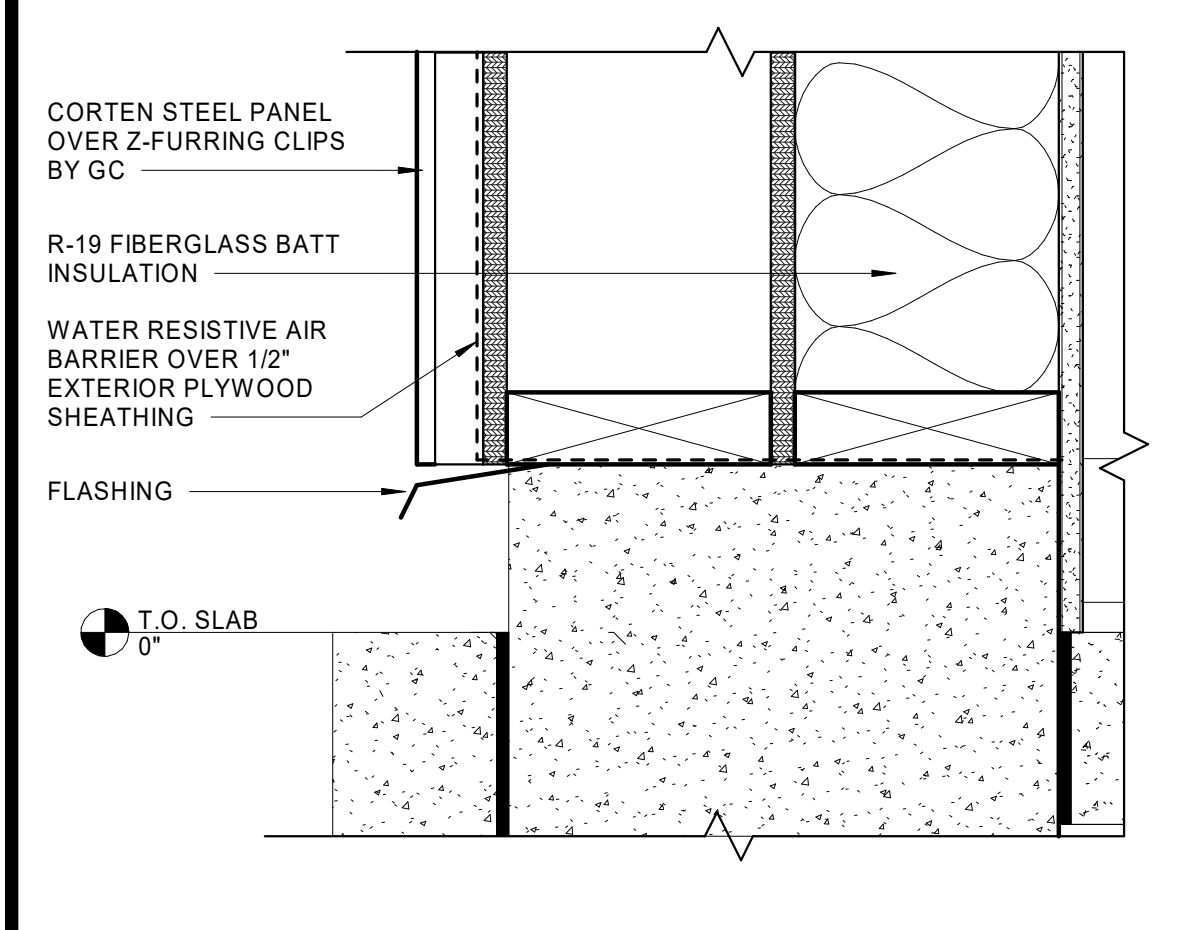
HEAD AT BRICK VENEER 3" = 1'-0" **3**



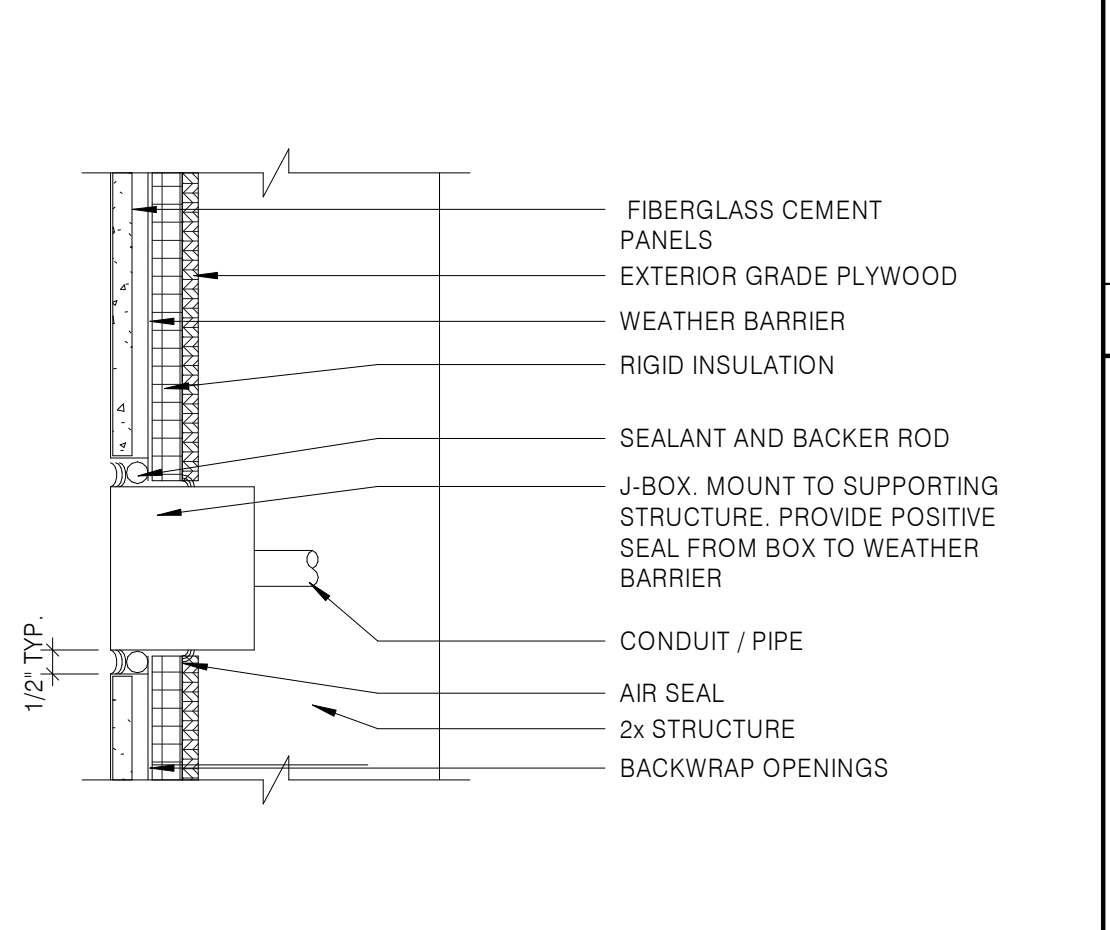
HEAD AT TOWER DETAIL 3" = 1'-0" **8**



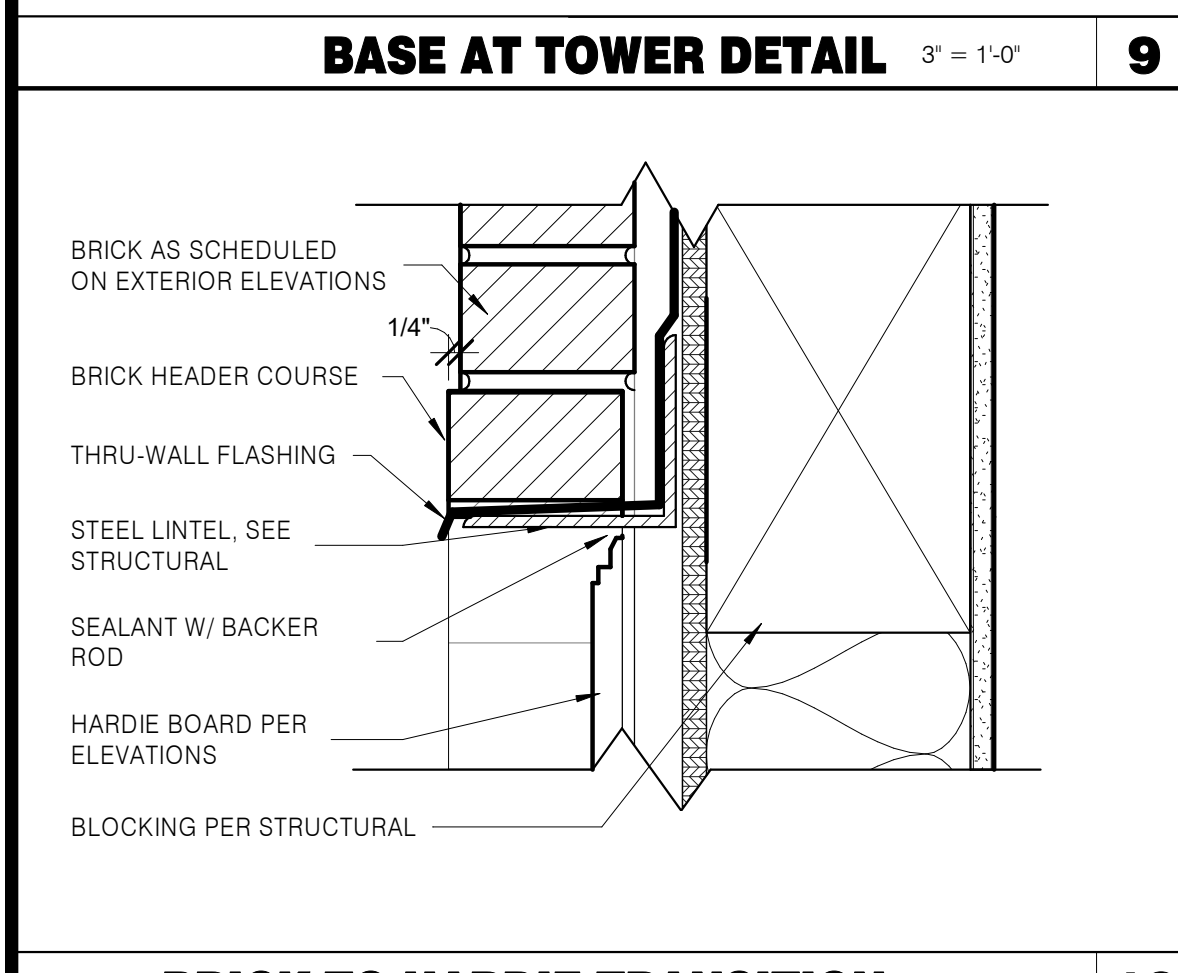
BASE AT HARDIE SIDING 3" = 1'-0" **4**



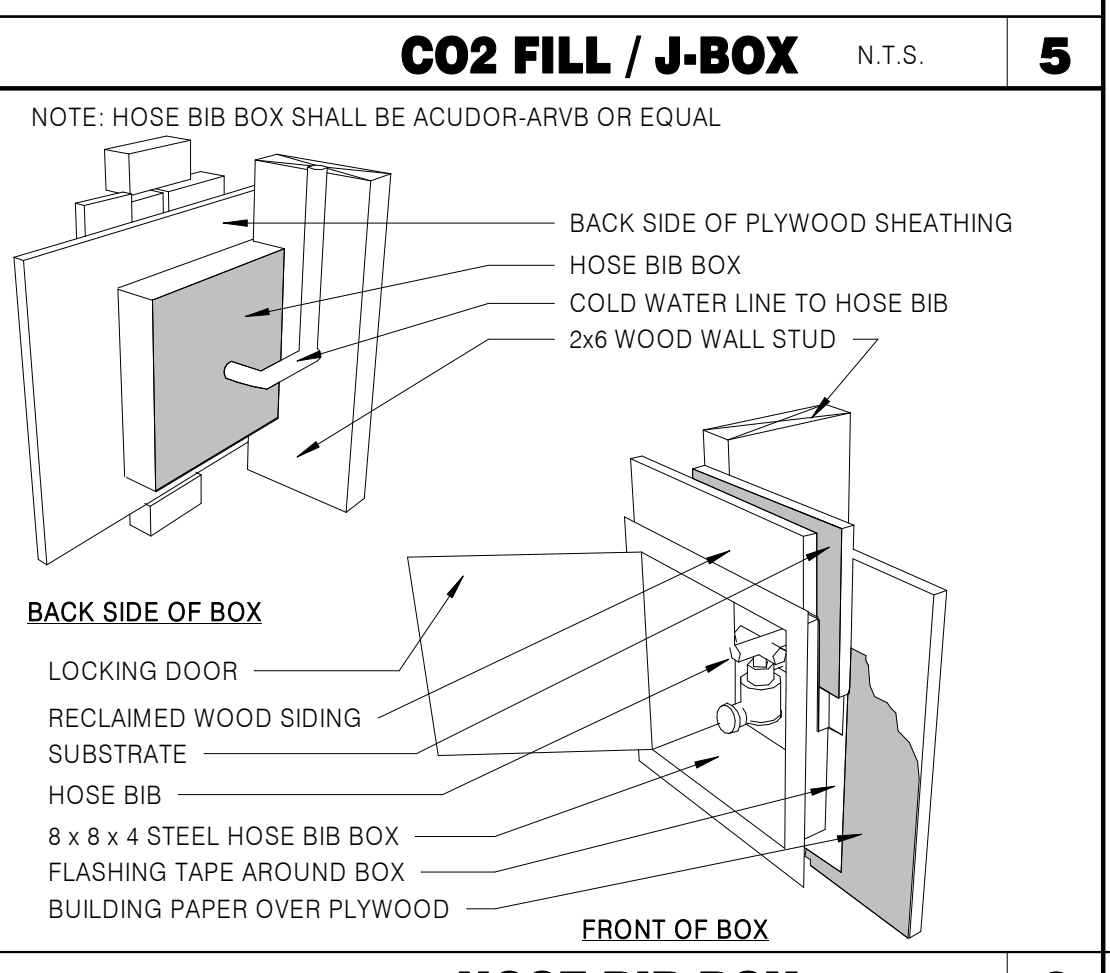
BASE AT TOWER DETAIL 3" = 1'-0" **9**



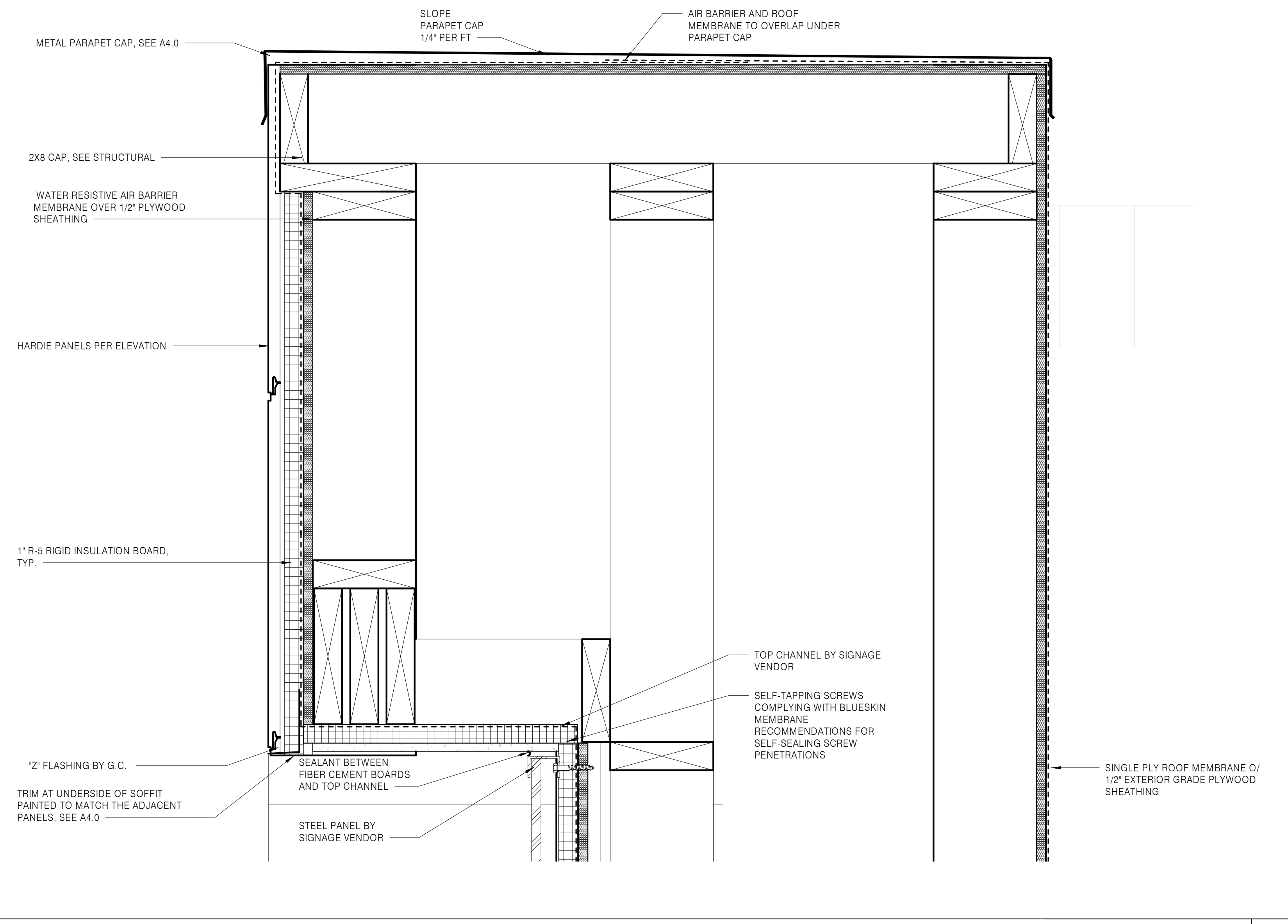
CO2 FILL / J-BOX N.T.S. **5**



BRICK TO HARDIE TRANSITION 3" = 1'-0" **10**



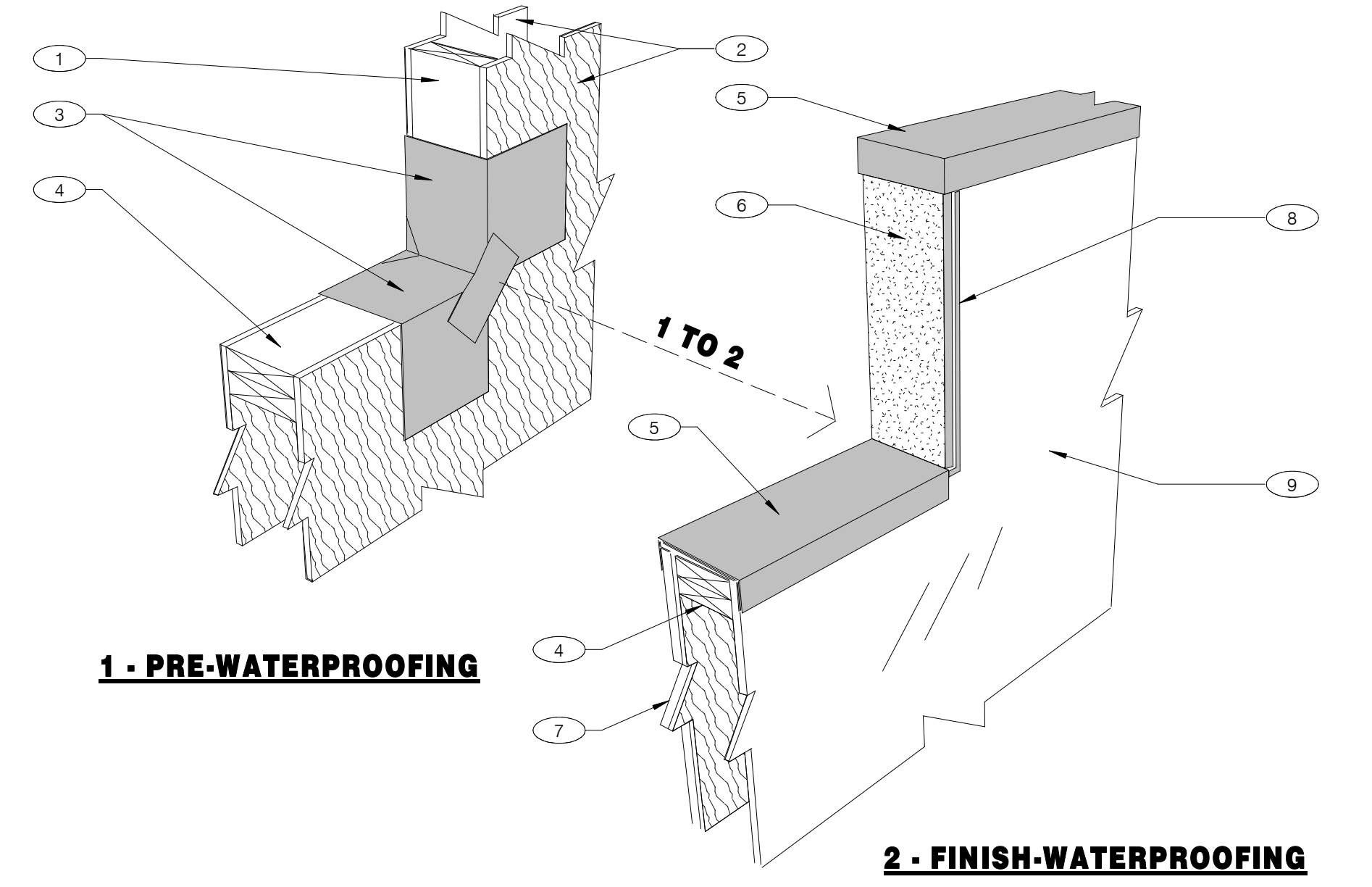
HOSE BIB BOX N.T.S. **6**



ENTRANCE PORTAL HEAD DETAIL 3" = 1'-0" **1**

- NOTES**
- (1) 2X WOOD STUDS
 - (2) PLYWOOD SUBSTRATE FOR EXTERIOR WALLS
 - (3) FLASHING TAPE AT ALL VERTICAL PARAPET TRANSITIONS. EXTEND TAPE 12" OUTWARD AND UPWARD FROM CORNER AS SHOWN. LAP CORNERS WITH ANGLED TAPE AS SHOWN TO INSURE FULL COVERAGE AT CORNERS
 - (4) DOUBLE 2X TOP PLATE.
 - (5) PAINTED 24 GAUGE PARAPET COPING. SLOPE 1/4:1 TOWARDS ROOF WITH FIBER CANT STRIPS UNDER COPING. LAP FRONT AND BACK EDGE 2" DOWN VERTICAL FACE. LAP EXPOSED COPING EDGE EXPOSED ENDS AT VERTICAL PARAPET TRANSITION.
 - (6) WRAP 1" THICK EIFS ONTO VERTICAL FACE OF PARAPET TRANSITION
 - (7) FINISH AS CALLED OUT ON EXTERIOR ELEVATIONS. SEE SHEET A4.0 AND A4.1
 - (8) TERMINATION BAR AT VERTICAL TRANSITION OF EIFS AND MEMBRANE ROOFING. SEAL VERTICAL GAP BETWEEN TERMINATION BAR AND EIFS PER ROOFING MANUFACTURER SPECIFICATIONS.
 - (9) PVC ROOFING MEMBRANE ON BACKSIDE OF PARAPET.

IMPORTANT: ONLY FASTEN PARAPET COPING ALONG THE FRONT AND BACK VERTICAL EDGE. NEVER ON TOP OF COPING.



1 - PRE-WATERPROOFING

2 - FINISH-WATERPROOFING

PARAPET CAP & TRANSITION 12" = 1'-0" **2**

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CONTRACT DATE:
BUILDING GROUP: T40M-O
FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

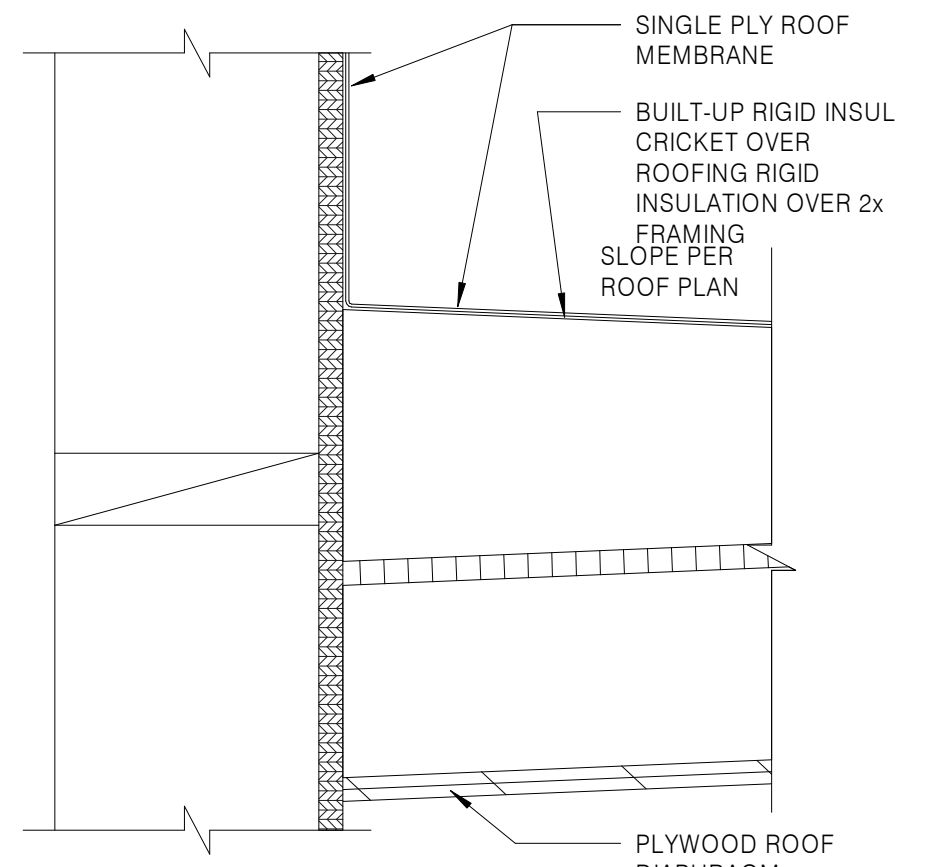
TACO BELL
7931 LAPEER RD
DAVISON, MI 48423

T40

CONSTRUCTION DETAILS - WALL

A6.1

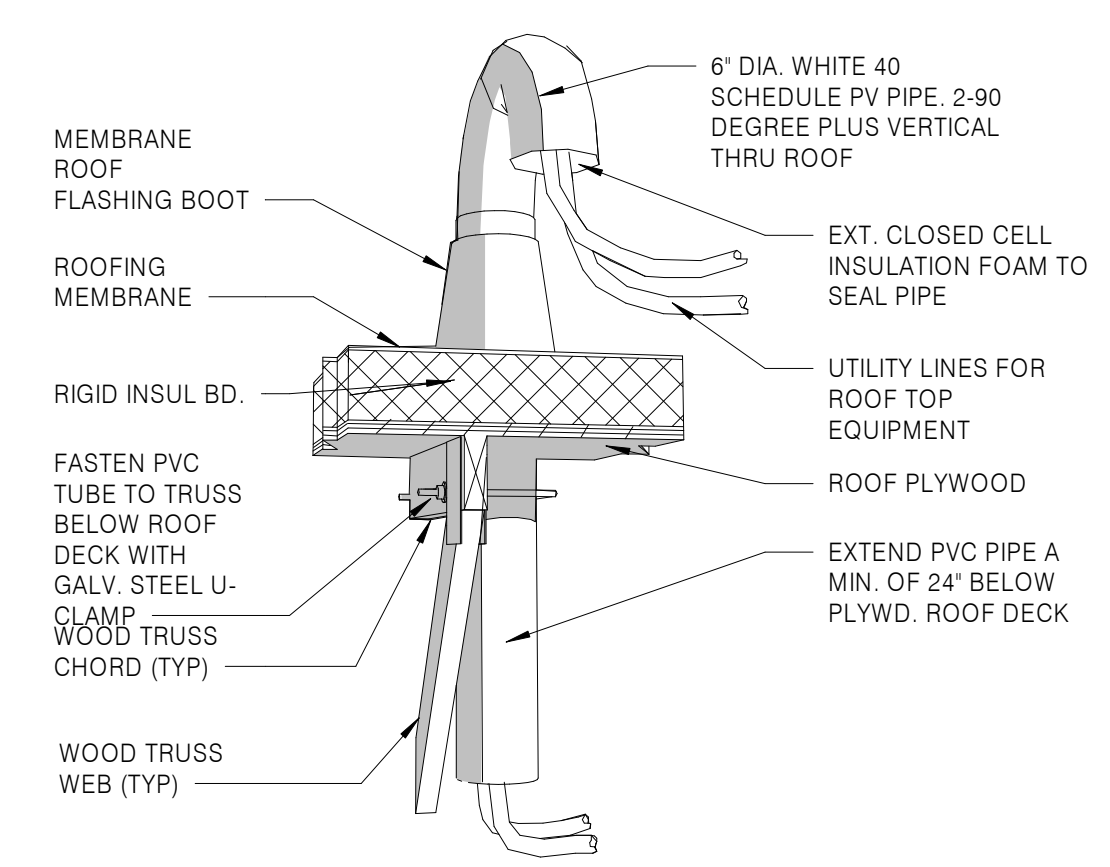
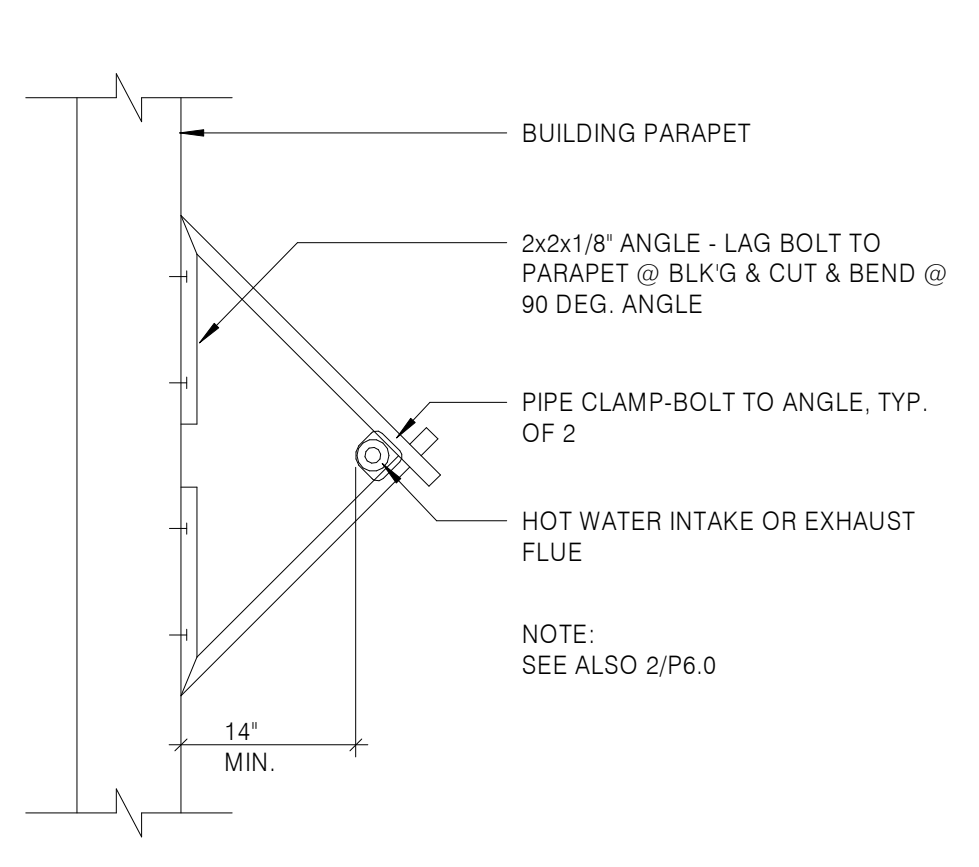
PLOT DATE: 8/21/2019 2:28:24 PM



CRICKET 3' = 1'-0"

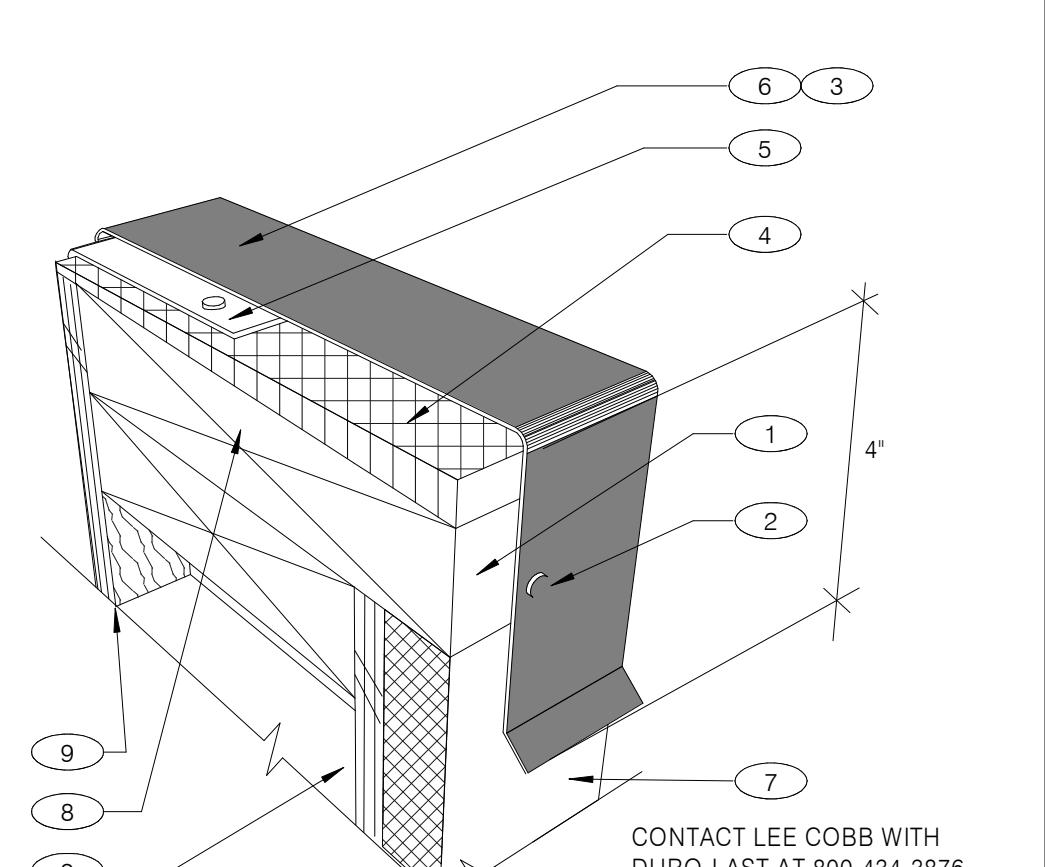
12

W.H. FLUE / INTAKE PIPE SUPPORT N.T.S. 8



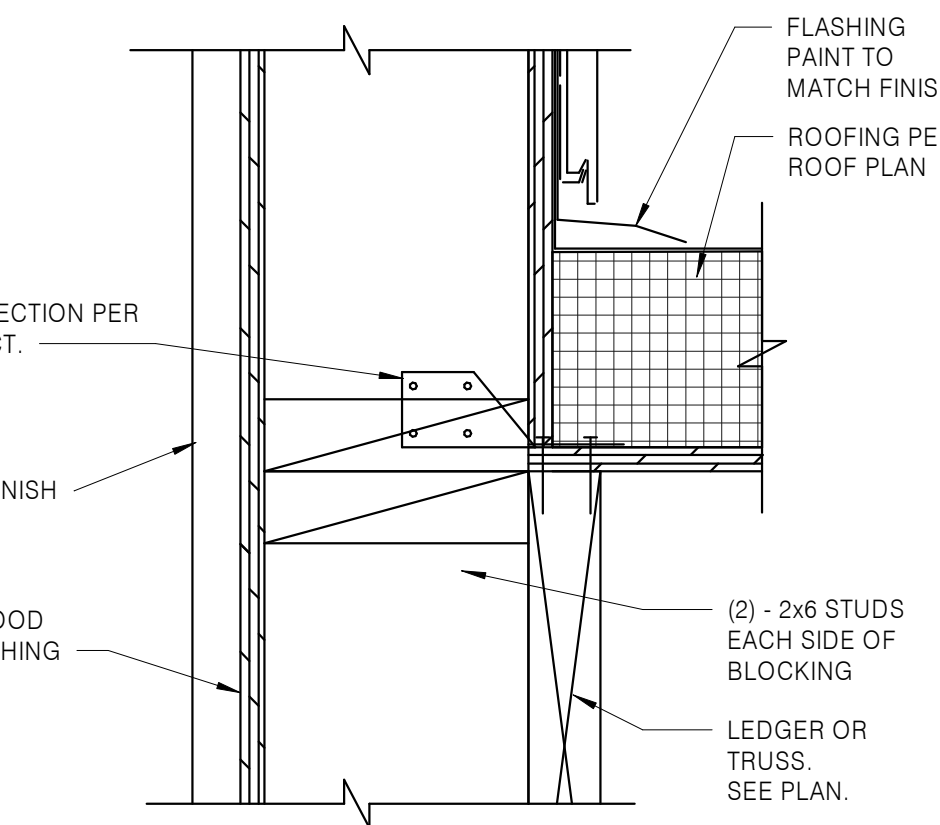
PIPE HOOD N.T.S. 6

COPING JOINT N.T.S. 3

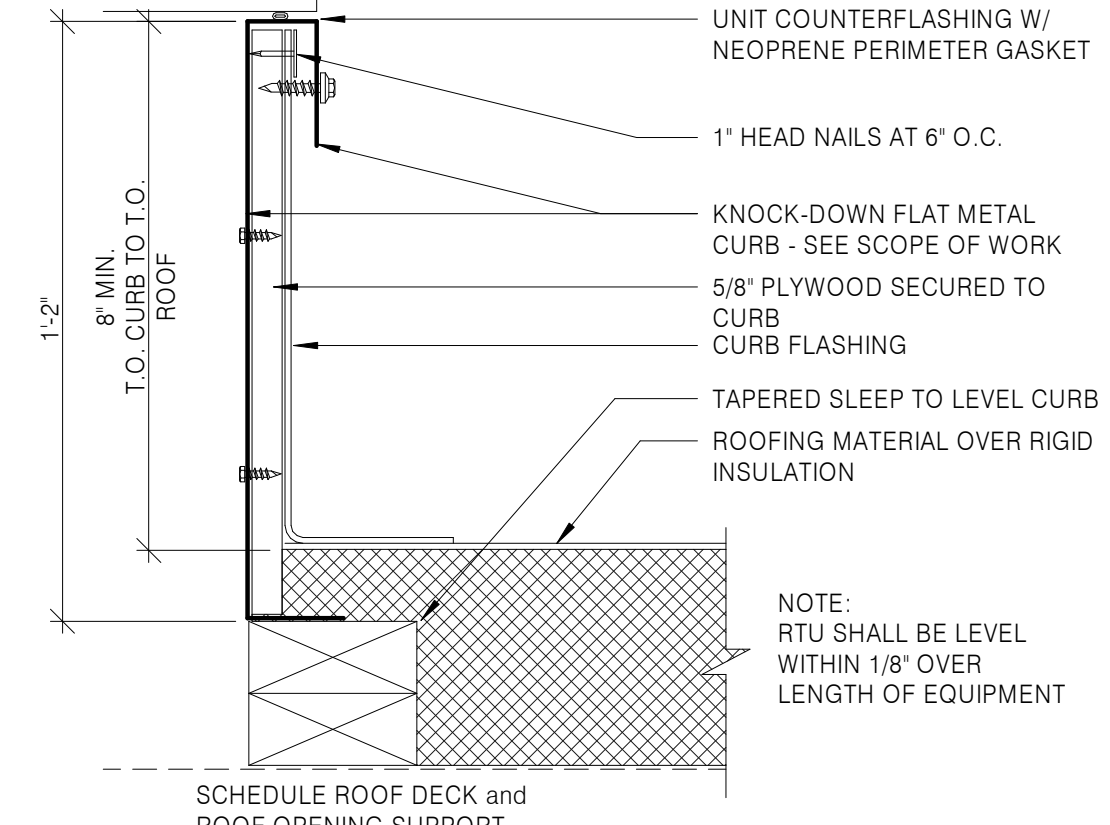


NOTES

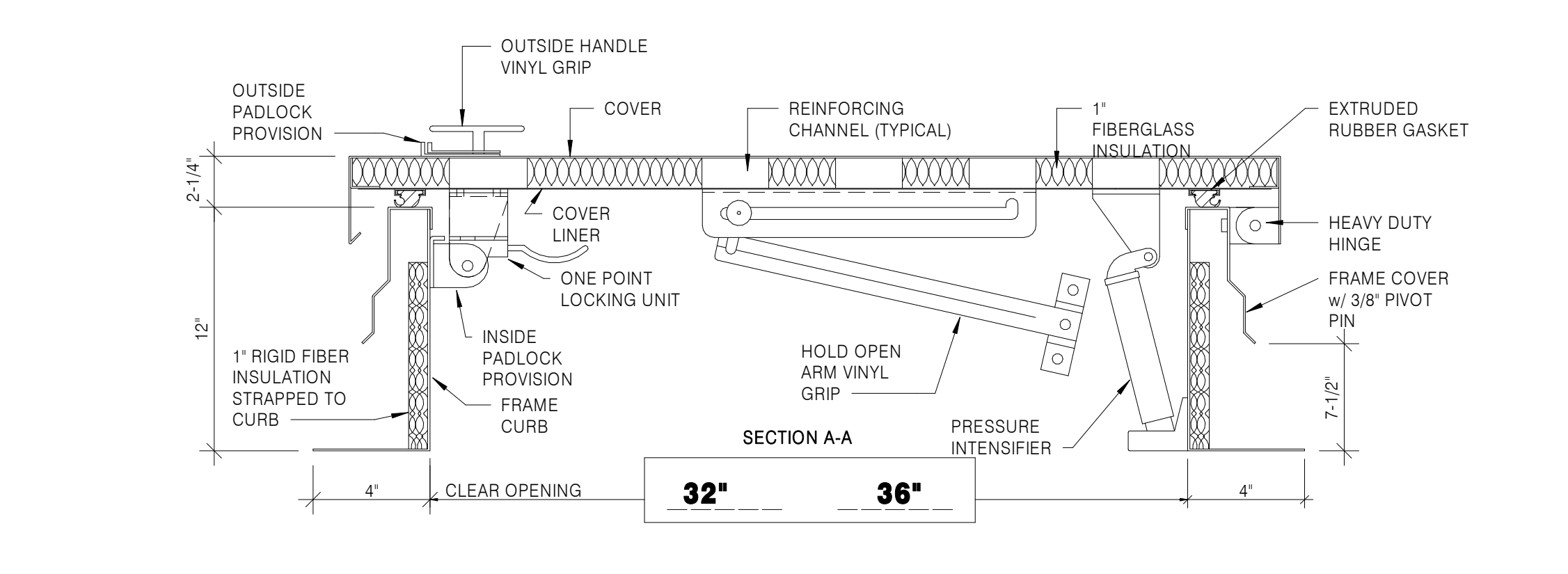
- 1 PROVIDE 2X TOP PLATE FOR USE AS A WOOD NAILER TO MATCH THE THICKNESS OF THE WALL FINISH. TOP OF WOOD NAILER SHALL BE FLUSH WITH TOP OF WALL FINISH. THE WOOD NAILER SHALL EXTEND AT LEAST 1/2" INCH BEYOND THE LOWER HORIZONTAL EDGE OF THE PARAPET COPING TO ALLOW FOR PROPER FASTENING.
- 2 FASTENERS USED TO ATTACH THE COPING TO WOOD NAILERS MUST BE SPACED NO GREATER THAN 18" INCHES ON-CENTER.
- 3 ALLOW FOR 1/8" INCH EXPANSION GAP BETWEEN 10-FOOT LENGTHS OF COPING. PROVIDE A COPING JOINT COVERS BETWEEN ENDS OF COPING PIECES AND AT CORNERS. JOINT COVERS SHOULD BE MADE FROM THE SAME MATERIAL AS THE COPING AND SHOULD LAP THE JOINTS A MINIMUM OF 6" ON EITHER SIDE. JOINT COVERS SHALL BE FASTENED THE SAME WAY AS THE COPING.
- 4 FIBER CANT STRIP SLOPED 1/4":12 TOWARDS ROOF.
- 5 ROOF MEMBRANE
- 6 FACTORY PAINTED 24 GAUGE METAL COPING WITH 4" DROP FRONT, BACK AND ENDS (WHERE SHOWN).
- 7 WALL FINISH: TYPICALLY 3-5/8" BRICK VENEER SOLDIER COURSE
- 8 DOUBLE 2X TOP PLATE
- 9 PLYWOOD SUBSTRATE. SEE SHEET A1.0 & S2.0 FOR ADDITIONAL DETAILS.



CON. @ STUD AND @ BLOCKING 12' = 1'-0" 13



HVAC CURB 3' = 1'-0" 9



ROOF LADDER AND HATCH 3' = 1'-0" 4

HATCH MATERIAL:
GALVANIZED STEEL (PRIME PAINTED)
COVER - 14 GA. GALV STEEL
FRAME COVER - 14 GA. GALV STEEL
FRAME CURB - 14 GA. GALV STEEL
COVER LINER - 22 GA. GALV STEEL

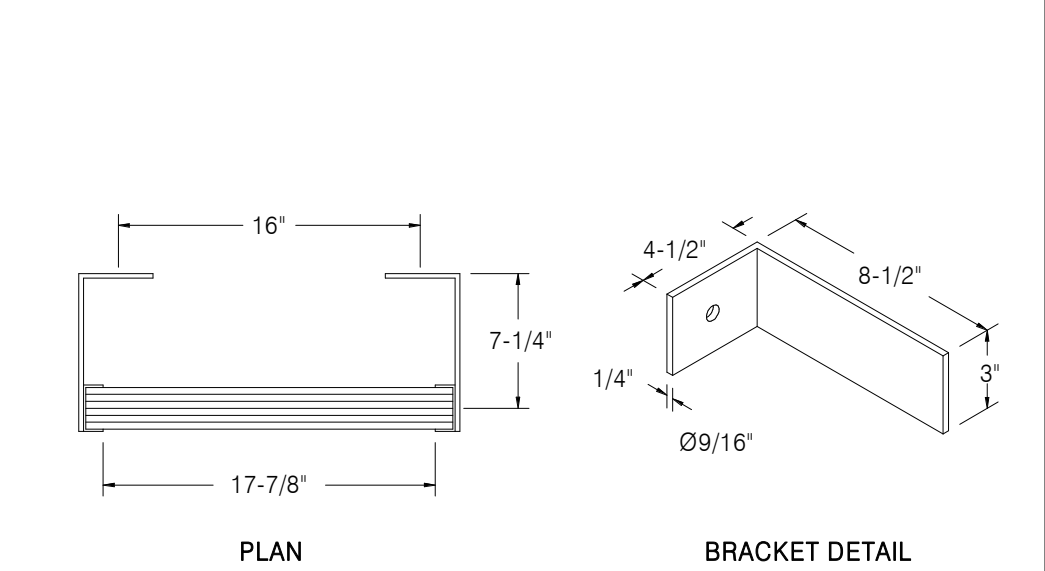
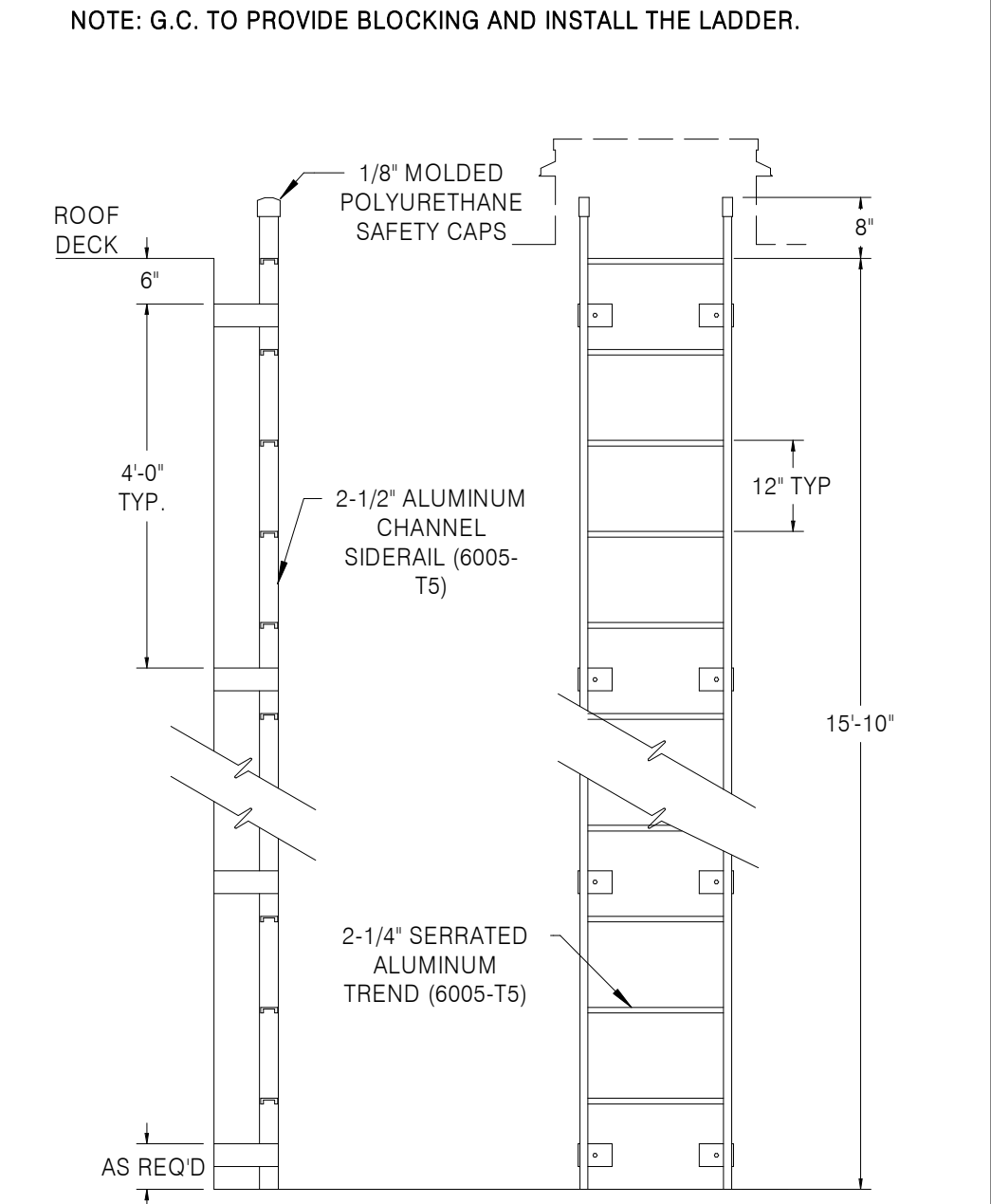
HATCH FINISH:
GALV - PRIME PAINTED

MANUFACTURER:
PRECISION LADDERS, LLC OR EQUAL

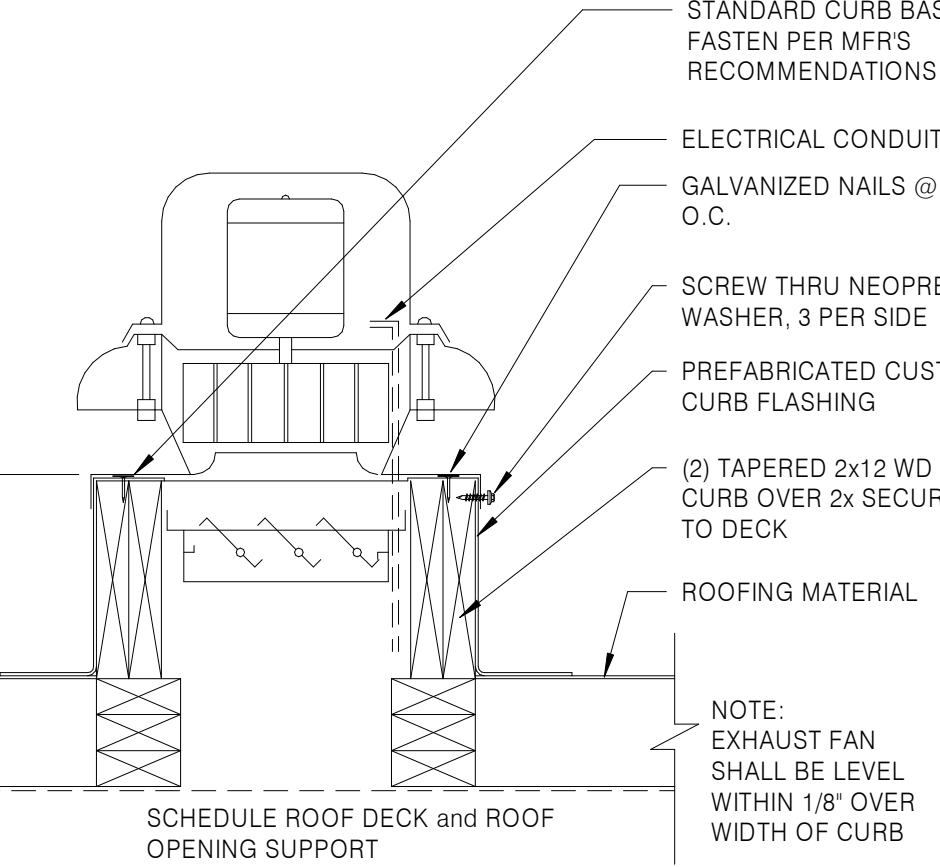
NOTES:
(1) ALL MOUNTING HARDWARE TO BE SUPPLIED BY OTHERS.
(2) FOR OPERATING EFFICIENCY, HATCH HARDWARE VARIES BY SIZE.

EXAMPLE MODEL#: PH- A/G OPENING SIZE IN FEET-INCHES (PH-G2630)

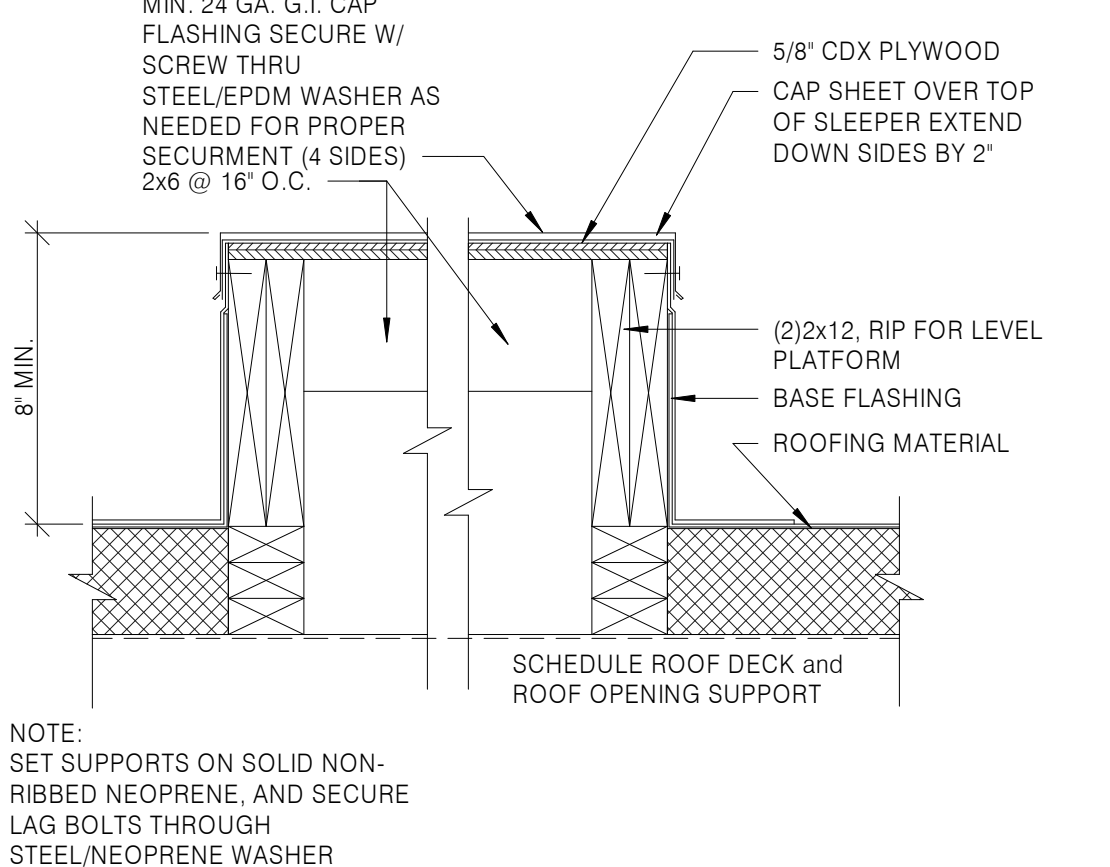
PARAPET CAP N.T.S. 1



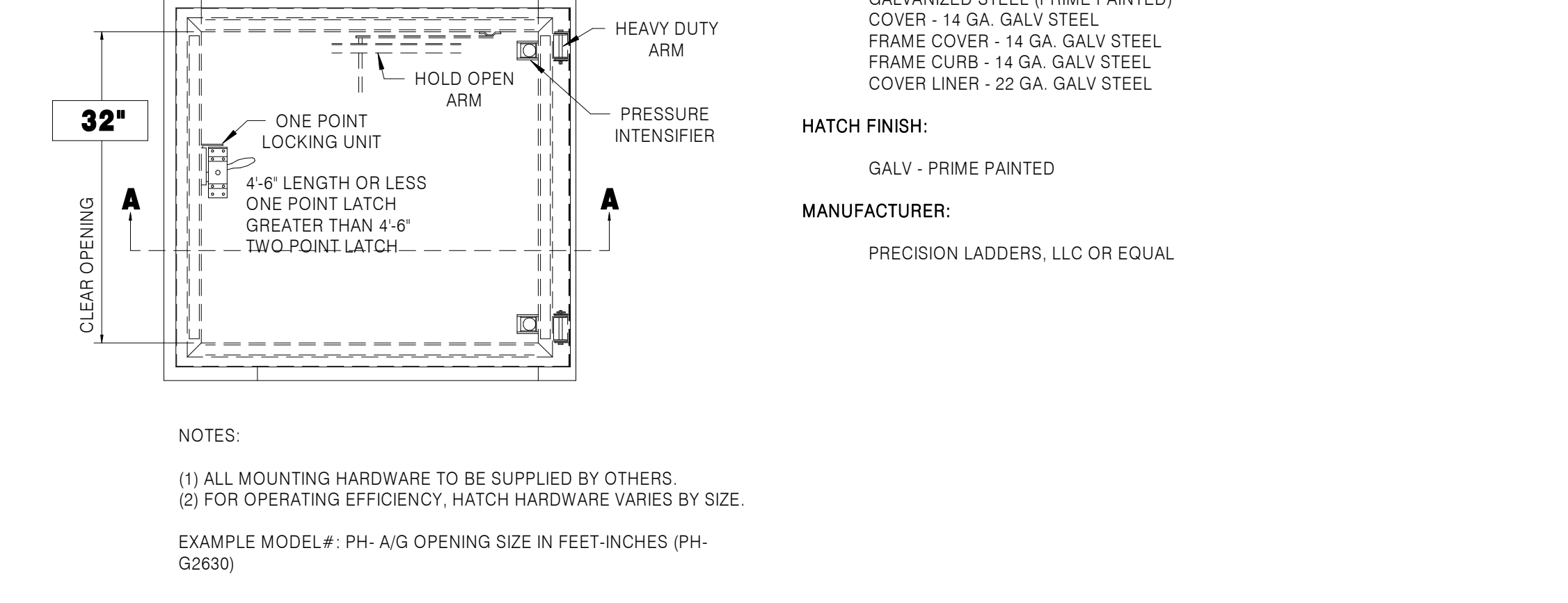
ROOF LADDER N.T.S. 2



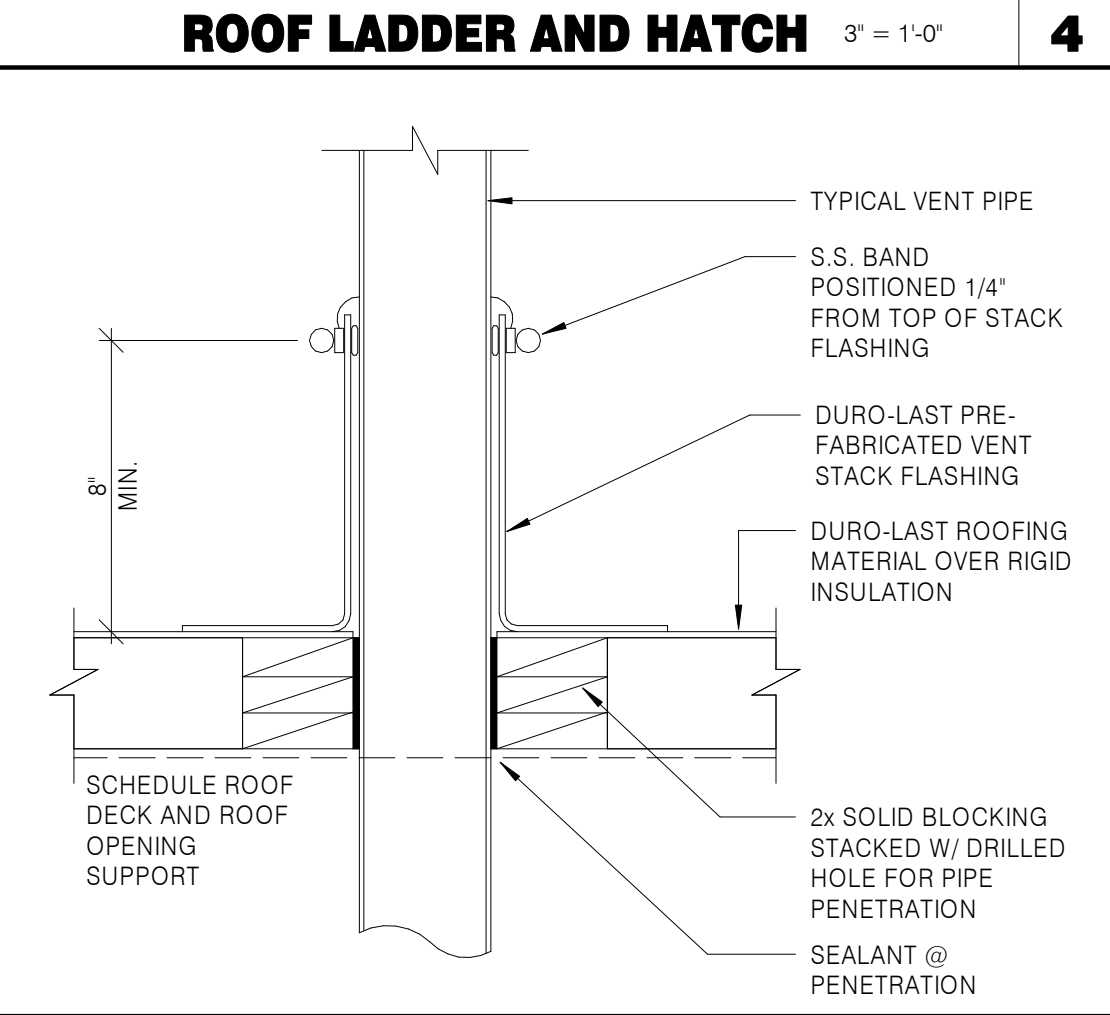
EXHAUST FAN CURB N.T.S. 14



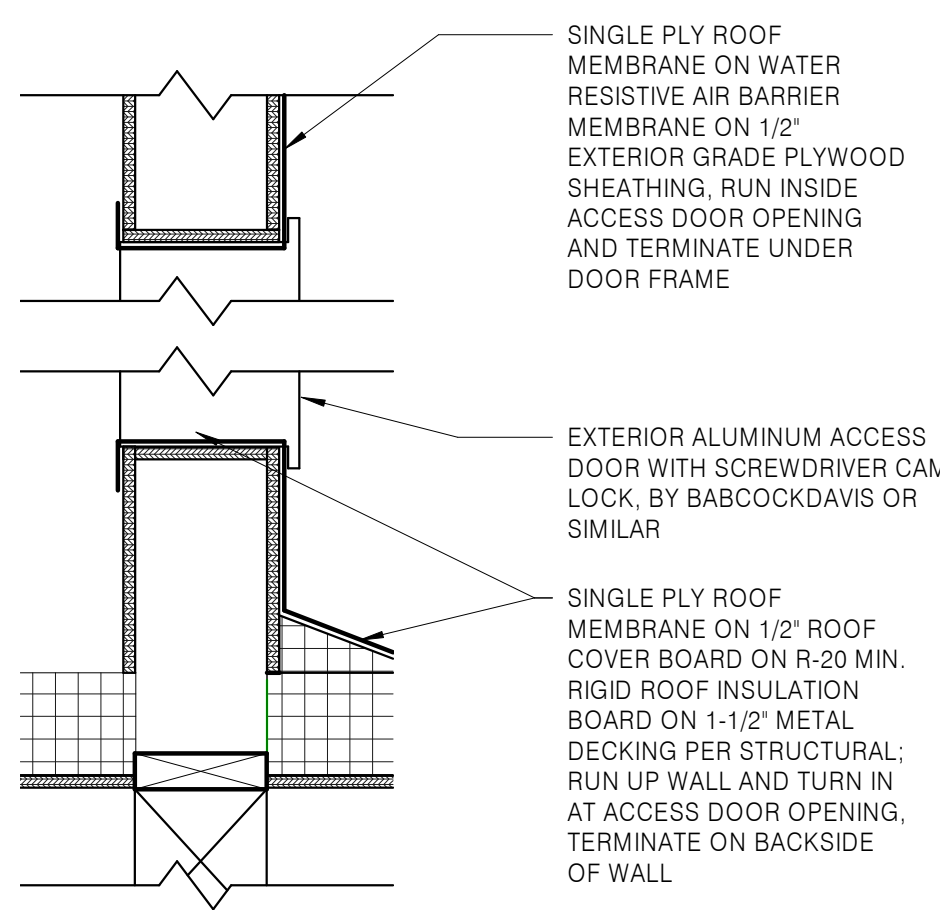
EQUIPMENT PLATFORM SUPPORT 3' = 1'-0" 10



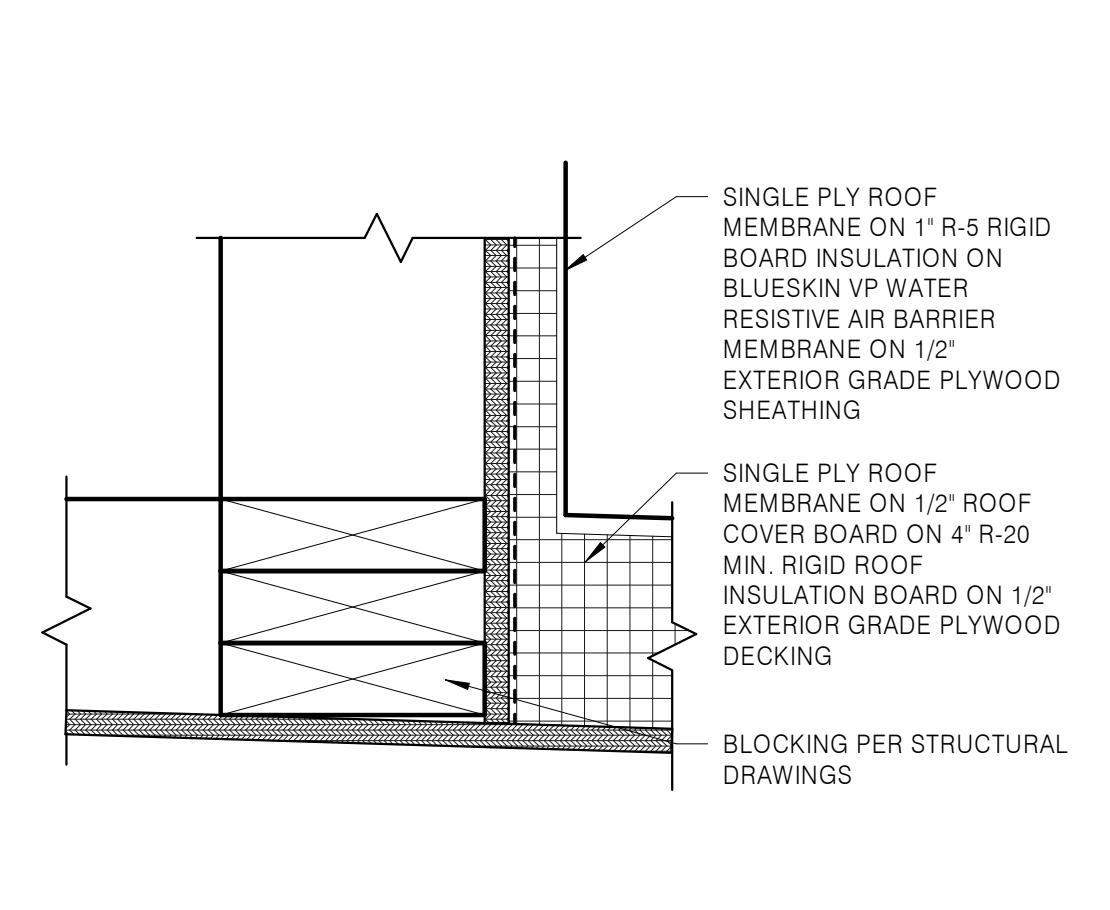
EXHAUST FAN CURB N.T.S. 7



SEALED PIPE FLASHING N.T.S. 5



ACCESS PANEL DETAIL 1 1/2' = 1'-0" 15



ENTRY PORTAL ROOF BACKSIDE 3' = 1'-0" 11

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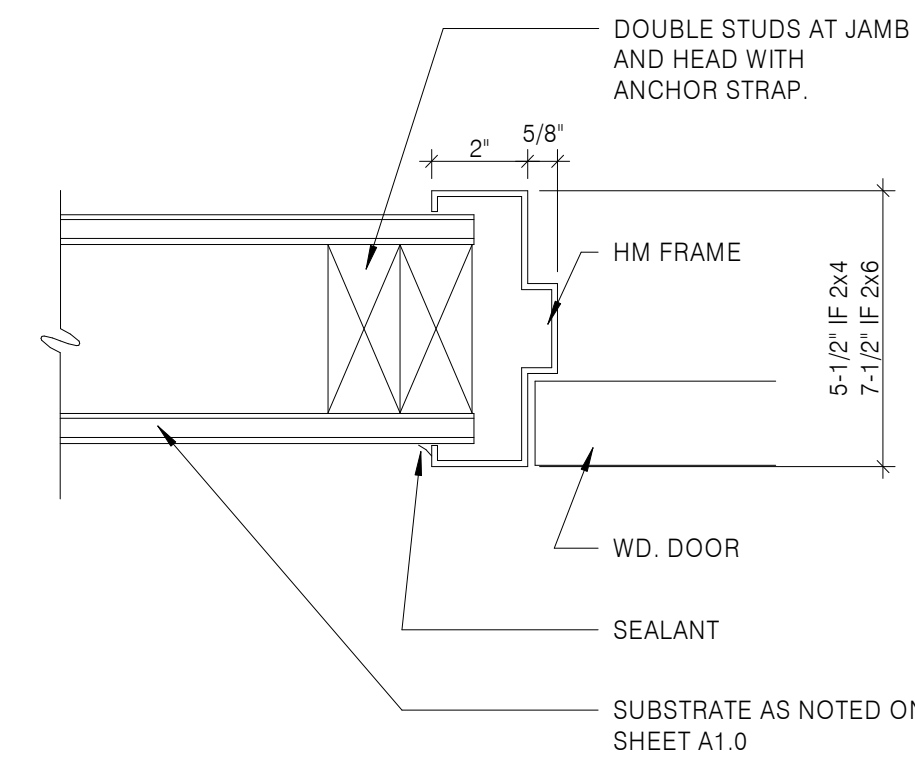
CONTRACT DATE:
BUILDING GROUP: T40M-O
FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

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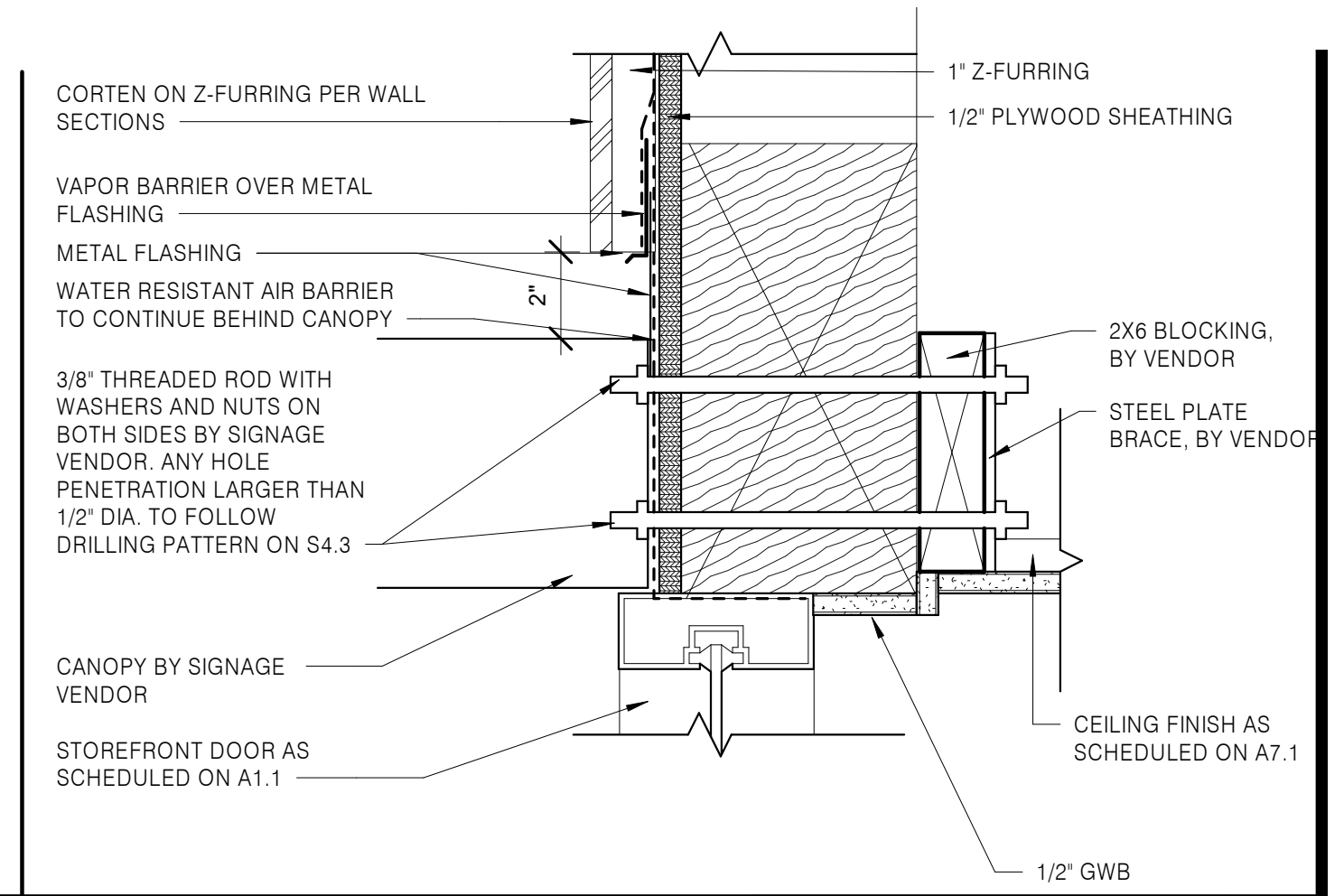


CONSTRUCTION DETAILS ROOF

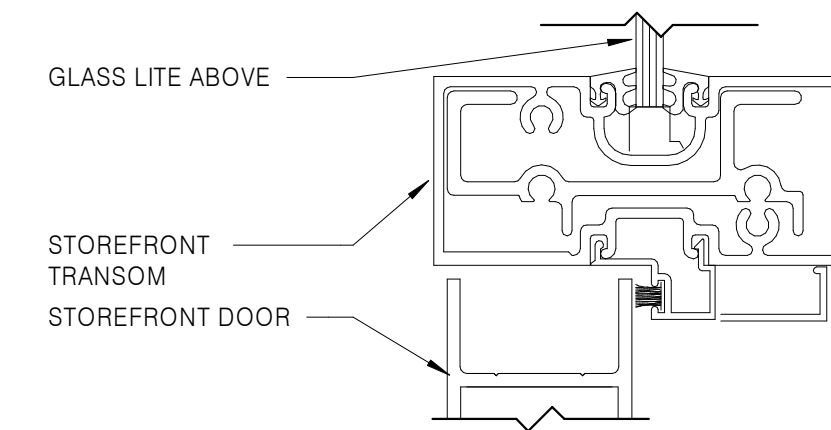
A6.2



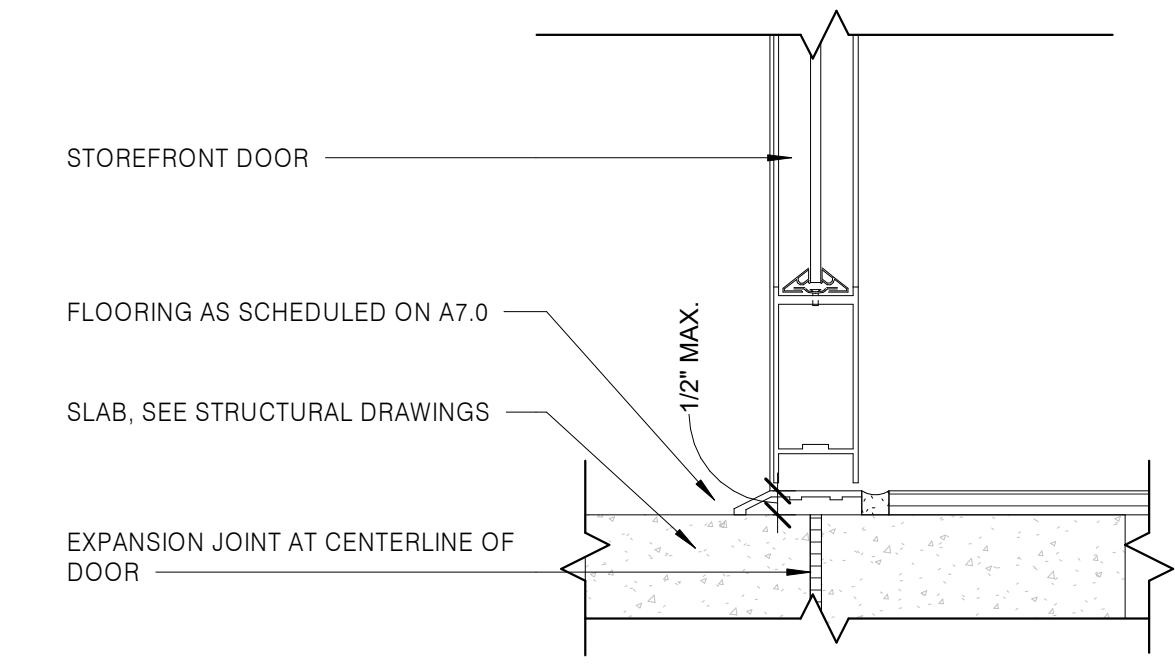
JAMB @ H.M. DOOR N.T.S. **5**



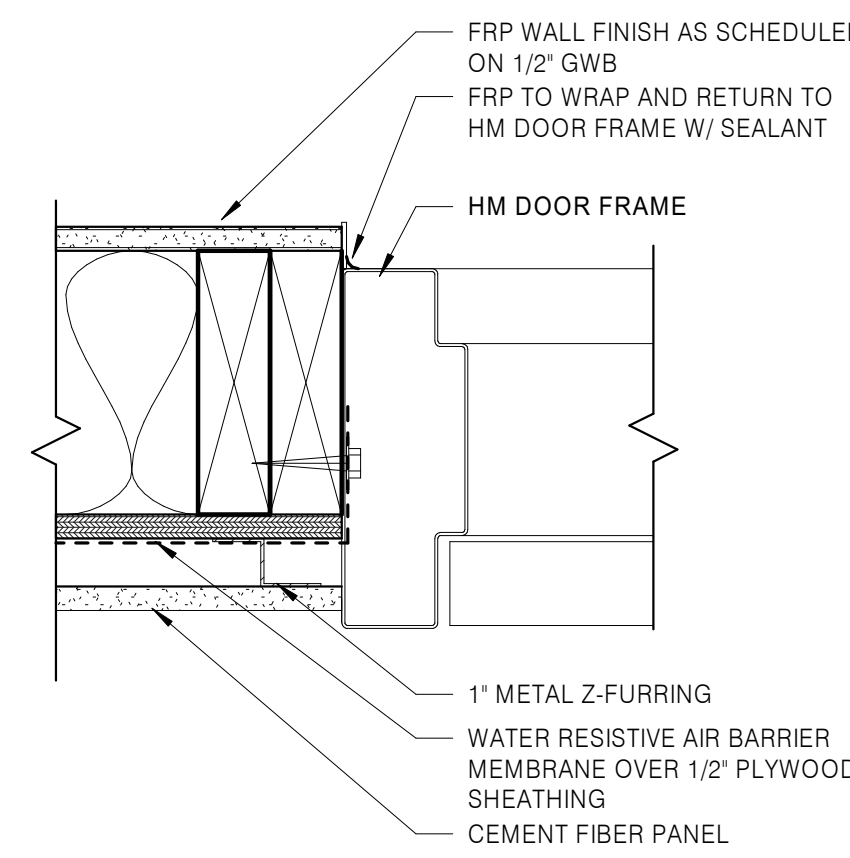
ENTRANCE CANOPY DETAIL 3" = 1'-0" **1**



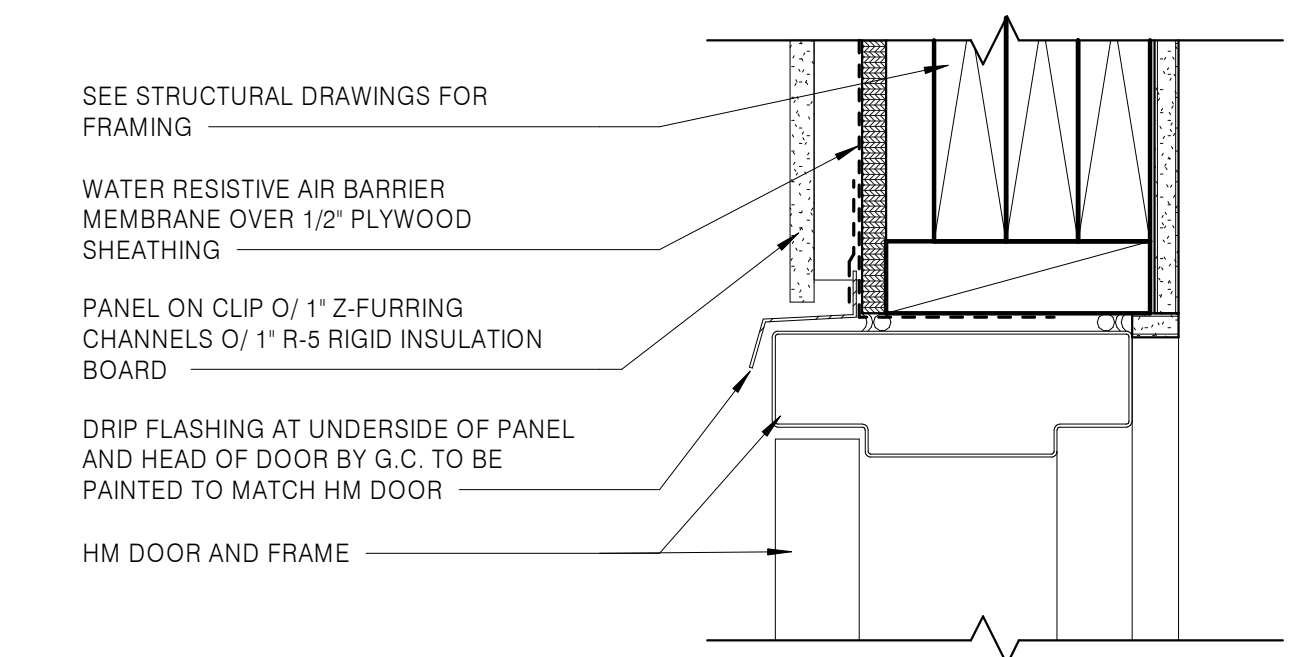
STOREFRONT DOOR HEAD AT TRANSOM N.T.S. **6**



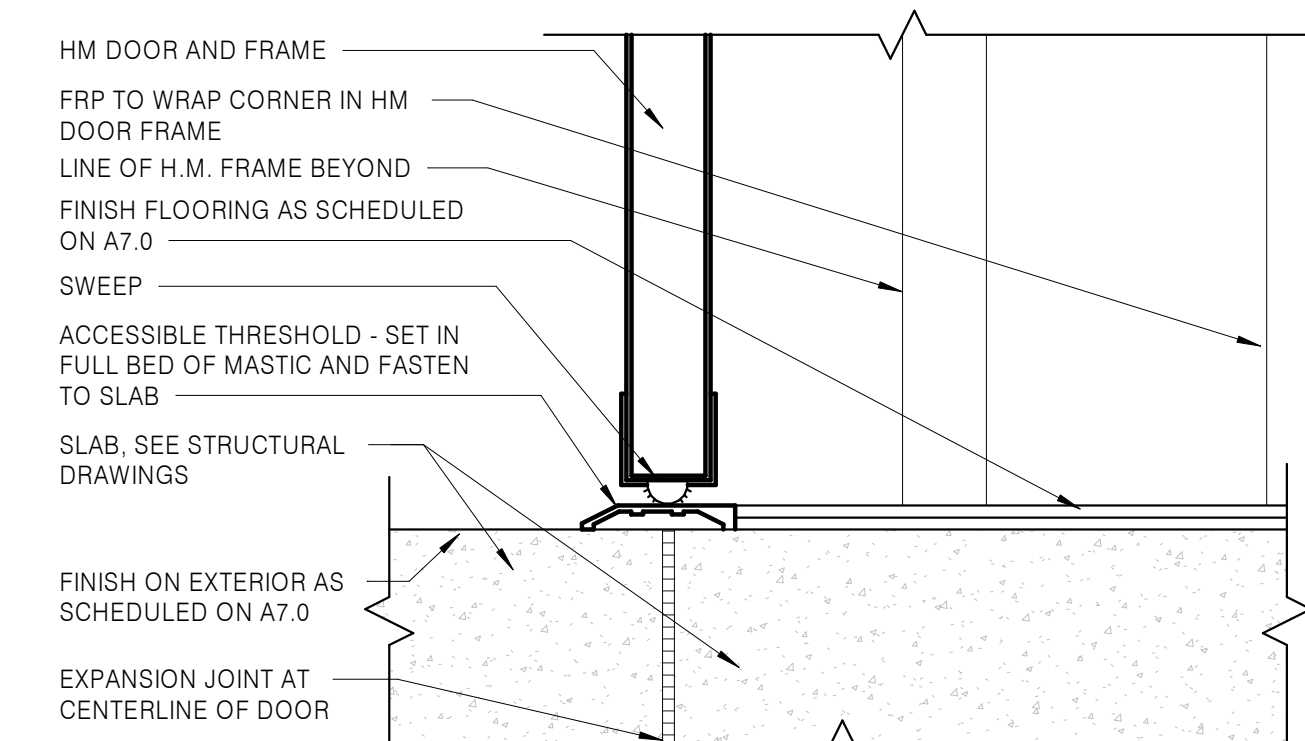
STOREFRONT DOOR THRESHOLD DETAIL N.T.S. **2**



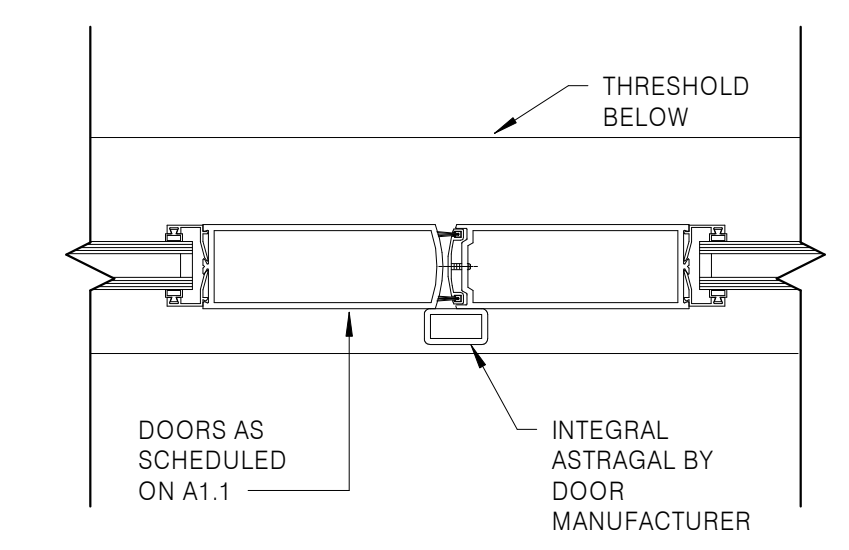
JAMB AT SERVICE DOOR 3" = 1'-0" **7**



SERVICE DOOR HEAD DETAIL 3" = 1'-0" **3**



SERVICE DOOR THRESHOLD 3" = 1'-0" **8**



STOREFRONT JAMB AT ENTRANCE 3" = 1'-0" **4**

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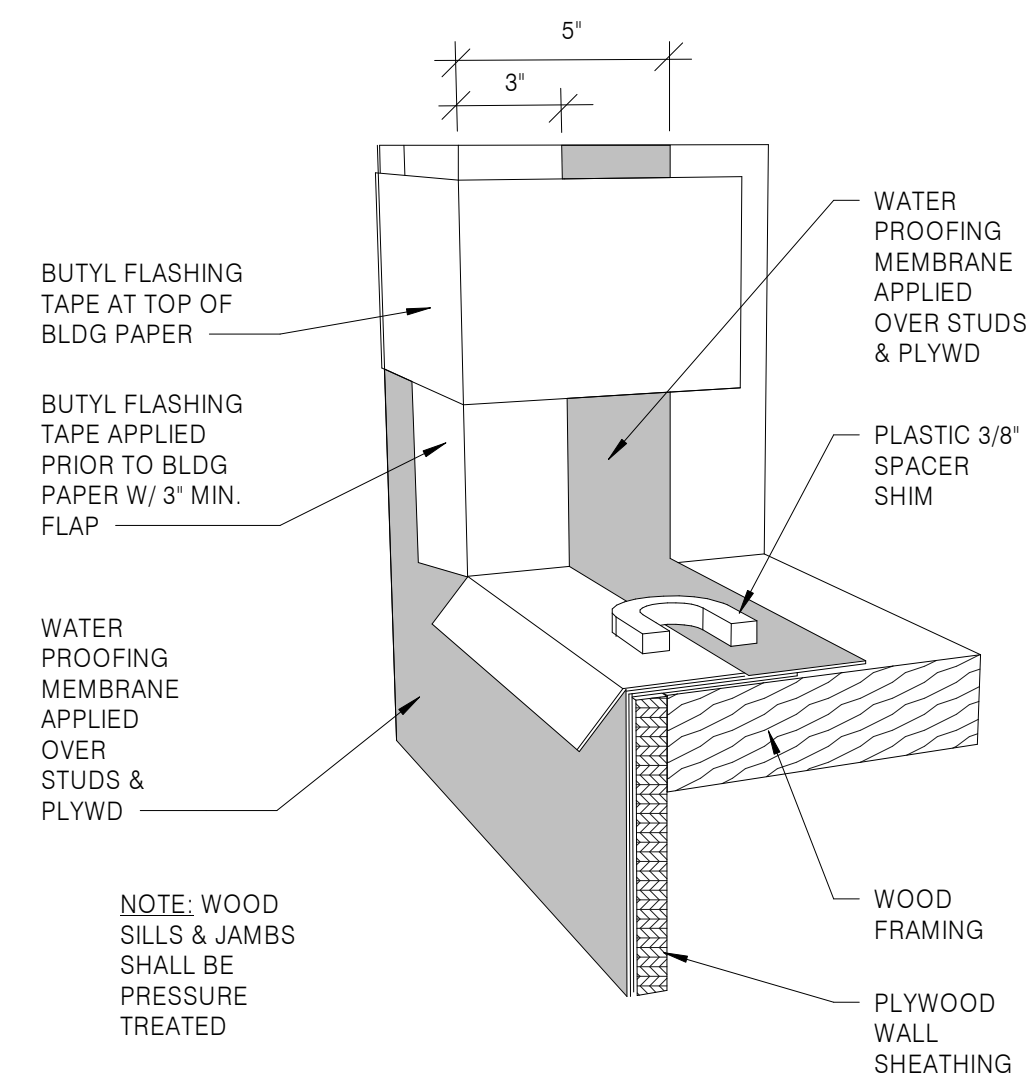


T40

**CONSTRUCTION
DETAILS - DOORS**

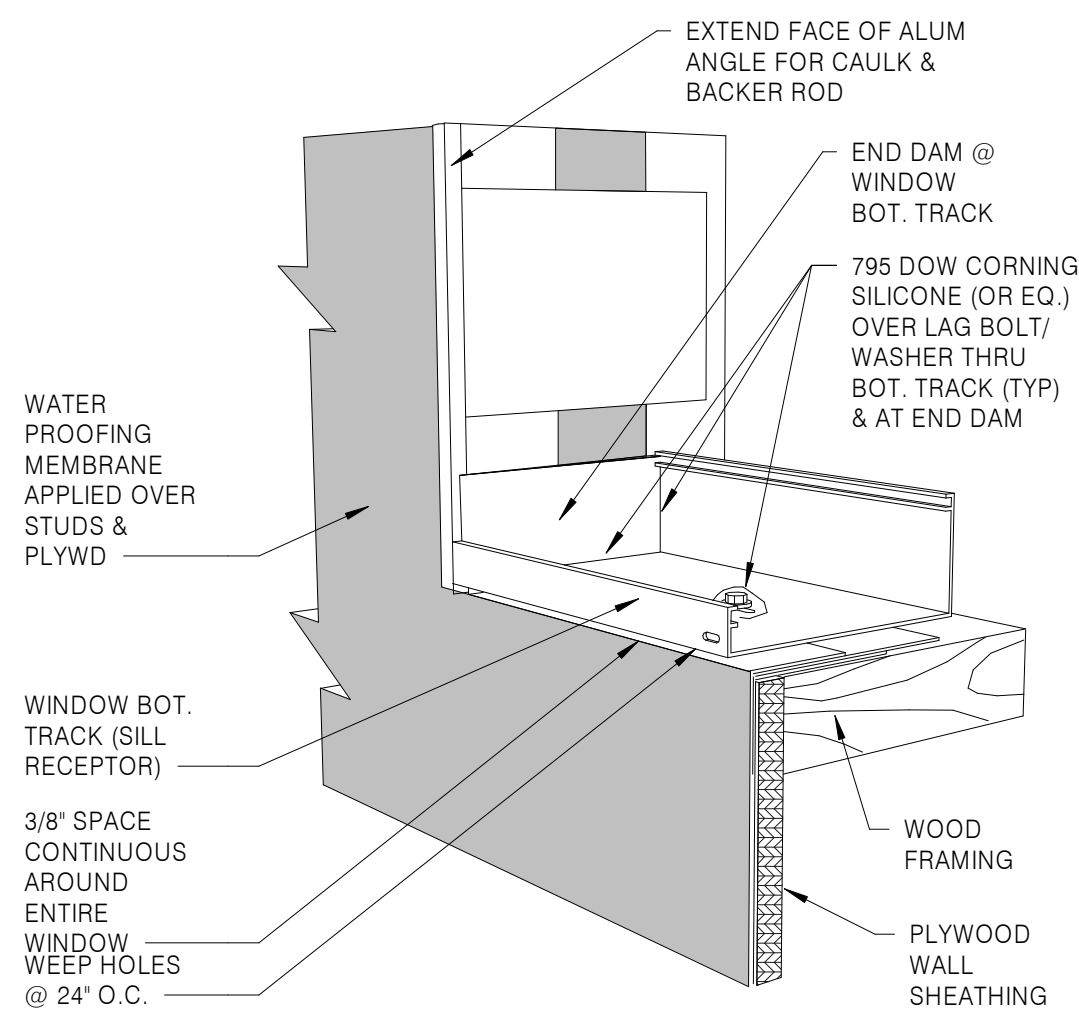
A6.3

PLOT DATE: 8/21/2019 2:28:32 PM



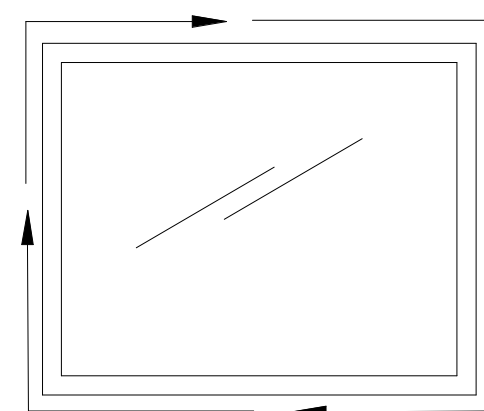
WATER PROOFING ROUGH OPENING

AFTER FRAMING WATER PROOFING MEMBRANE PER FIBER CEMENT PANEL MANUFACTURER RECOMMENDATIONS. ADD FLASHING TAPE AROUND THE ROUGH OPENING FOR THE WINDOW AND DOOR OPENING.



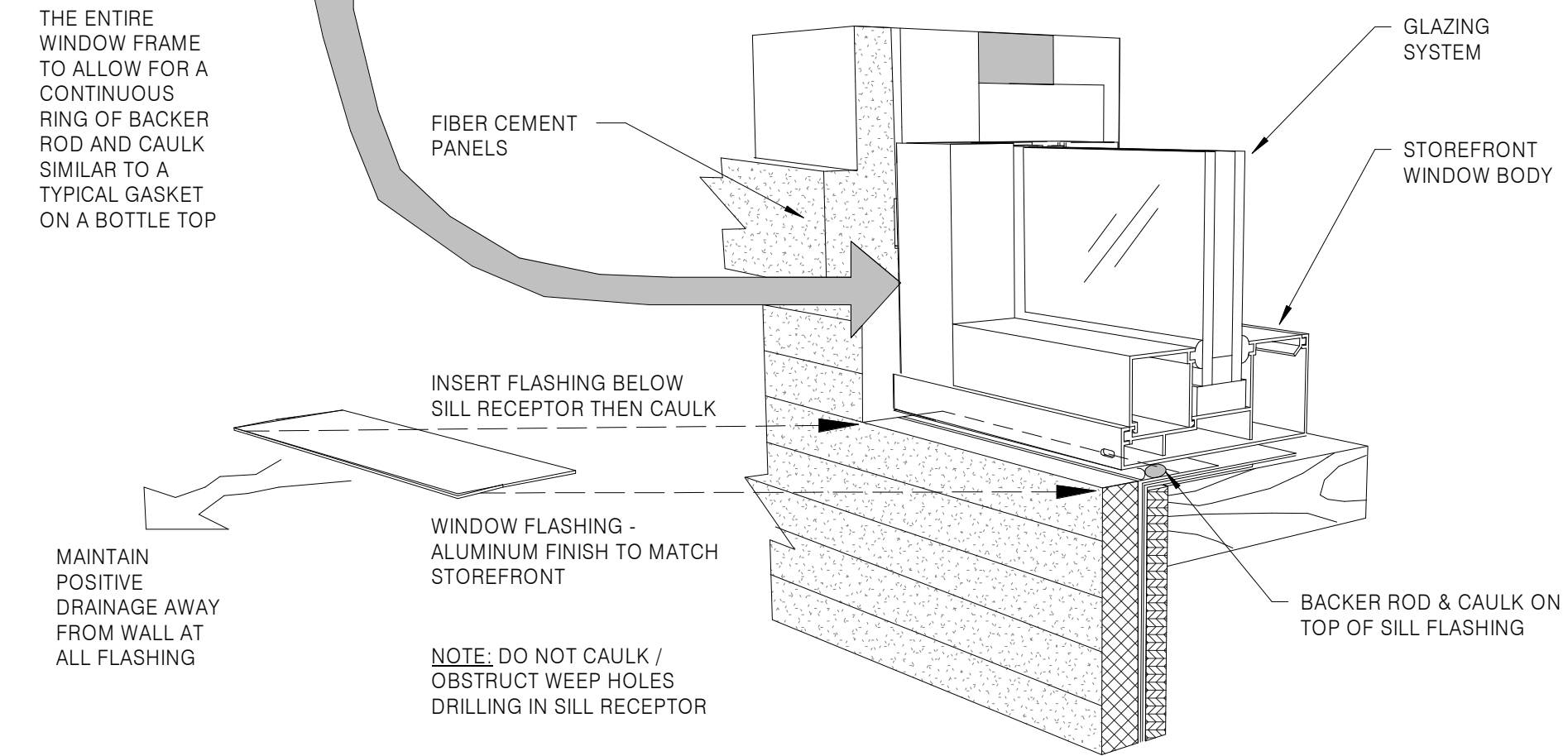
ADD SILL RECEPTOR AND END DAM

THIS DIAGRAM SHOWS THE APPLICATION OF SILL RECEPTOR AND WATERPROOFING MEMBRANE. USE 100% PURE ISOPROPYL ALCOHOL TO CLEAN METAL SURFACE PRIOR TO APPLYING SILICONE



WINDOW ELEVATION

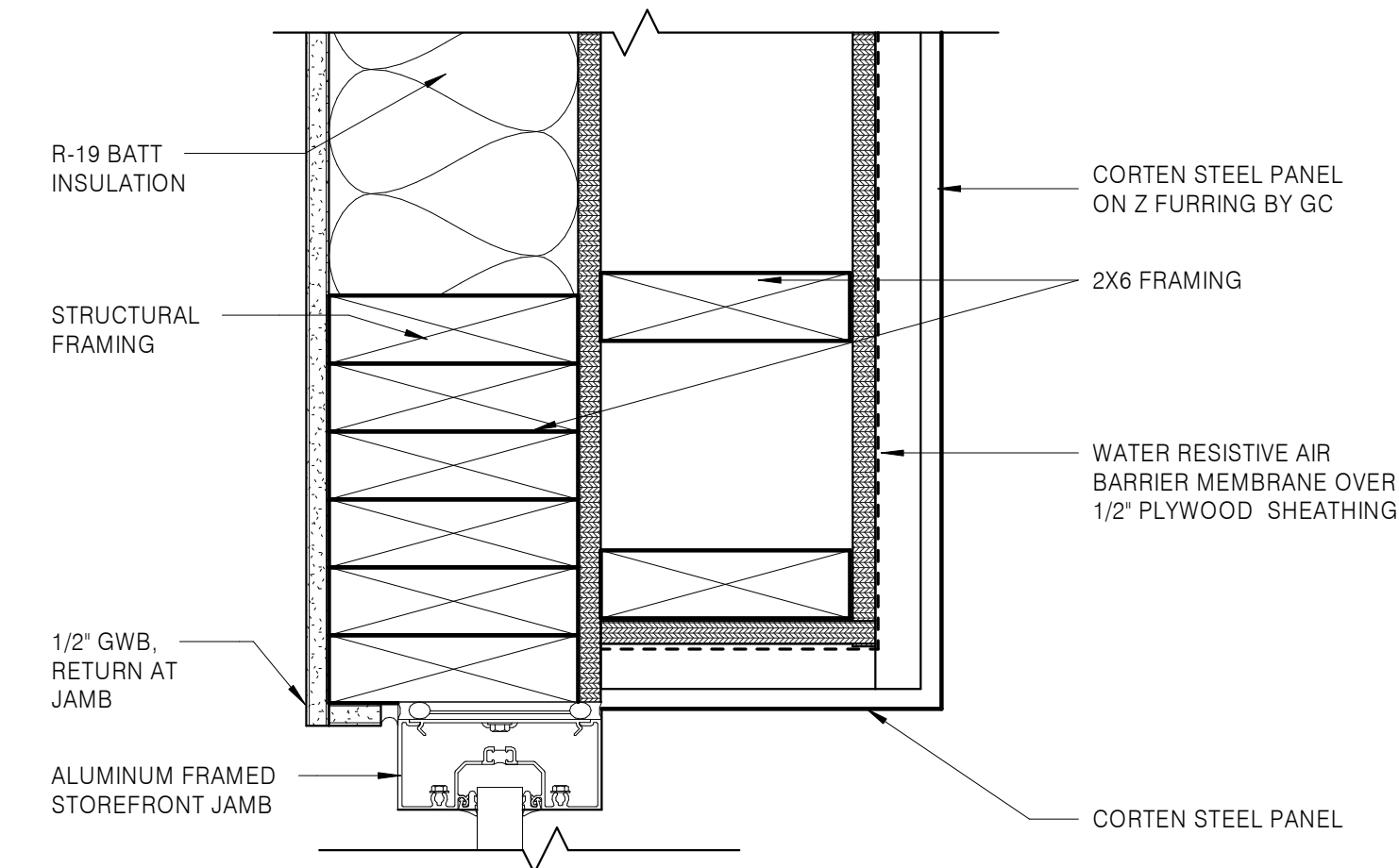
NOTE: THERE SHOULD BE A 3/8" SPACE AROUND THE ENTIRE WINDOW FRAME TO ALLOW FOR A CONTINUOUS RING OF BACKER ROD AND CAULK SIMILAR TO A TYPICAL GASKET ON A BOTTLE TOP



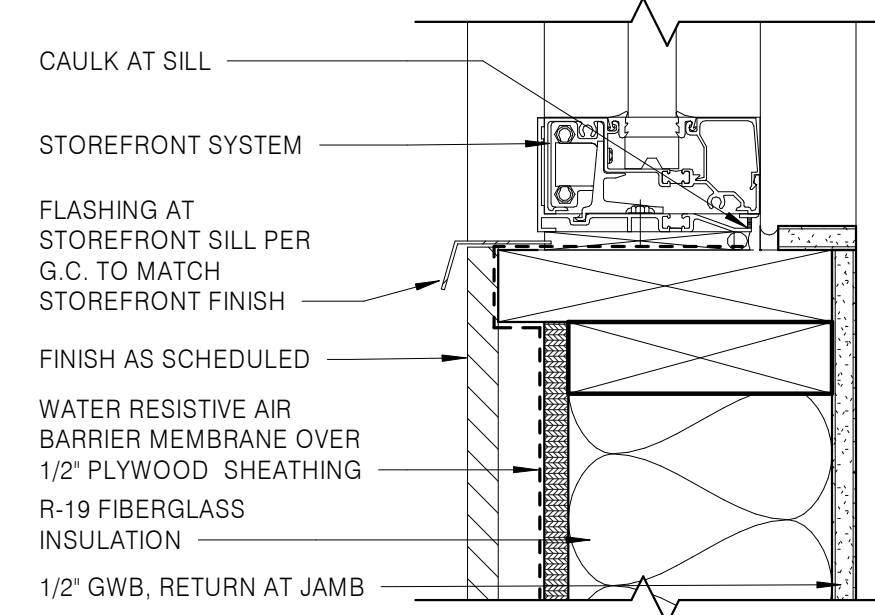
COMPLETING WINDOW SYSTEM

SET STOREFRONT WINDOW, APPLY FIBER CEMENT PANEL SYSTEM AND THEN ADD WINDOW FLASHING OVER TOP OF FIBER CEMENT PANEL AT WINDOW SILL

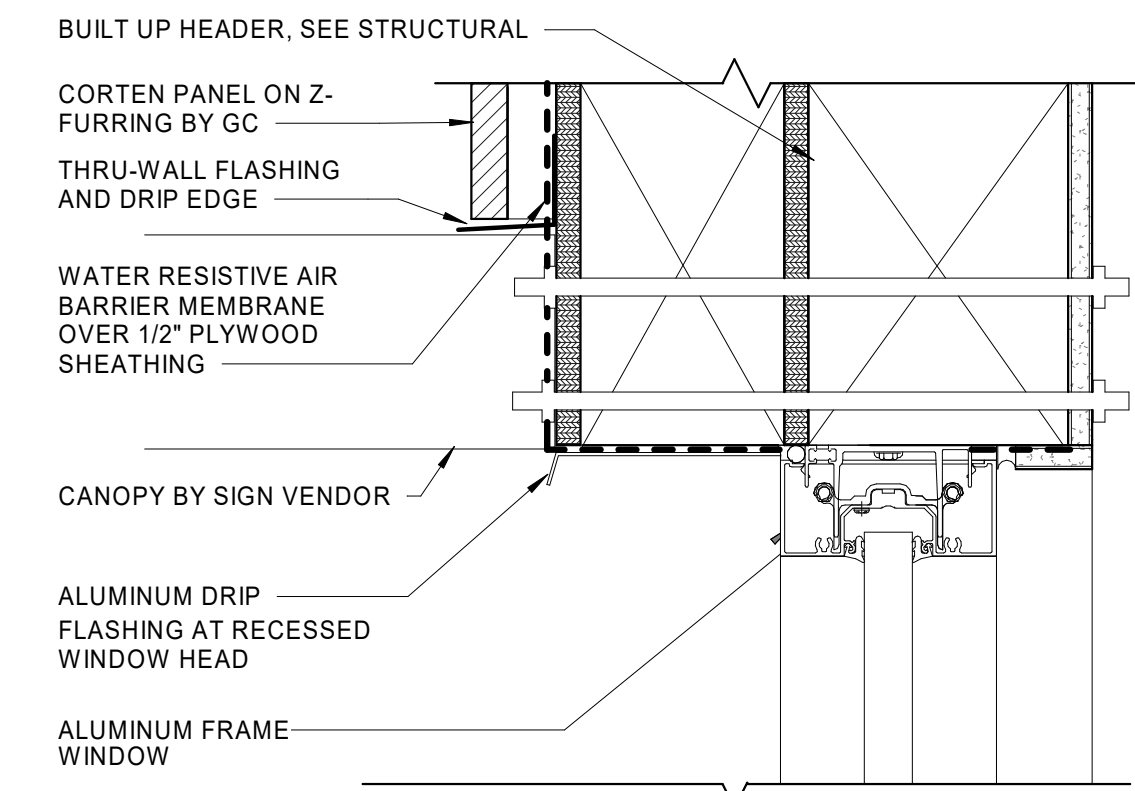
TYPICAL WINDOW WALL WATER PROOFING 3' = 1'-0" 8



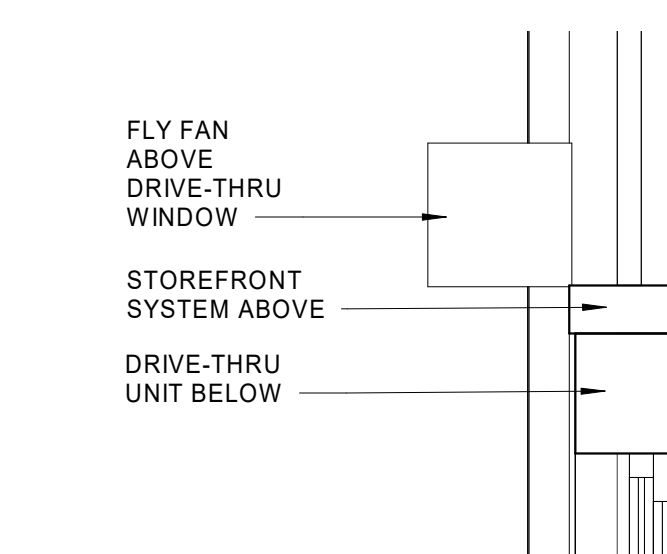
STOREFRONT JAMB @ TOWER 3' = 1'-0" 1



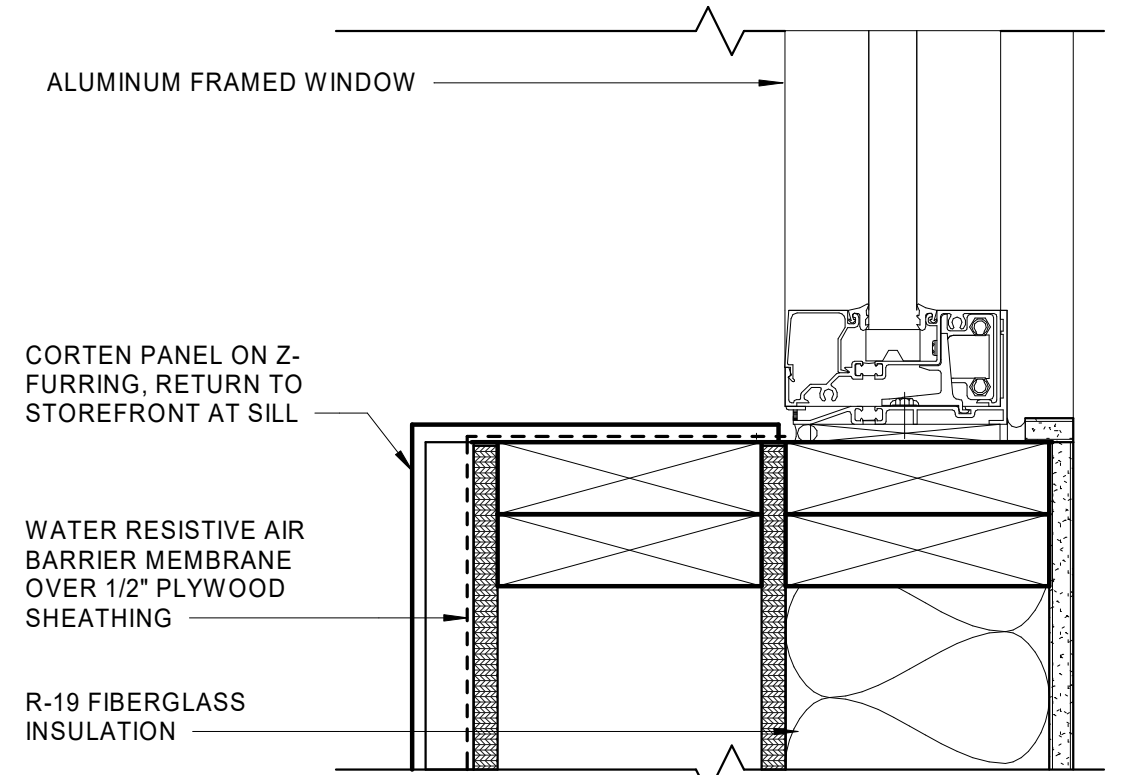
STOREFRONT SILL AT DINING 3' = 1'-0" 5



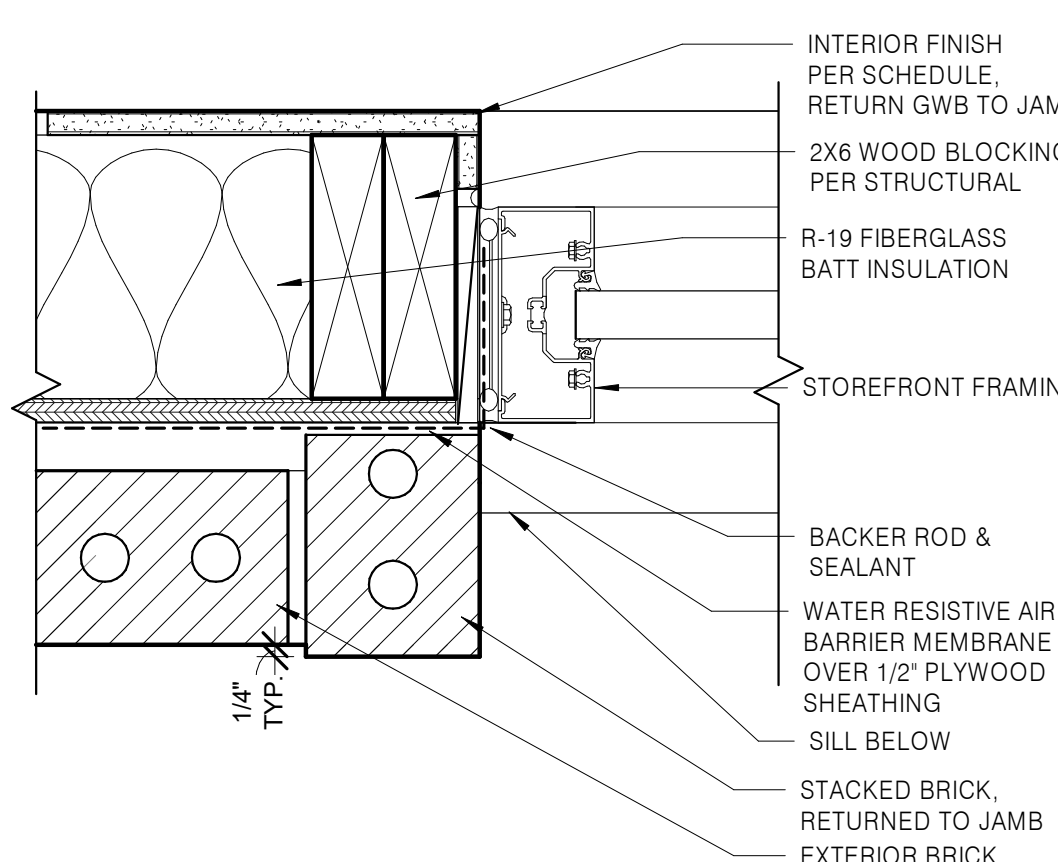
WINDOW HEAD AT TOWER 3' = 1'-0" 2



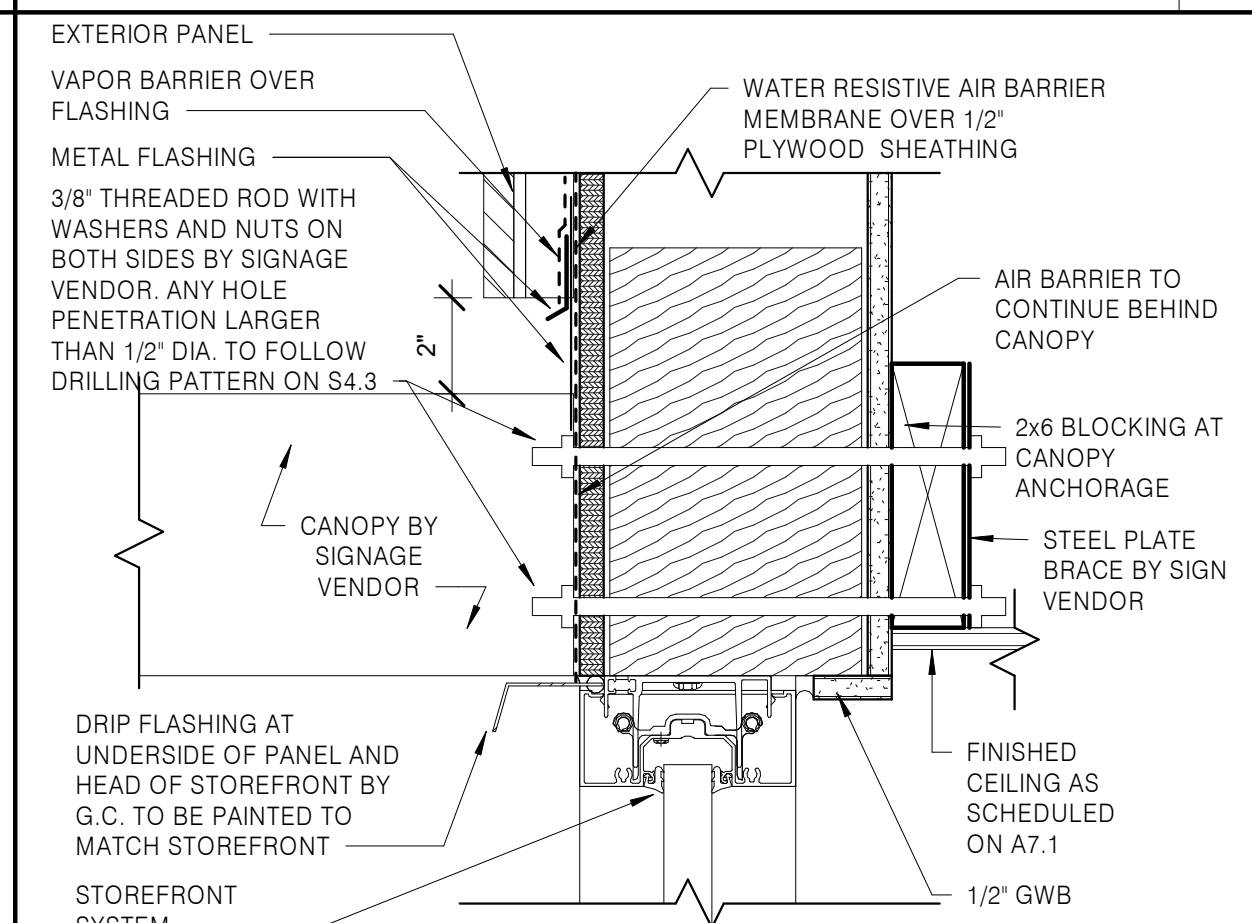
DRIVE THROUGH WINDOW DETAIL N.T.S. 6



WINDOW SILL AT TOWER 3' = 1'-0" 3



STOREFRONT JAMB AT BRICK 3' = 1'-0" 7



STOREFRONT HEAD AT DINING 3' = 1'-0" 4

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REVISION DATE: _____
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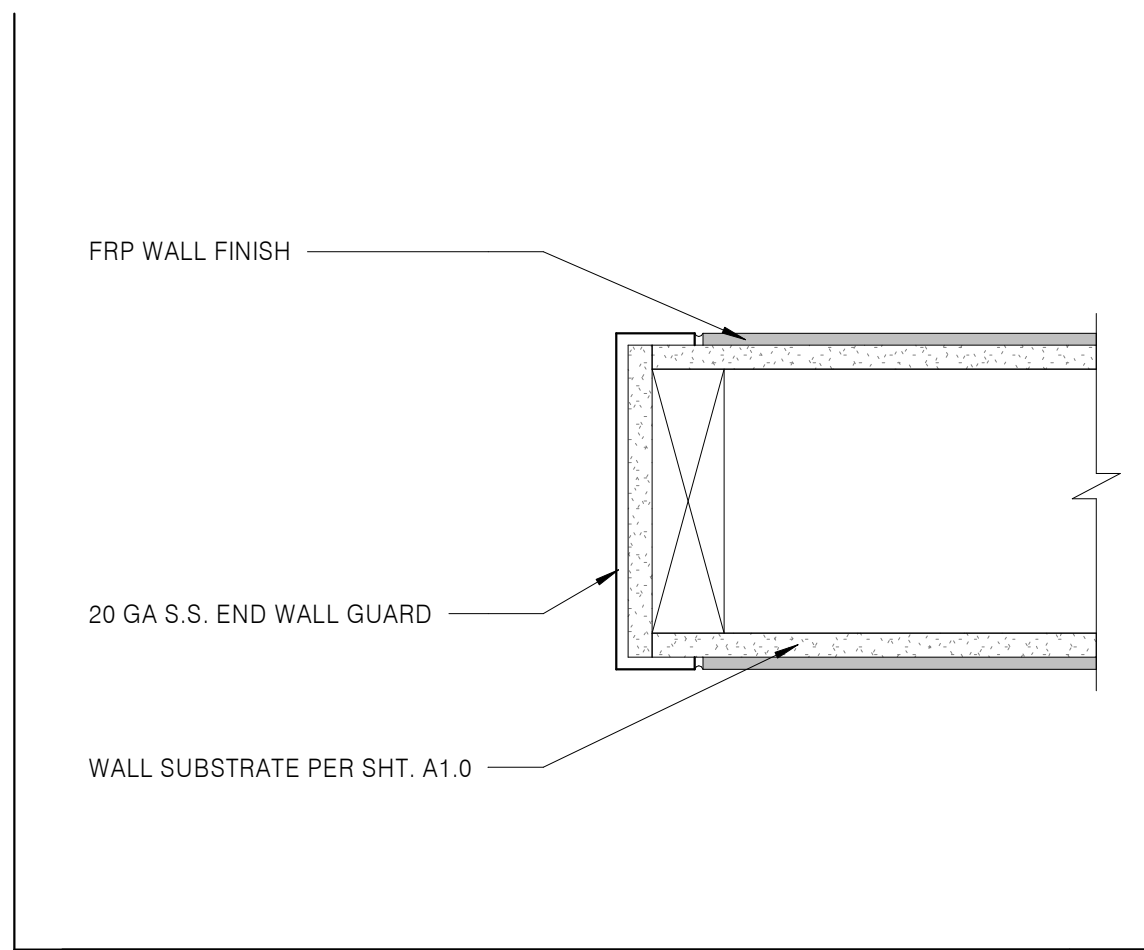
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T40

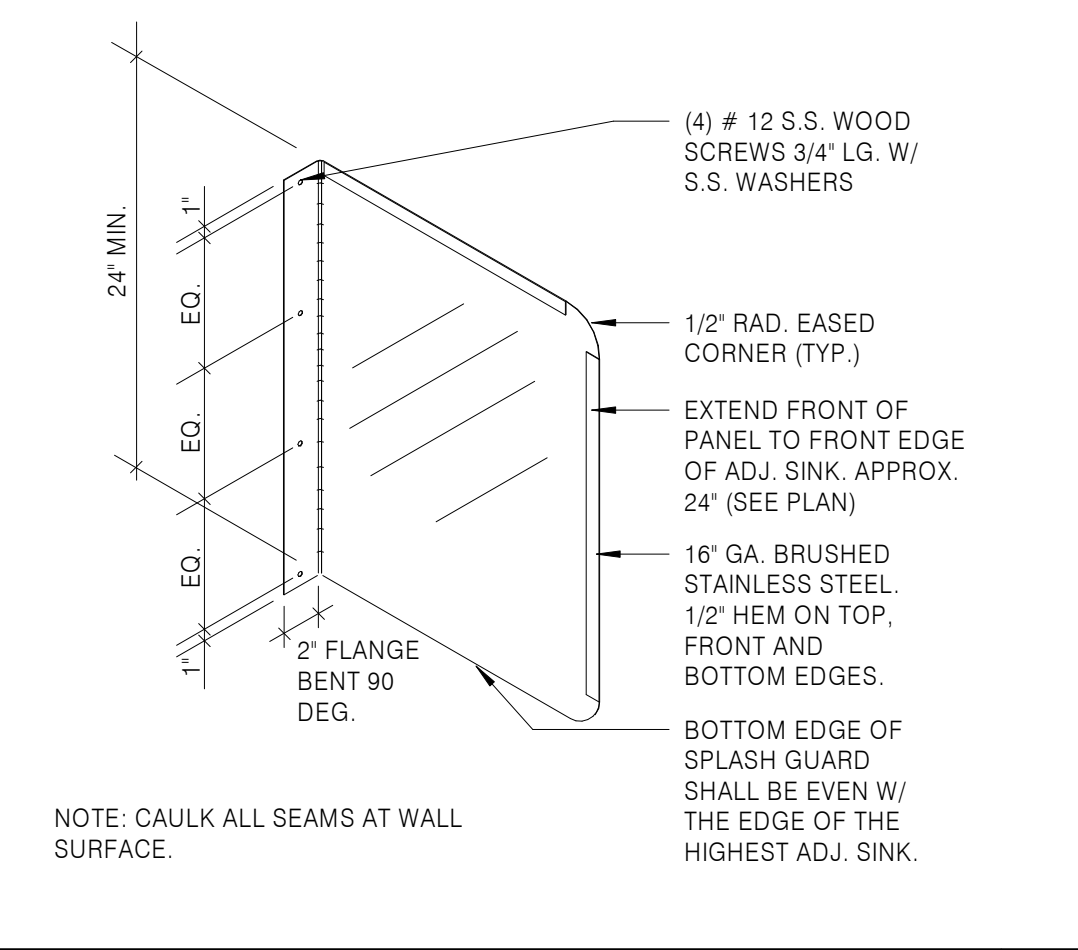
CONSTRUCTION DETAILS - WINDOWS

A6.4



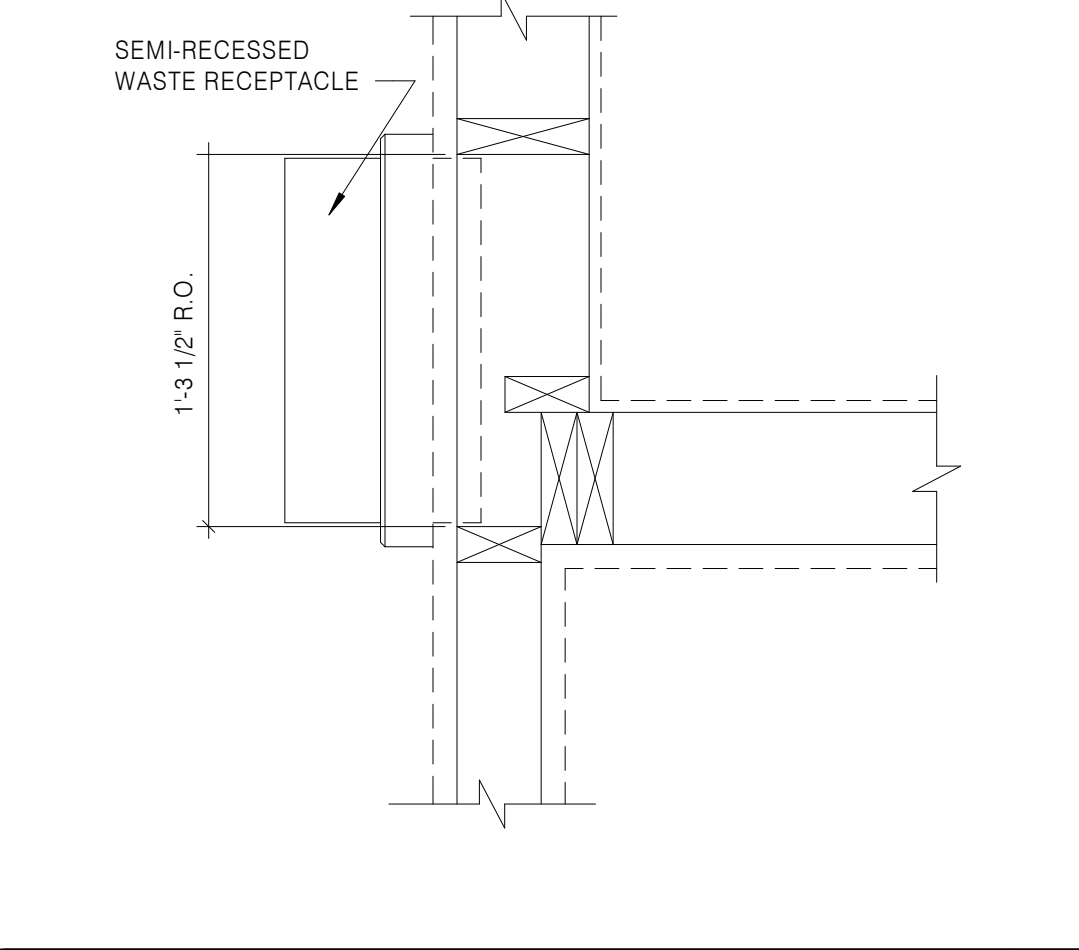
S.S. END WALL GUARD

13



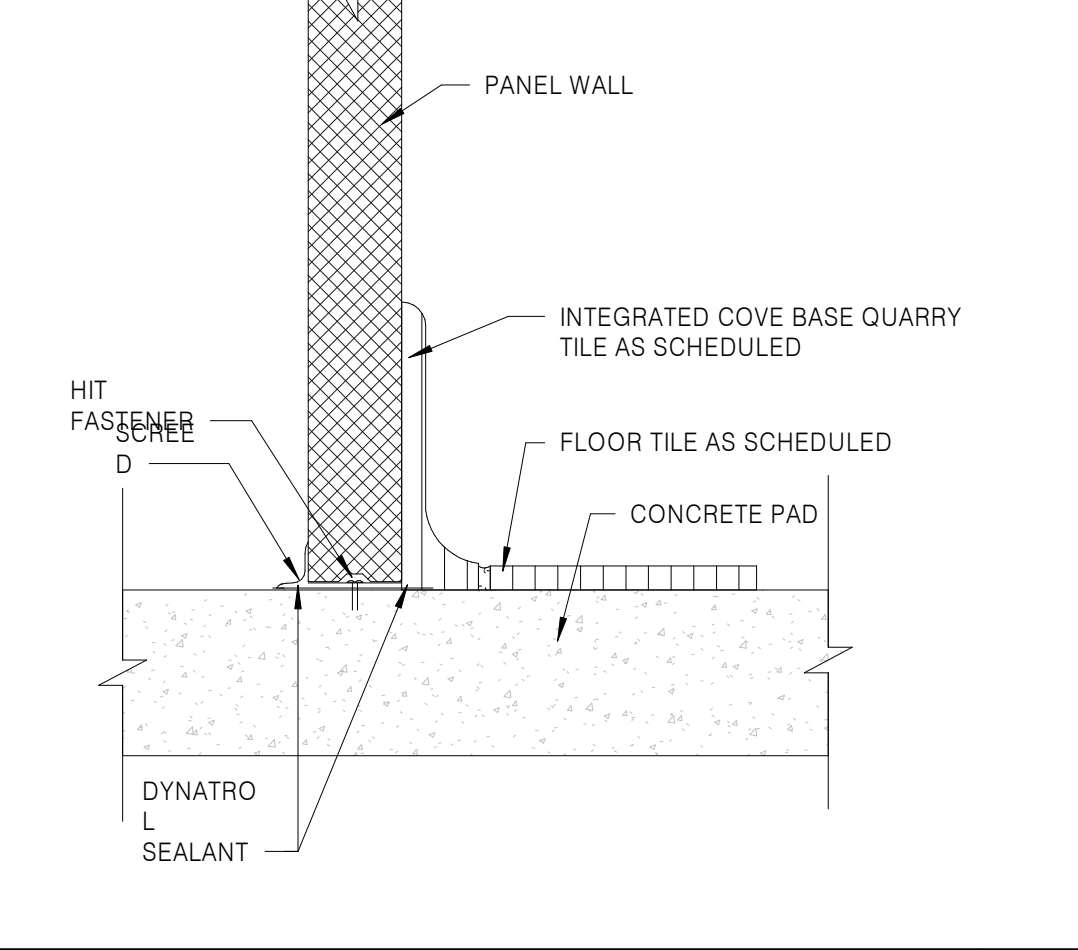
SPLASH GUARD

9



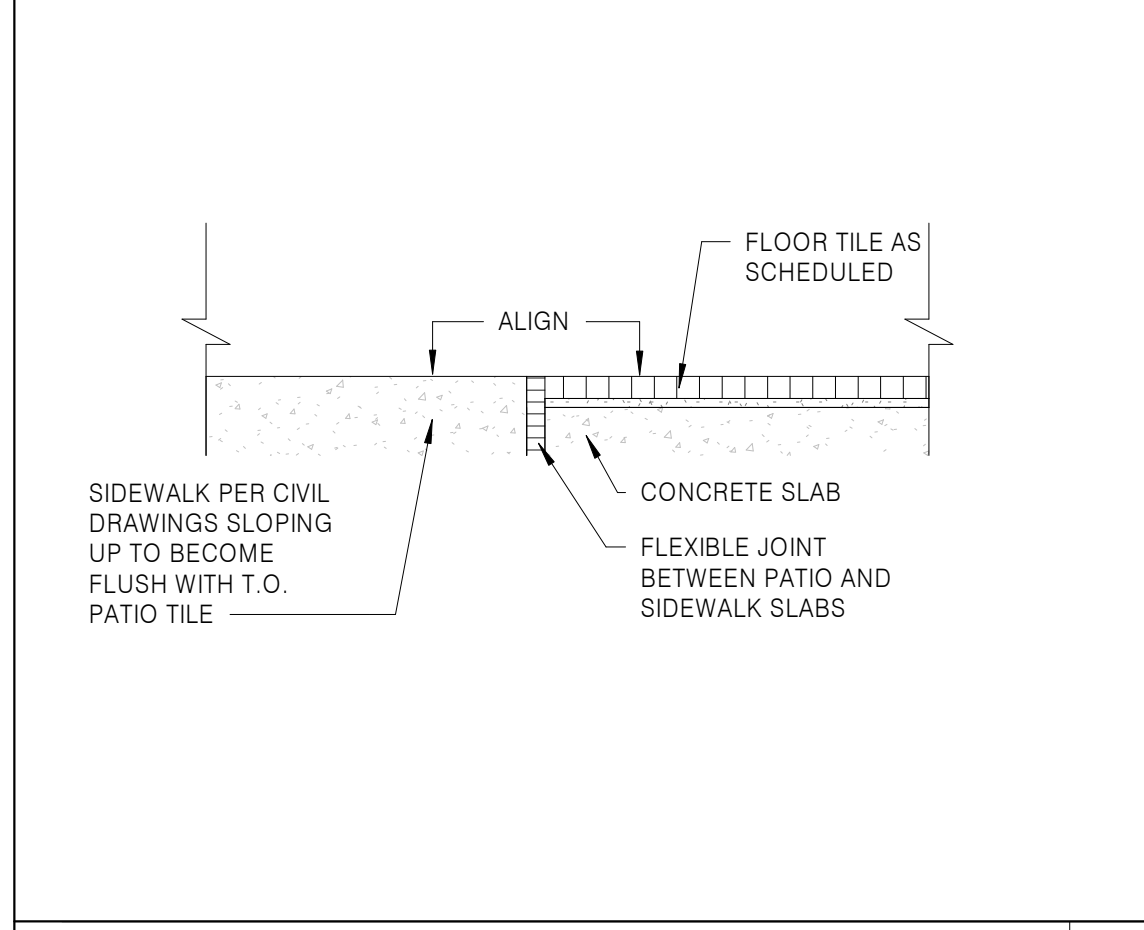
SEMI-RECESSED WASTE RECEPT

5



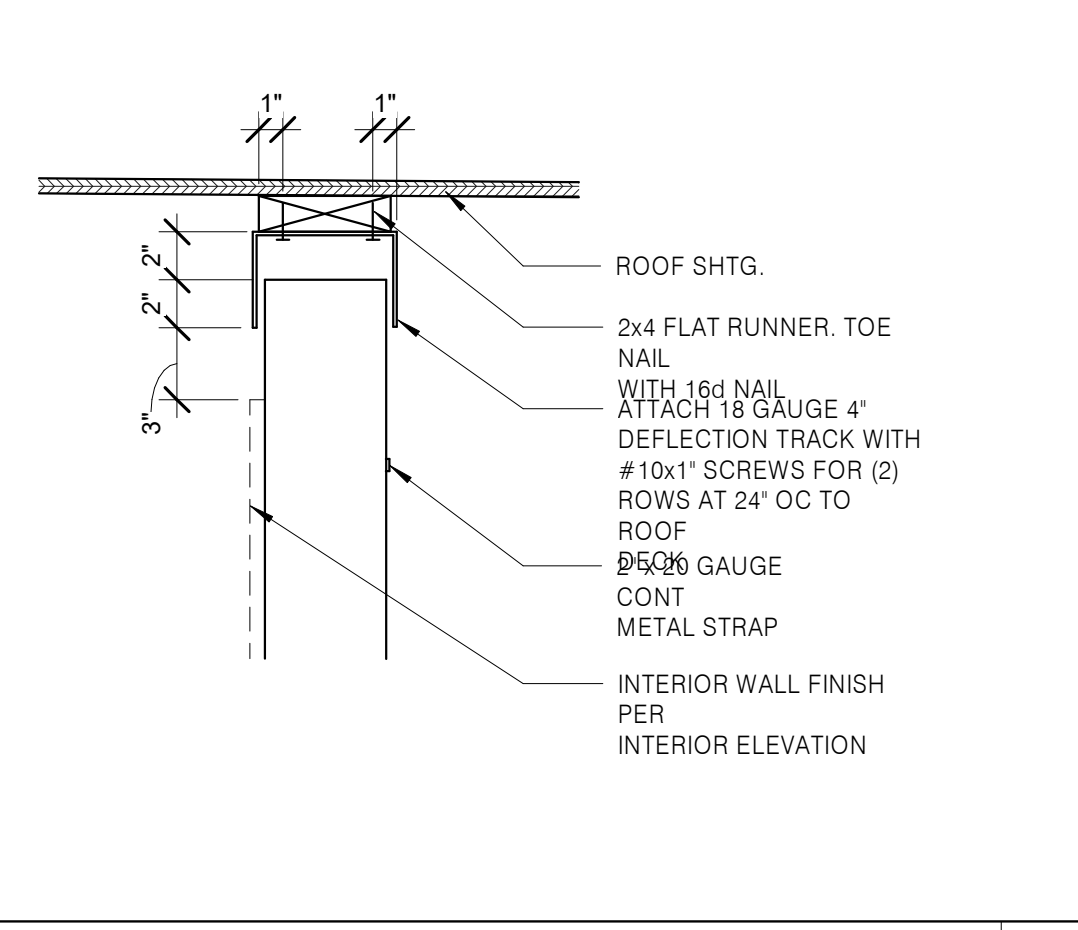
WALK-IN BASE

1



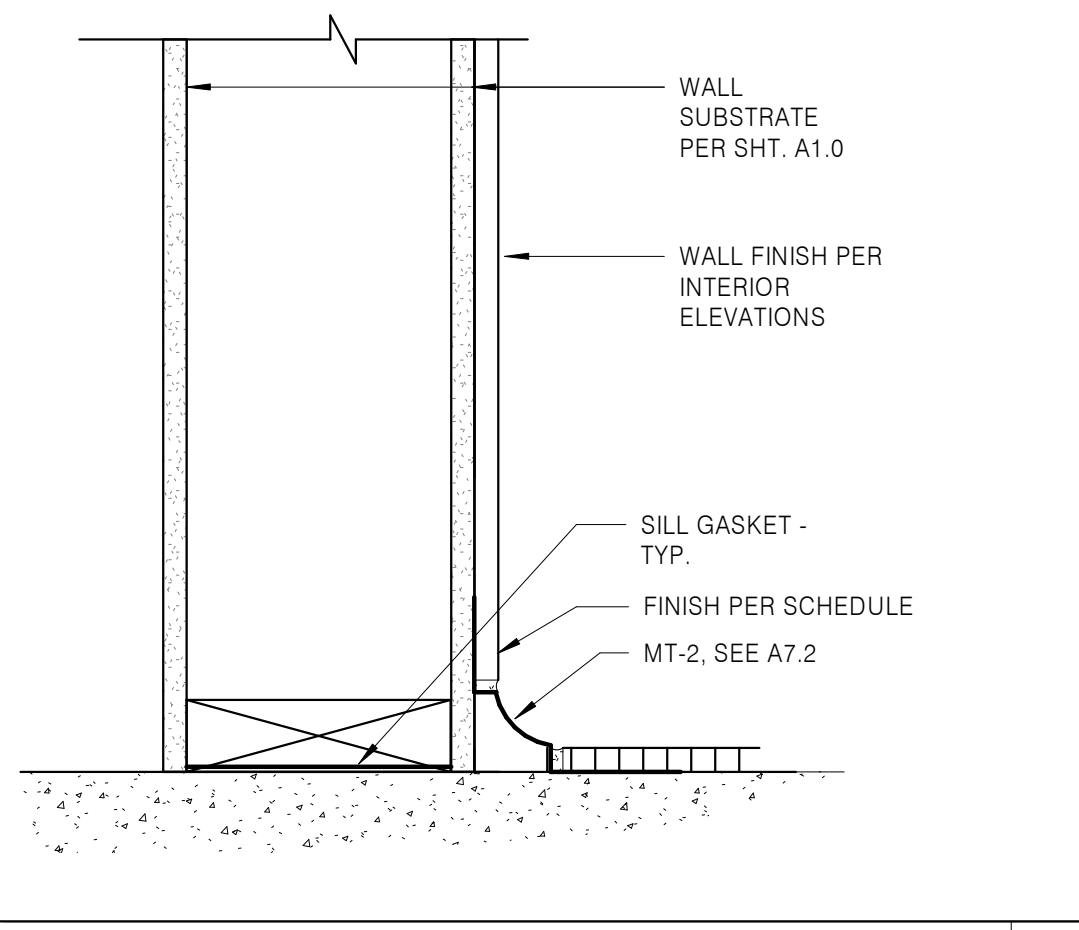
TILE TO CONCRETE SIDEWALK

14



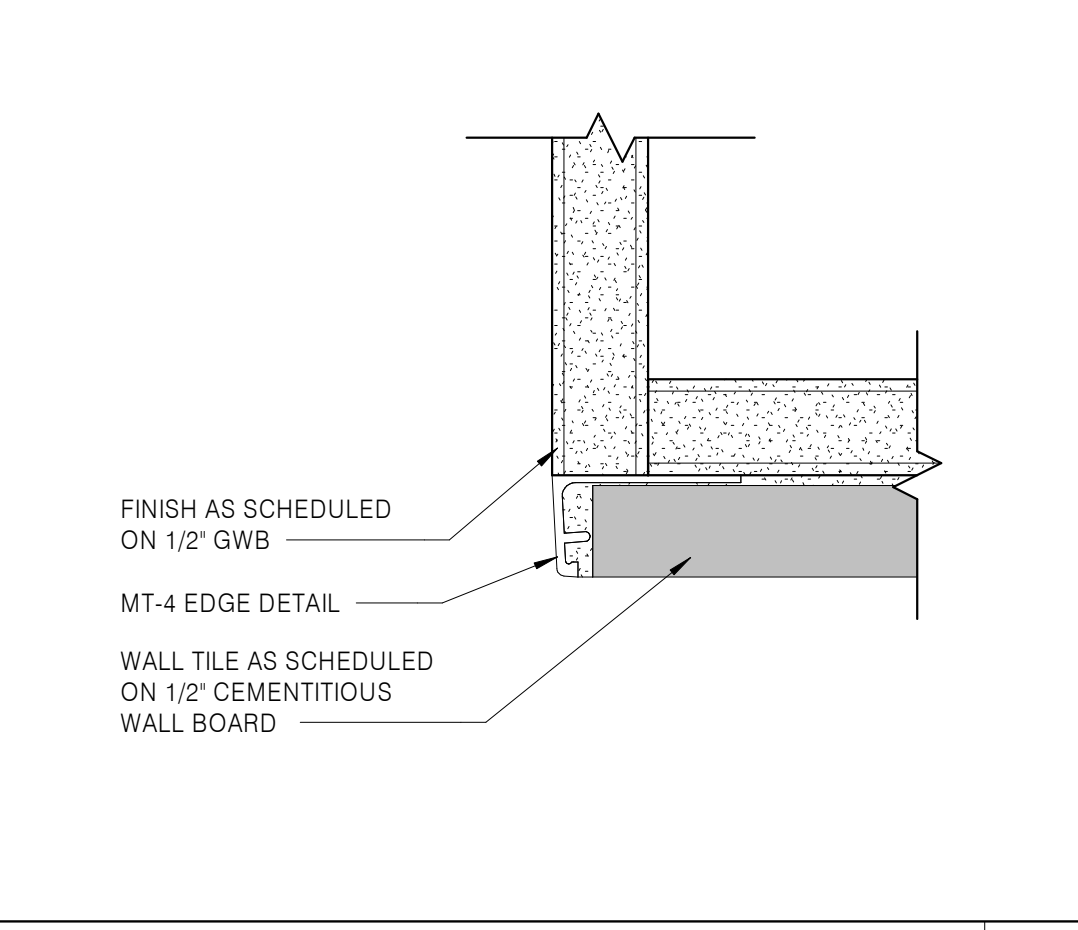
DEFLECTION TRACK DETAIL

10



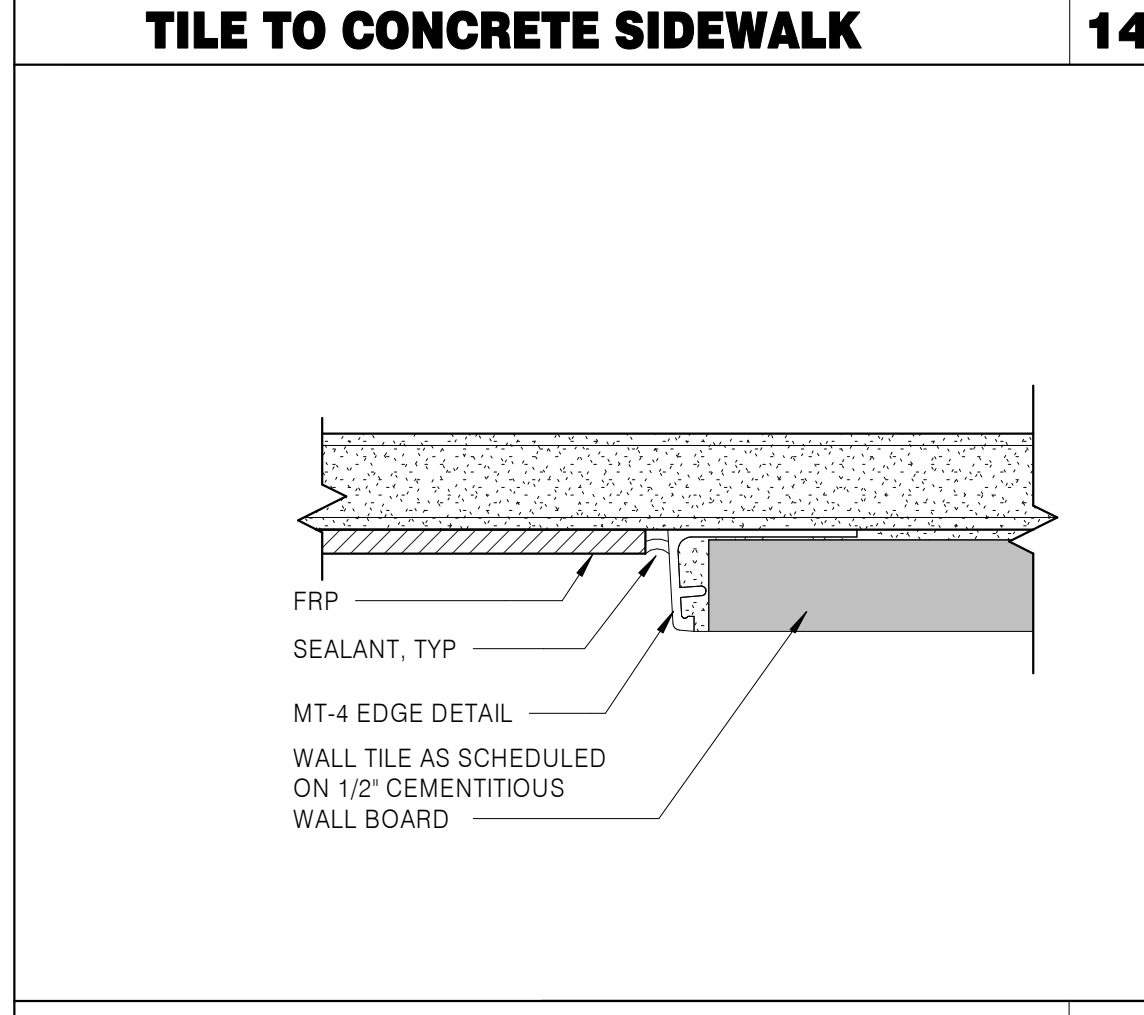
BASE @ SAUCE AND SODA WALL

6



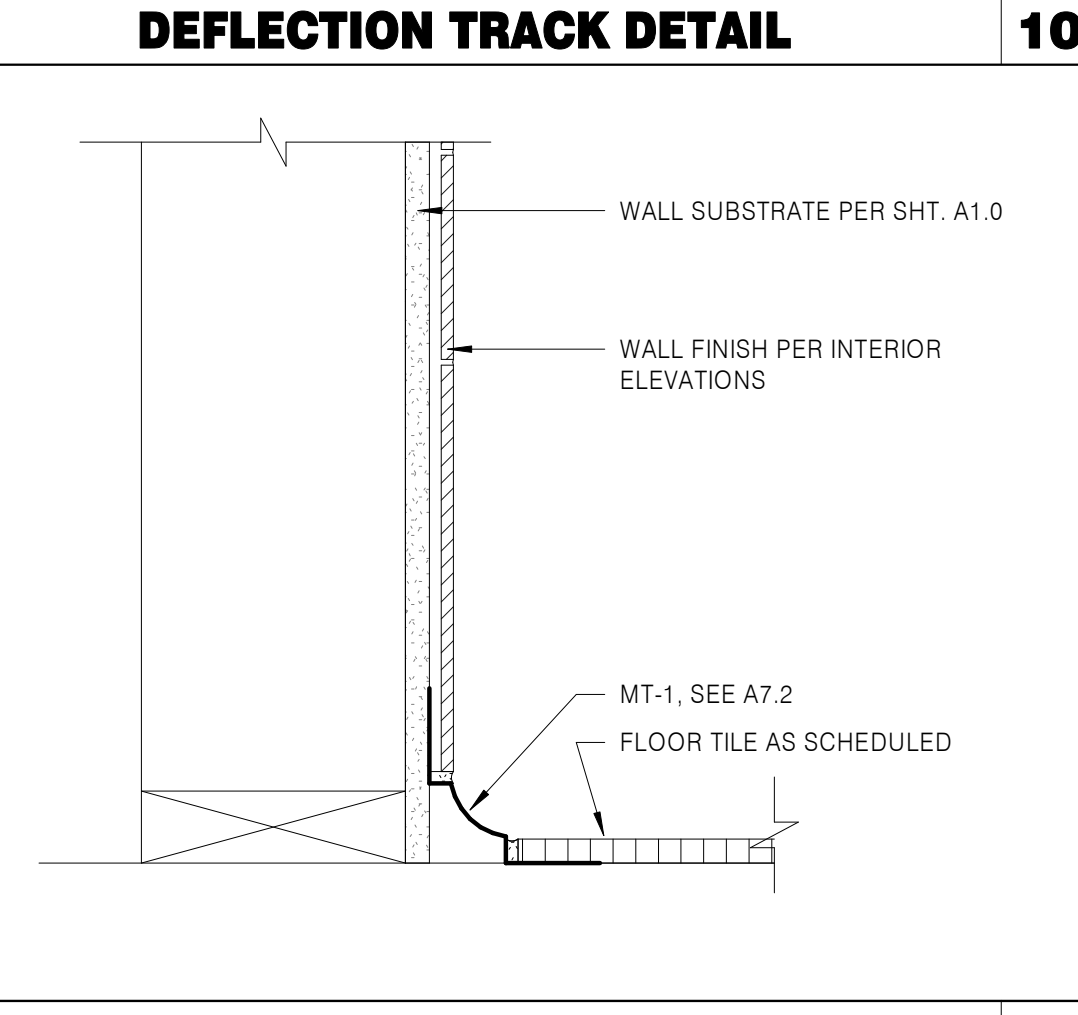
DETAIL AT EDGE OF TILE WALL

2



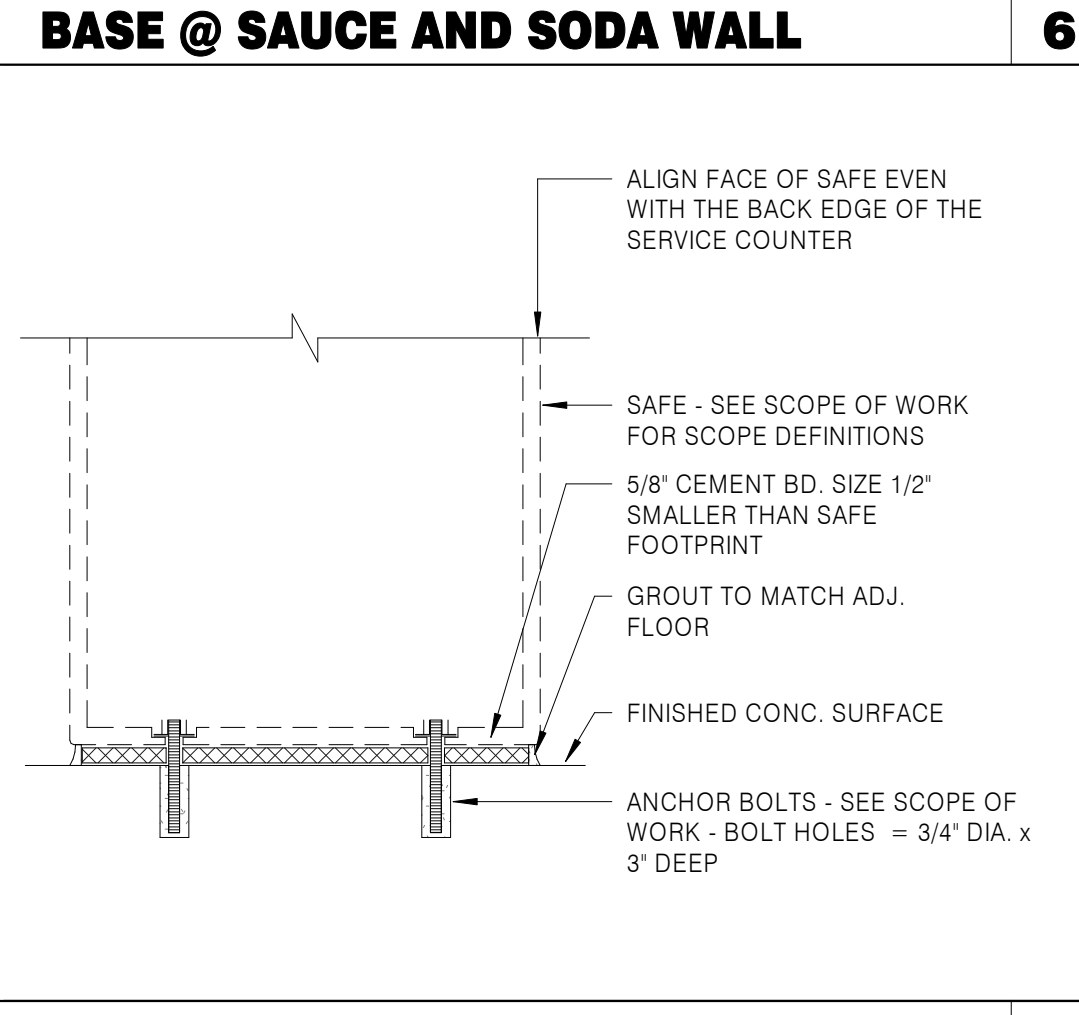
TILE TRANSITION DETAIL 12" = 1'-0"

15



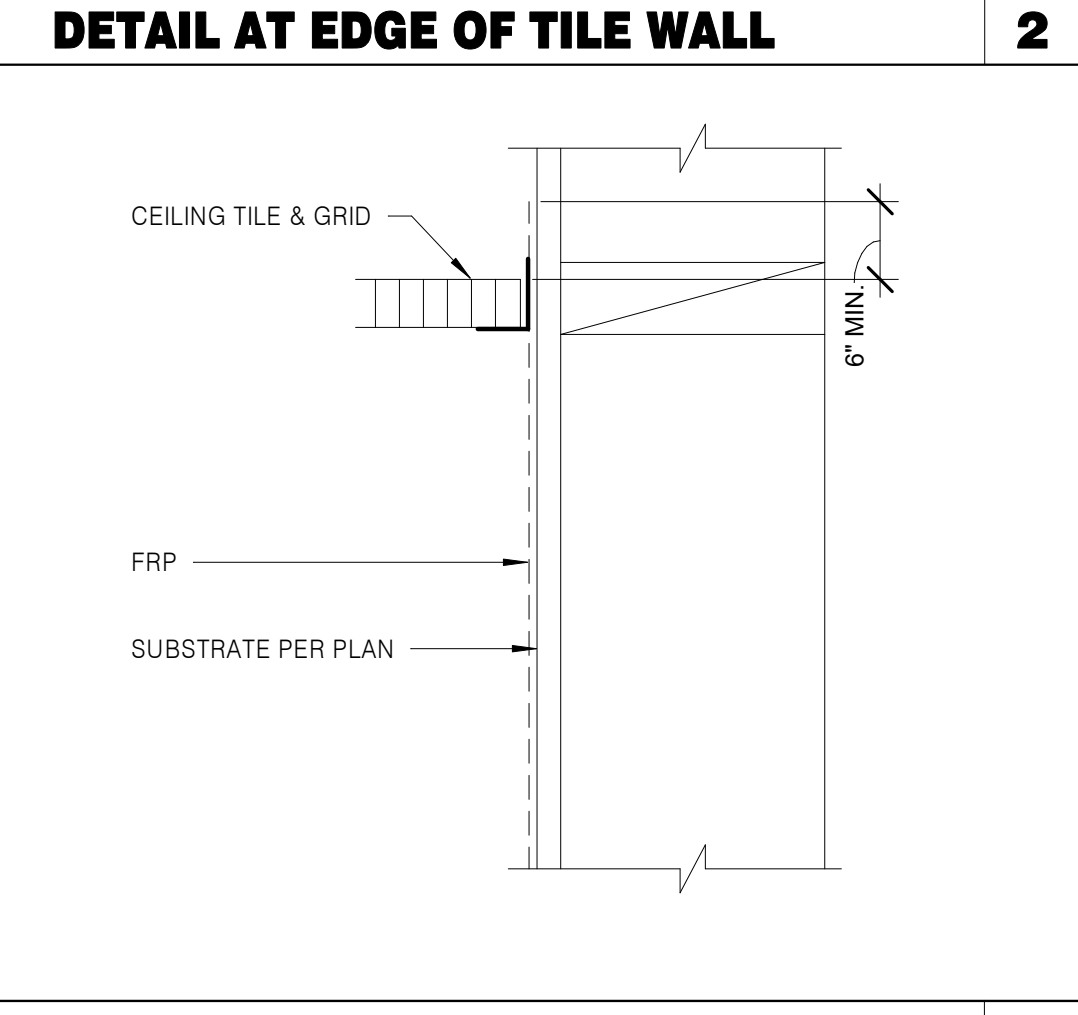
BASE IN RESTROOM

11



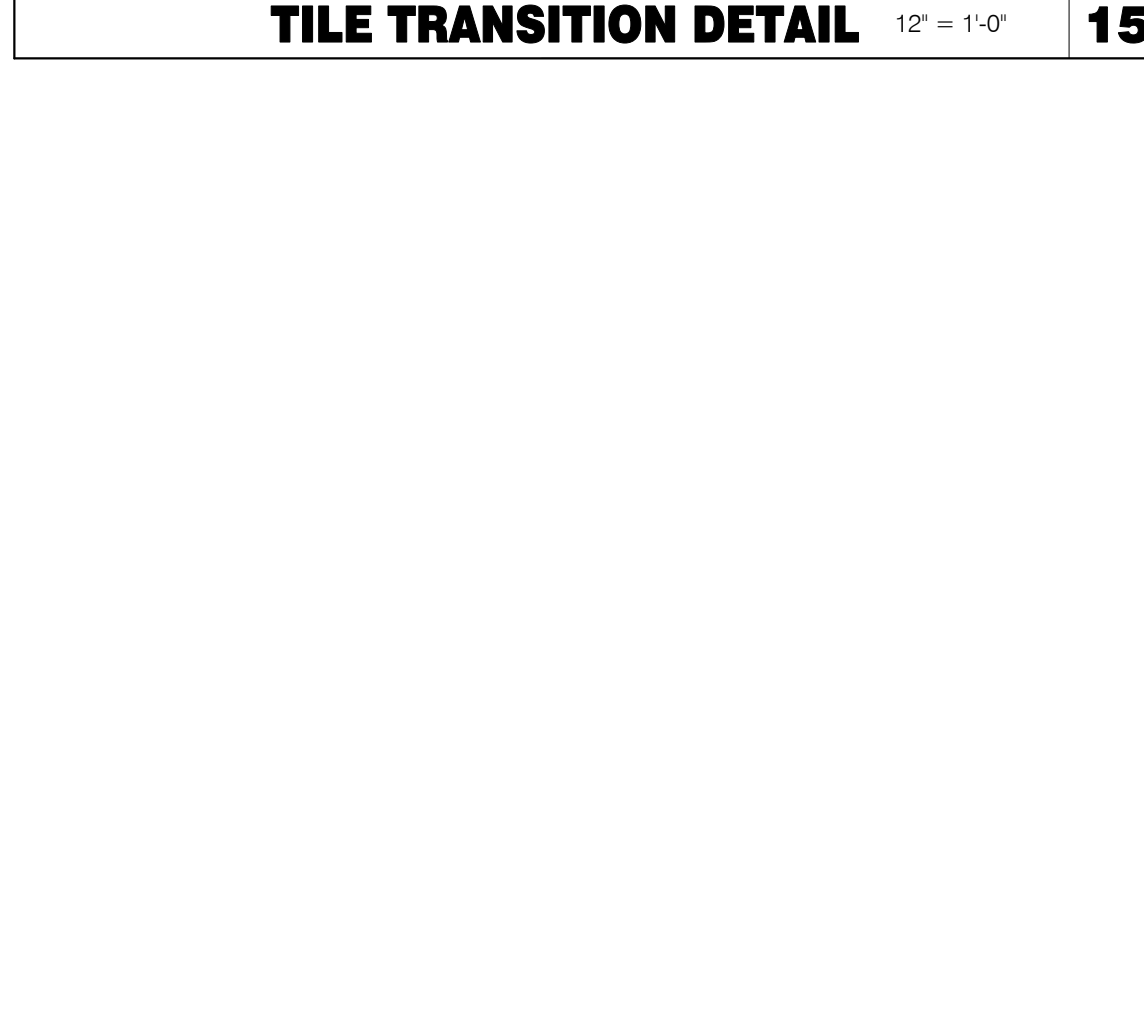
SAFE PEDESTAL

7



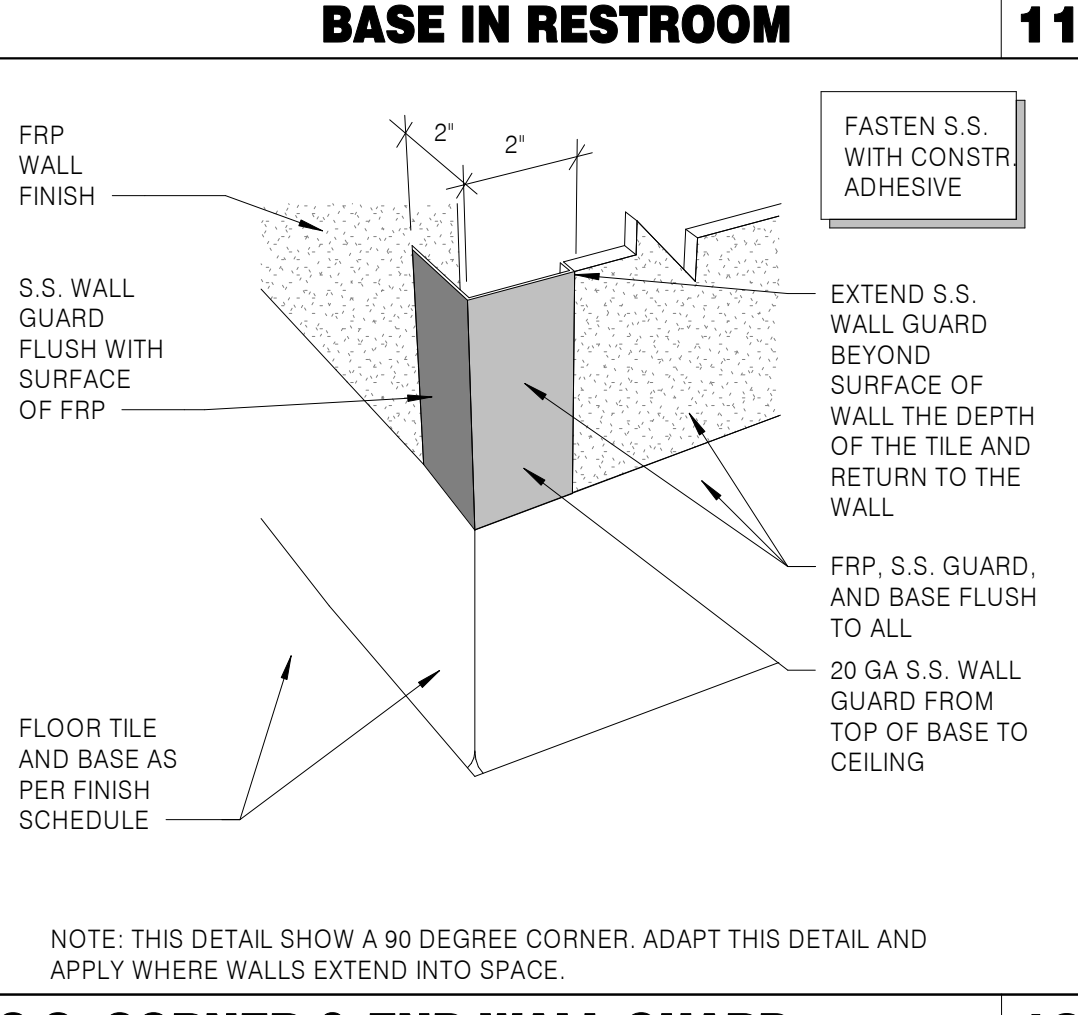
KITCHEN FINISH @ CEILING

3



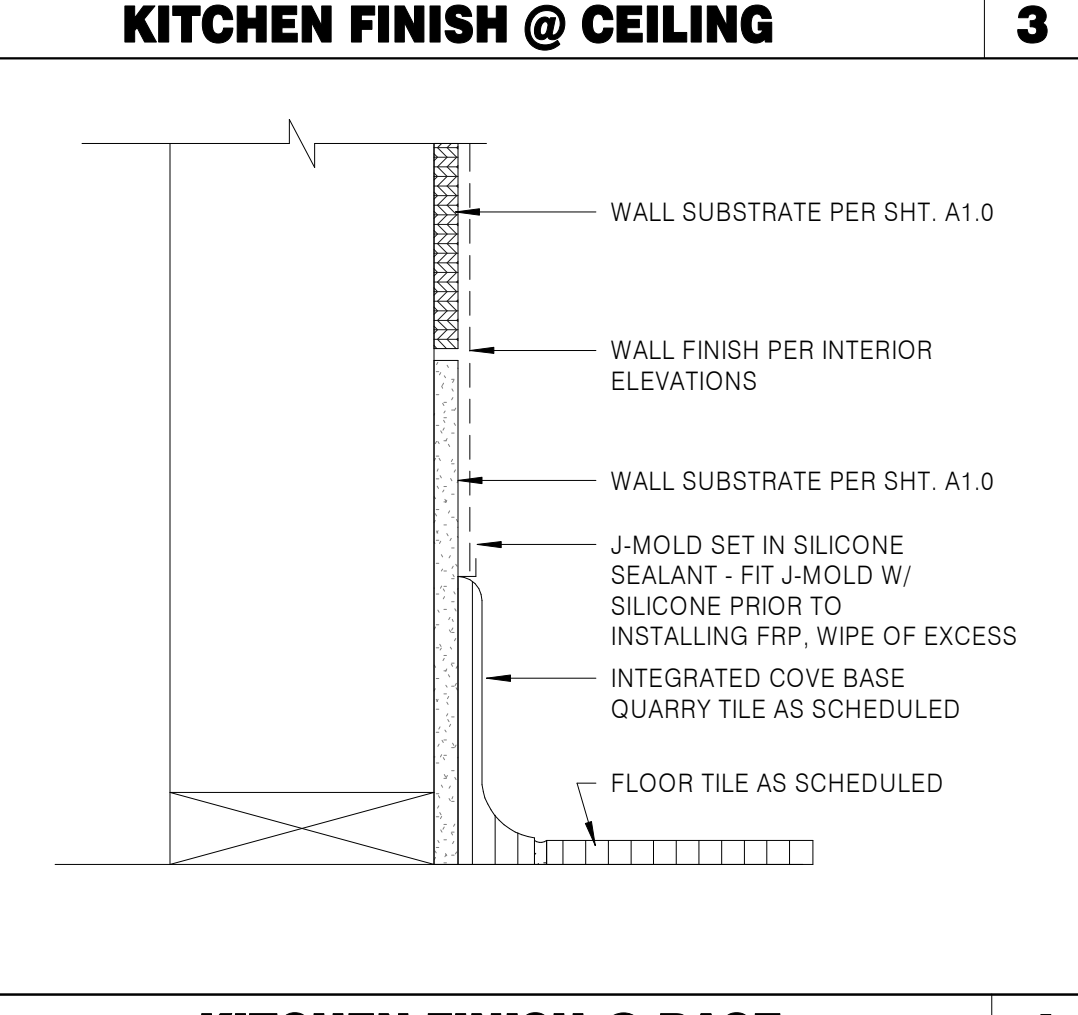
S.S. CORNER & END WALL GUARD

12



BASE @ DINING ROOM INT. WALL

8



KITCHEN FINISH @ BASE

4

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FLOOR PLAN: ME - T40
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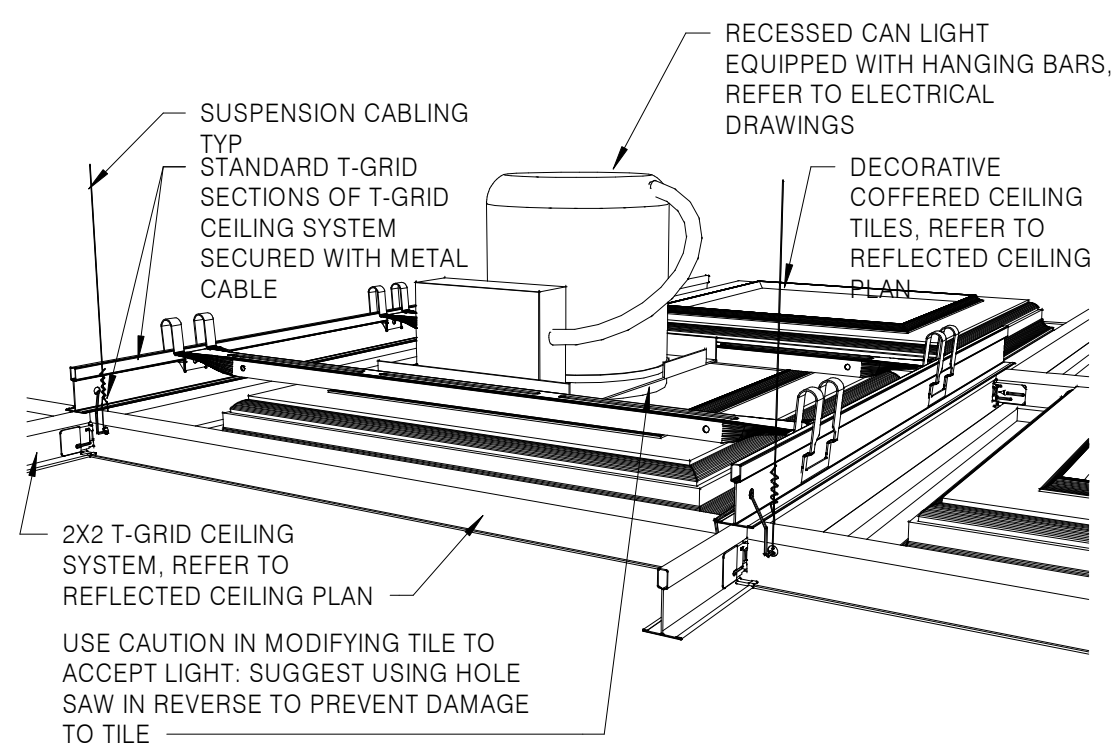
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T40

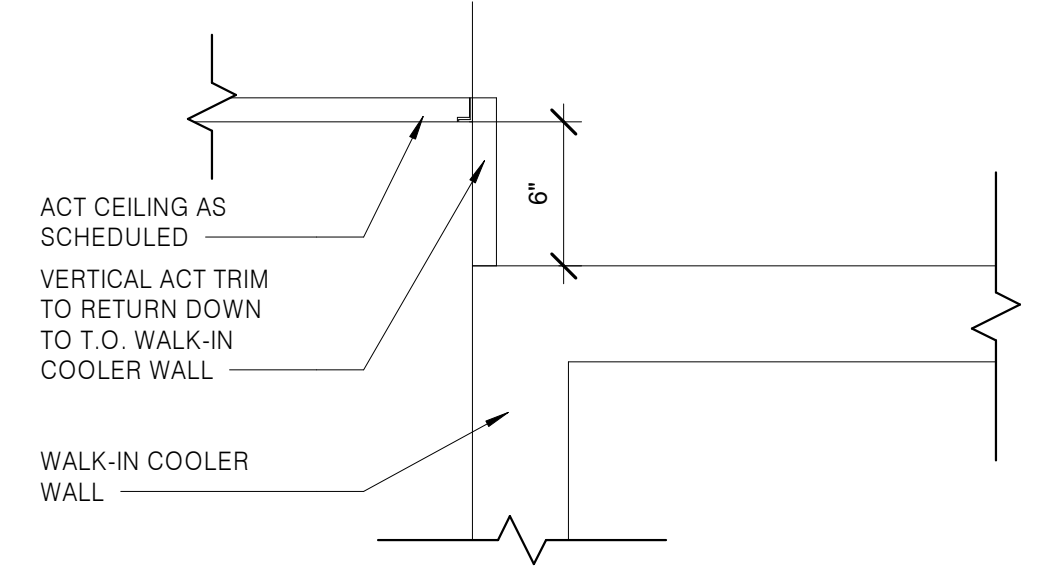
FINISH DETAILS

A6.5

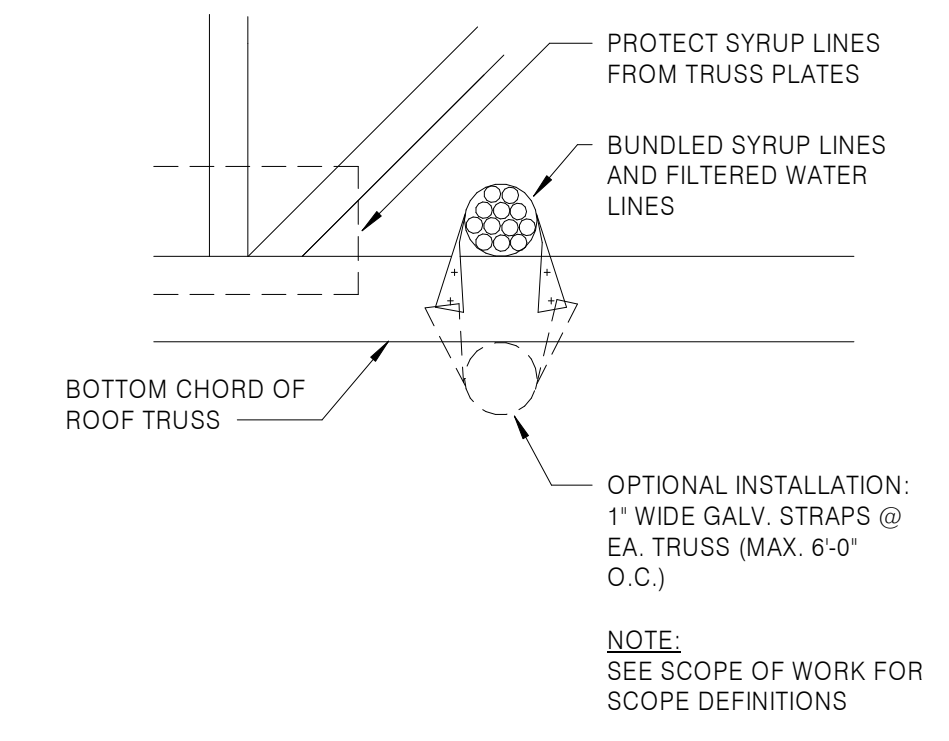
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CEILUME DTL @ RECESSED FIXTURE N.T.S. **8**



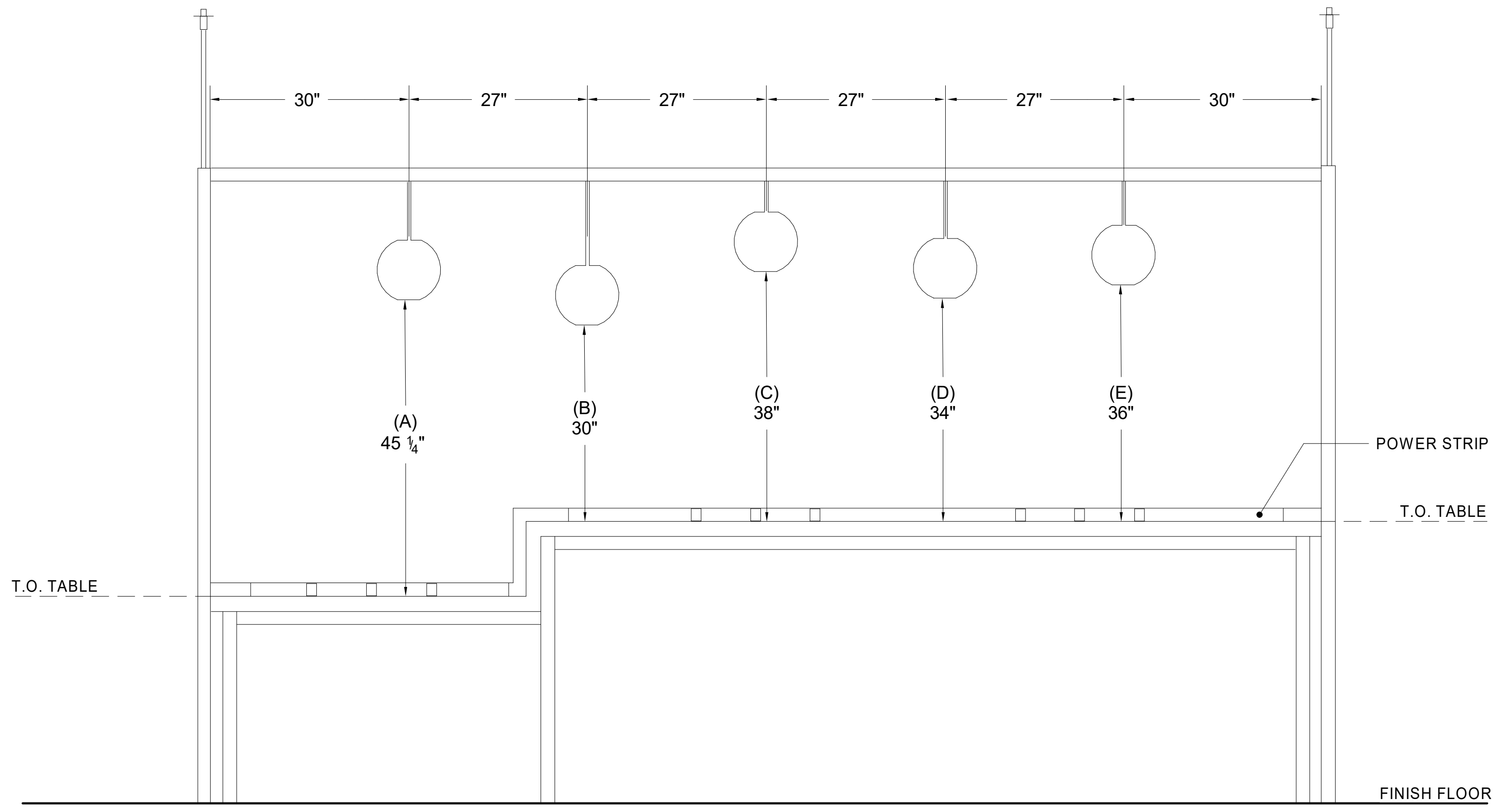
ACT DETAIL AT COOLER N.T.S. **5**



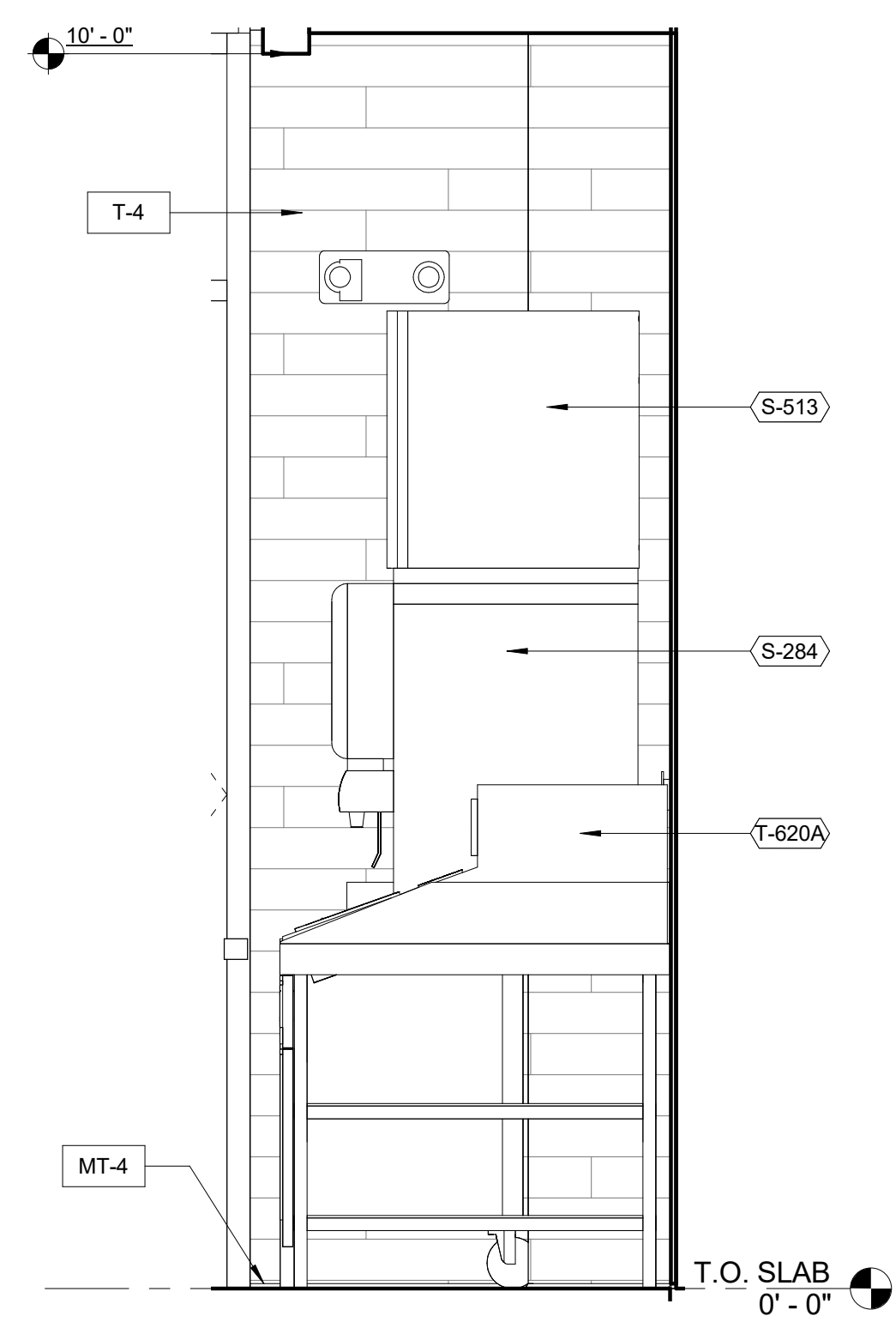
SYRUP LINE IN CEILING N.T.S. **1**

HUB TABLE LIGHTS ARE DIMENSIONED FROM TOP OF TABLE TO BOTTOM OF LIGHT FIXTURE

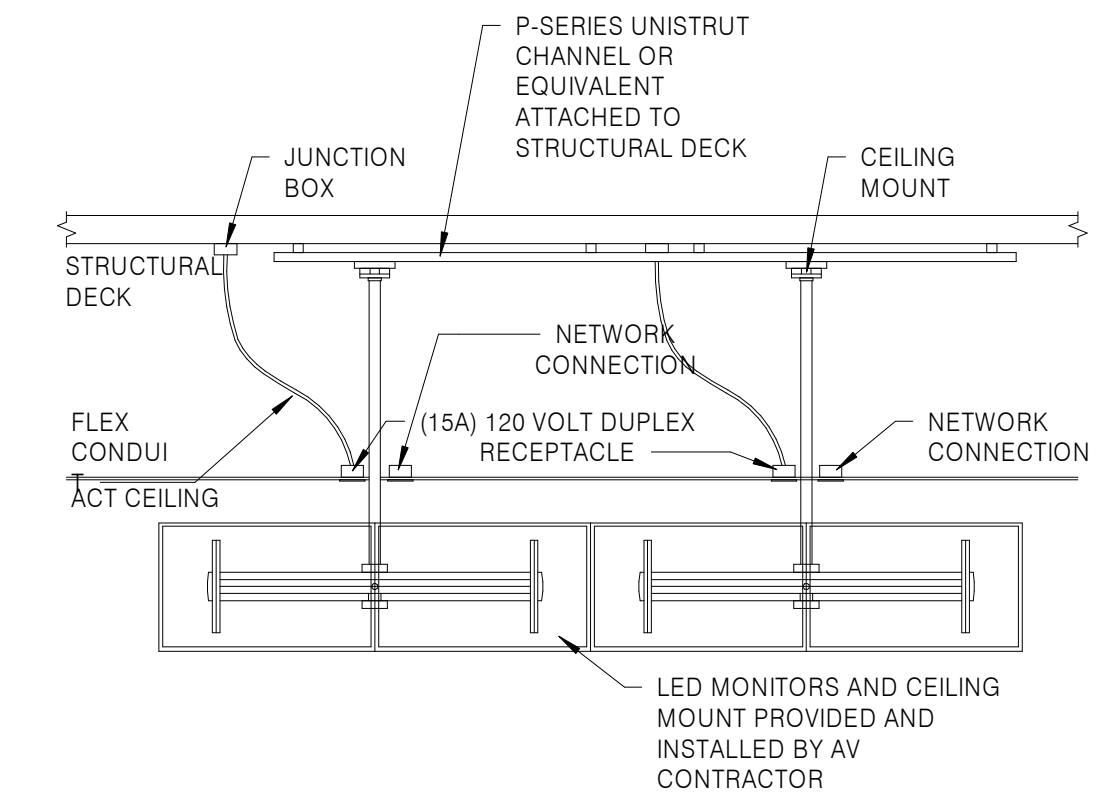
NOTE: GC TO DRILL 1/2" DIA. HOLE, IN METAL CHANNEL TO ACCOMMODATE MOUNTING PENDANT LIGHTS PER DIMENSIONS SPECIFIED. CENTER HOLES IN CHANNEL.



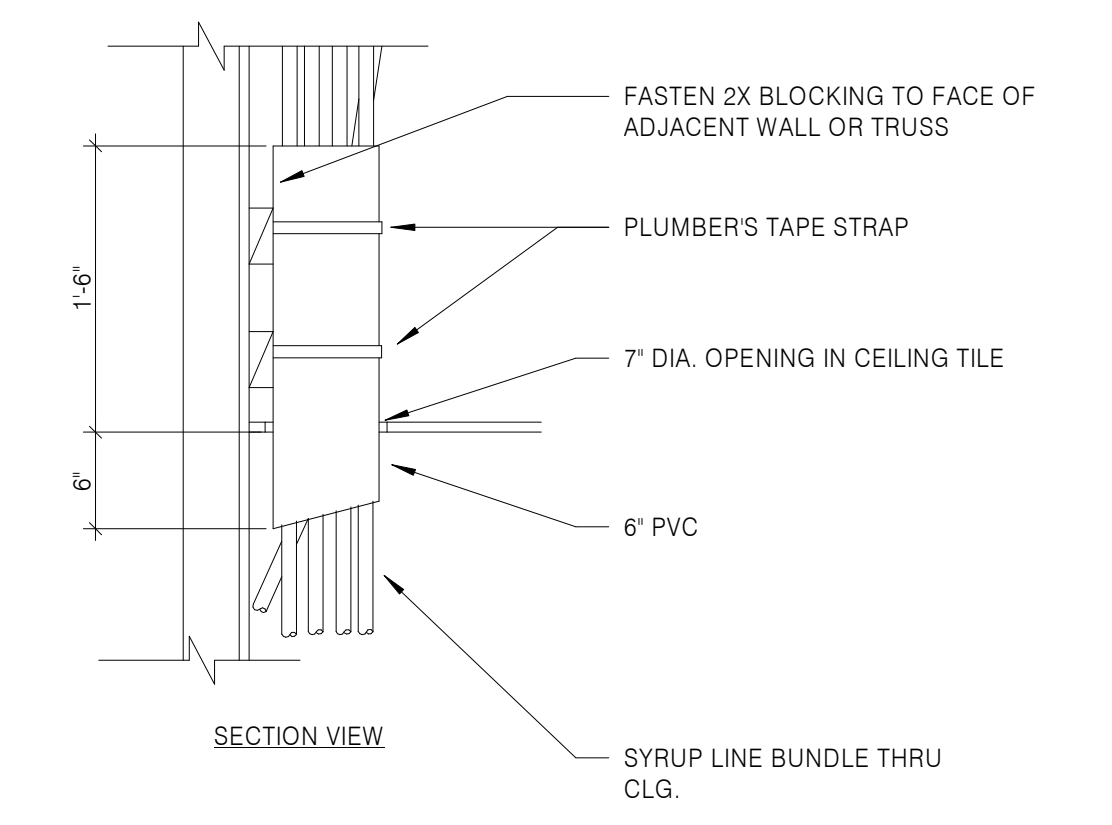
HUB TABLE LIGHT DETAIL 6" = 1'-0" **9**



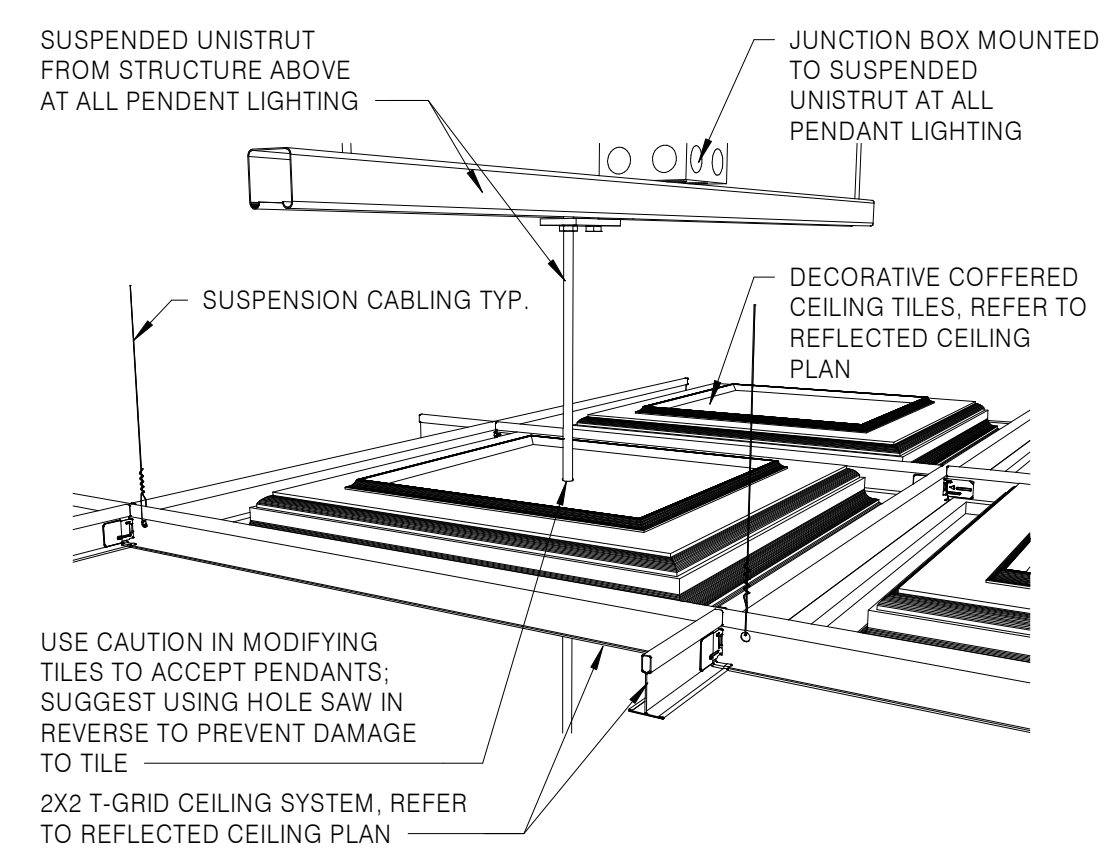
SECTION AT DRINKSTATION 3/4" = 1'-0" **6**



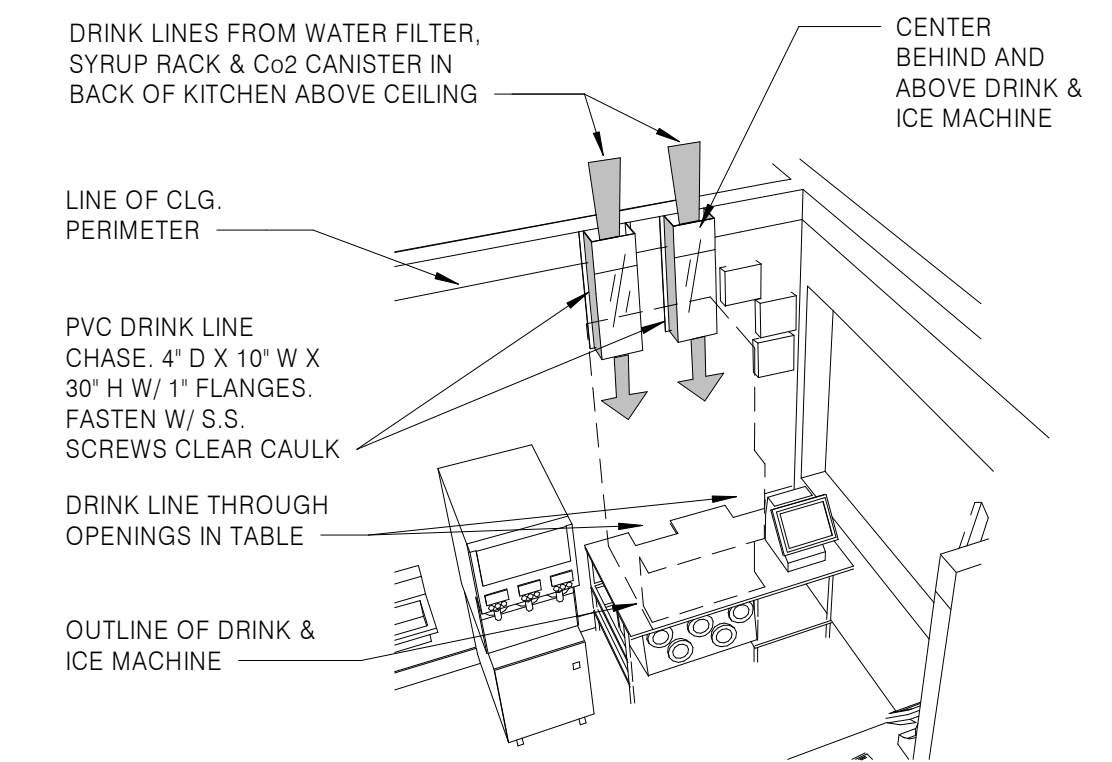
MENU BOARD MOUNTING DETAIL N.T.S. **2**



SYRUP BUNDLE CLG. PENETRATION N.T.S. **3**



CEILUME DTL @ PENDANT FIXTURE N.T.S. **7**



SYRUP CHASE ON WALL N.T.S. **4**

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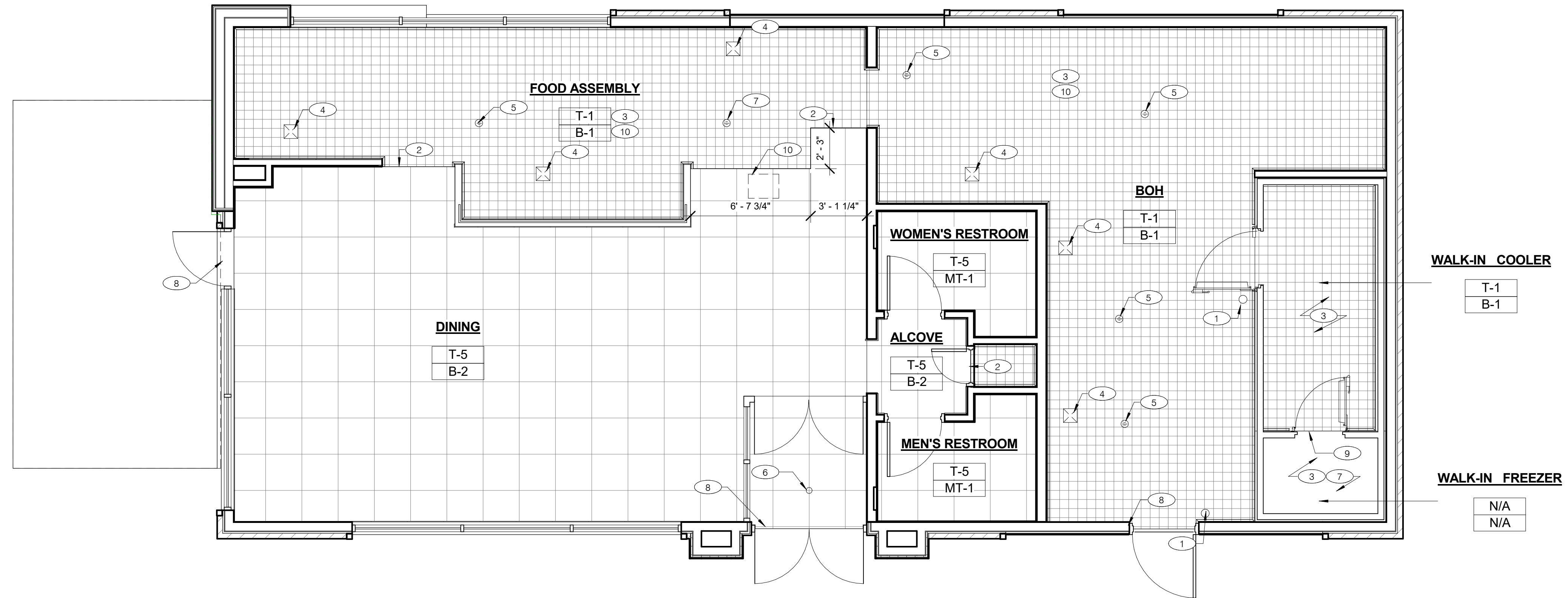
CONTRACT DATE:
BUILDING GROUP: T40M-O
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REVISION DATE:
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STORE NUMBER: 2018088.30

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MISCELLANEOUS DETAILS

A6.6

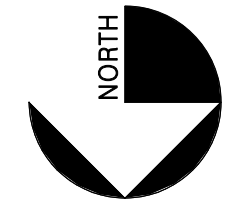


WALK-IN COOLER

T-1
B-1

WALK-IN FREEZER

N/A
N/A



FINISH FLOOR PLAN 1/4" = 1'-0" **A**

08.21.19	Issued for Construction

CONTRACT DATE: 08.21.19
BUILDING GROUP: T40M-O
FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

- A.** DENOTES FINISH MATERIAL. REFER TO SHT A7.2 FOR FINISHES.
- B.** TILE JOINTS (U.O.N.):
1. PORCELAIN FLOOR TILE : 3/16"
2. GLAZED WALL TILE : 1/8"
3. BASE, TRIM AND ACCESSORIES : MATCH ADJOINING TILE UNITS
- C.** TILE INSTALLATIONS REQUIRE MANUFACTURERS STANDARD MOLDED CORNERS AT BOTH INSIDE AND OUTSIDE CORNERS.
- D.** ALL BASE TILE SHALL BE SANITARY COVE STYLE WITH 3/8" MIN RADIUS UNLESS NOTED OTHERWISE.
- E.** SEE SCOPE OF WORK SHEETS FOR RESPONSIBILITIES.
- F.** PROVIDE CLEAR SILICONE CAULK WHERE FRP STOPS AT TOP OF COVE BASE.

- ① HUB DRAIN
② FLOAT TILE FOR FLUSH TRANSITION
③ PROVIDE FLOOR TILE AND BASE INSIDE WALK-IN COOLER. (NO TILE BASE IN FREEZER). FLOAT FLOOR TILE IN COOLER TO DRAIN TO KITCHEN. COORDINATE WITH COOLER MANUFACTURER.
④ FLOOR SINK
⑤ FLOOR DRAIN
⑥ START POINT FOR FLOOR TILE, CENTERED ON DOOR. START FULL TILE AT DOOR
⑦ NO BASE BEHIND WALK-IN COOLER/FREEZER
⑧ ADA COMPLIANT ALUMINUM THRESHOLD. SEE DETAIL 2/ADA1.2, 4/A6.3 AND 7/A6.3
⑨ STEP-UP AT FREEZER TRANSITION
⑩ PEDESTAL SAFE UNDER POS COUNTER

FLOOR FINISH NOTES N.T.S. **C**

FLOOR FINISH KEYNOTES N.T.S. **B**

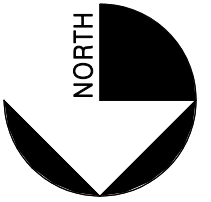
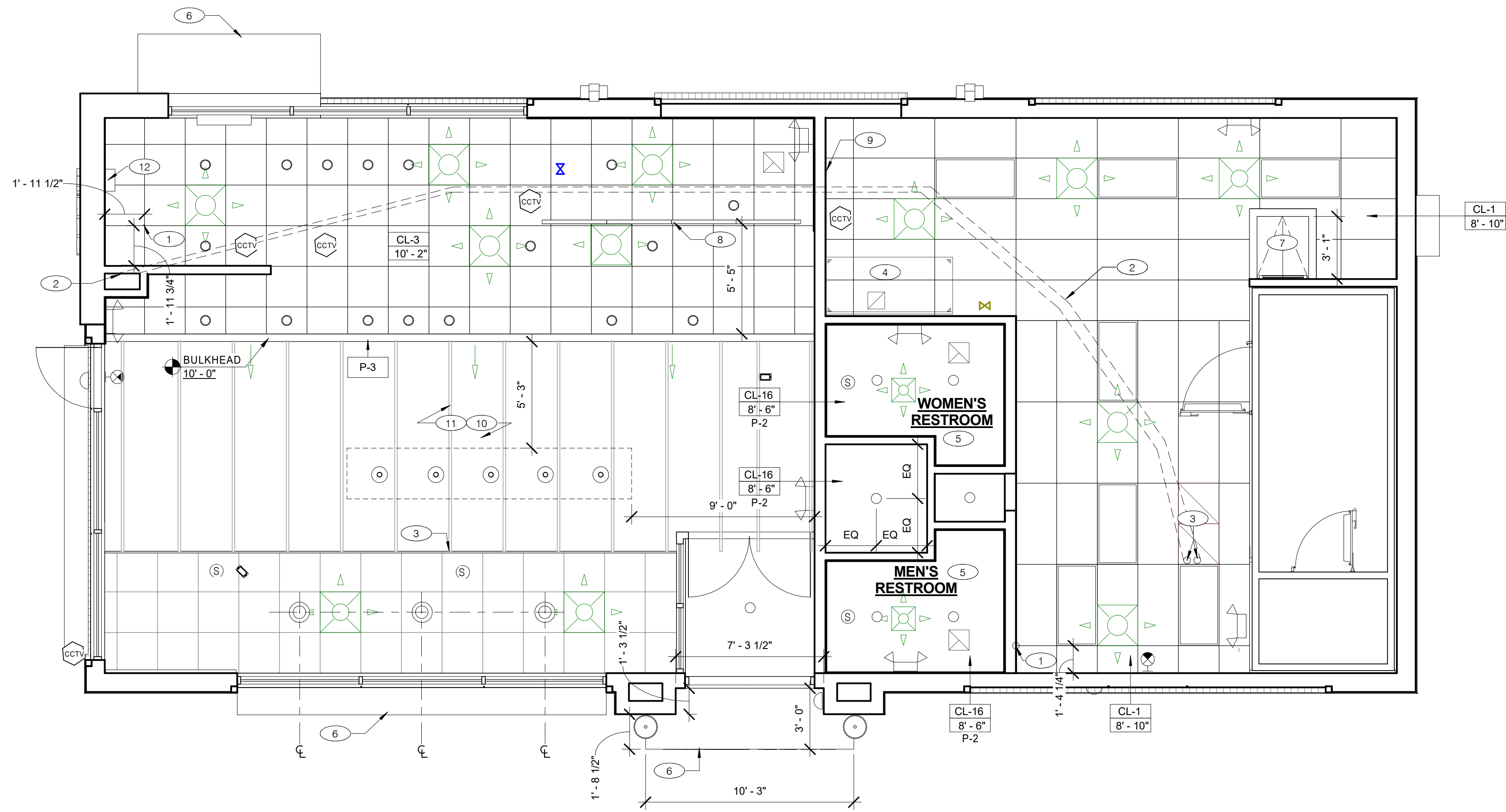
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FLOOR FINISH PLAN

A7.0

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FLOOR PLAN: 313076
REVISION DATE: 2018088.30
SITE NUMBER: 2018088.30
STORE NUMBER: 2018088.30

REFLECTED CEILING PLAN 1/4" = 1'-0" **A**

- LIGHTING**
- RECESSED LIGHT FIXTURE
 - PENDANT LIGHT FIXTURE
 - HUB TABLE PENDANT LIGHT
 - SCONCE LIGHT FIXTURE
 - CEILING MOUNTED EXIT SIGN
 - 2' X 4' LAY-IN LIGHT FIXTURE
 - DUAL HEAD EMERGENCY FIXTURE
 - EMERGENCY WALL PACK FIXTURE
 - SECURITY STROBE LIGHT
- MECHANICAL** **AUDIO**
- EXHAUST FAN SPEAKER
 - SUPPLY
 - RETURN

RCP SYMBOL LEGEND N.T.S. **D**

DIMENSIONS:
A. ALL DIMENSIONS ARE TO FACE OF FINISH U.O.N.

CEILING FINISHES:
A. REFER TO ROOM FINISH SCHEDULE (SHT A7.2) FOR CLG. FINISHES.

SUSPENDED CEILING:
A. ACOUSTICAL PANEL INSTALLATION: INSTALL ACOUSTICAL PANELS WITH EDGES IN CLOSE CONTACT WITH METAL SUPPORTS AND IN TRUE ALIGNMENT.
B. ALLOWABLE VARIATIONS FROM FLAT AND LEVEL SURFACE: 1/8" IN 10'-0" MAX.
C. ALLOWABLE VARIATIONS FROM PLUMB OF GRID MEMBERS: AS CAUSED BY ECCENTRIC LOADS. 2" MAX.
D. INSTALL SYSTEM AFTER MAJOR ABOVE CLG. WORK IS COMPLETE. COORD LOCATIONS OF HANGERS WITH RELATED WORK.
E. SEE SPECS FOR ADDITIONAL INFORMATION.
F. CUT EDGES OF REGULAR TILES SHALL BE ROUTED.

CEILUME SUSPENDED CEILING:
A. CUT TILES: USE SCISSORS OR STRAIGHT BLADE AVIATION SNIPS TO CUT CEILING TILES. DO NOT USE A UTILITY KNIFE. TWO (2) OR THREE (3) TILES CAN BE NESTED TOGETHER AND CUT AT ONE TIME.
B. CUTTING HOLES: RUN HOLE SAW IN REVERSE. THIS WILL ALLOW FOR SMOOTH CUT AND PREVENT SAW BLADE FROM BINDING OR GRABBING VINYL FOR AREAS WITH HIGH WIND LOAD OR POSITIVE PRESSURE BELOW THE CEILING. RESULTING IN UPLIFT OF TILES.
C. INSTALL TWO (2) UPLIFT PREVENTION CLIPS PER TILE; USG/DOWN 115 CEILING CLIP OR EQUIVALENT. INSTALL CLIPS ON TILES NEAREST DOORS FIRST, AND WORK INWARDS. ONLY CLIP TILES THAT EXHIBIT UPLIFT. DO NOT INSTALL ON ENTIRE CEILING. DO NOT INSTALL A 'BLANKET' OR MINERAL FIBER TILE ON TOP OF THE CEILUME TILE TO PREVENT UPLIFT.

GYPSUM BOARD CEILING:
A. SUBSTRATE SHALL BE 1/2" THICK GYP. BD.
B. ACOUSTICAL SEALANT: APPLY TO GYP. BD. PANELS AS INDICATED IN SPECS.
C. GYP. BD. FINISHING AND DECORATING: REFER TO DWGS FOR TEXTURE AND FINISHES.

ELECTRICAL:
A. SEE ELECT. DWGS. FOR FIXTURE SCHED.
B. EXISTING EMERGENCY LIGHTS TO REMAIN.
C. CEILING MOUNTED OUTLETS & PLATES SHALL BE BLACK.
D. PENDANTS SHALL BE CENTERED OVER TABLES. VERIFY TABLE LOCATIONS WITH SEATING VENDOR SUPPLIED CORE DRILL PLAN PRIOR TO LOCATING PENDANTS.

MECHANICAL:
A. ALL DINING ROOM SUPPLY AND RETURN GRILLES SHALL BE INSULATED. FAILURE TO COMPLY WILL RESULT IN INSTALLATION BEING REJECTED. CORRECTIONS MADE AND ALL REMEDIAL COSTS CHARGED BACK TO CONTRACTOR.

REFLECTED CEILING PLAN NOTES N.T.S. **C**

- 1 CEILING GRID STARTING POINT.
- 2 NON-INSULATED BUNDLED SYRUP LINES FOR DRINK SYSTEM IN CHASE AND ABOVE CEILING. SEE DETAIL 1/A6.6
- 3 LINE OF AXIOM EDGE DETAIL FOR FLOATING ACT CEILING, CL-4
- 4 EXHAUST HOOD
- 5 FOR ROUGH FRAMING OPENINGS SEE AIR DEVICE SCHED. (TYP. AT RESTROOMS)
- 6 AWNING/ROOF BY OTHERS
- 7 ROOF HATCH. SEE 2&4/A6.2
- 8 MENU BOARD
- 9 ALERT LIGHT BOX FOR 3-COMP POWER SOAK MOUNTED AT C.L. OF BOX 7'-11" AFF
- 10 WOOD TRUSS, B.O. TRUSS AT 11'-8" A.F.F
- 11 PAINT ALL EXPOSED DUCTWORK, ELECTRICAL WIRING, ROOF DECK, AND WALL SURFACES ABOVE TRUSS BEARING P-3. TRUSSES AND BRIDGING TO REMAIN UNPAINTED.
- 12 STAINLESS STEEL SYRUP CHASE ON WALL. SEE DETAIL 4/A6.6

REFLECTED CEILING PLAN KEYNOTES N.T.S. **B**

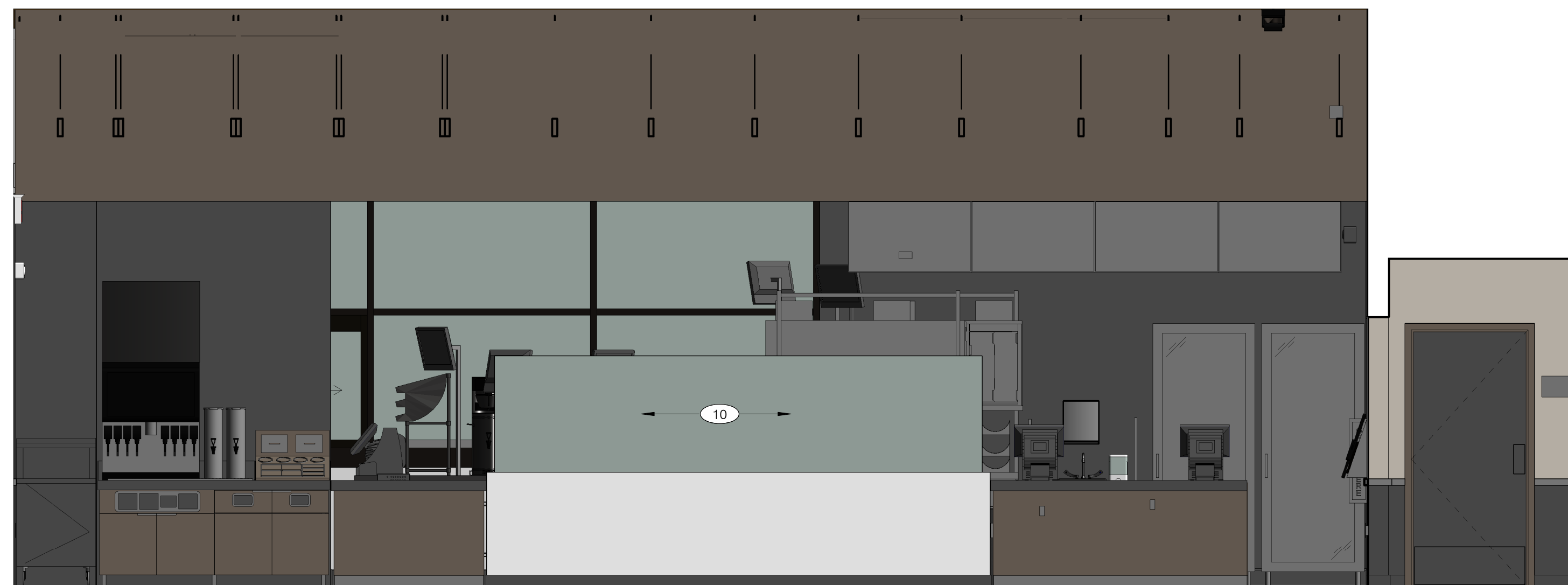
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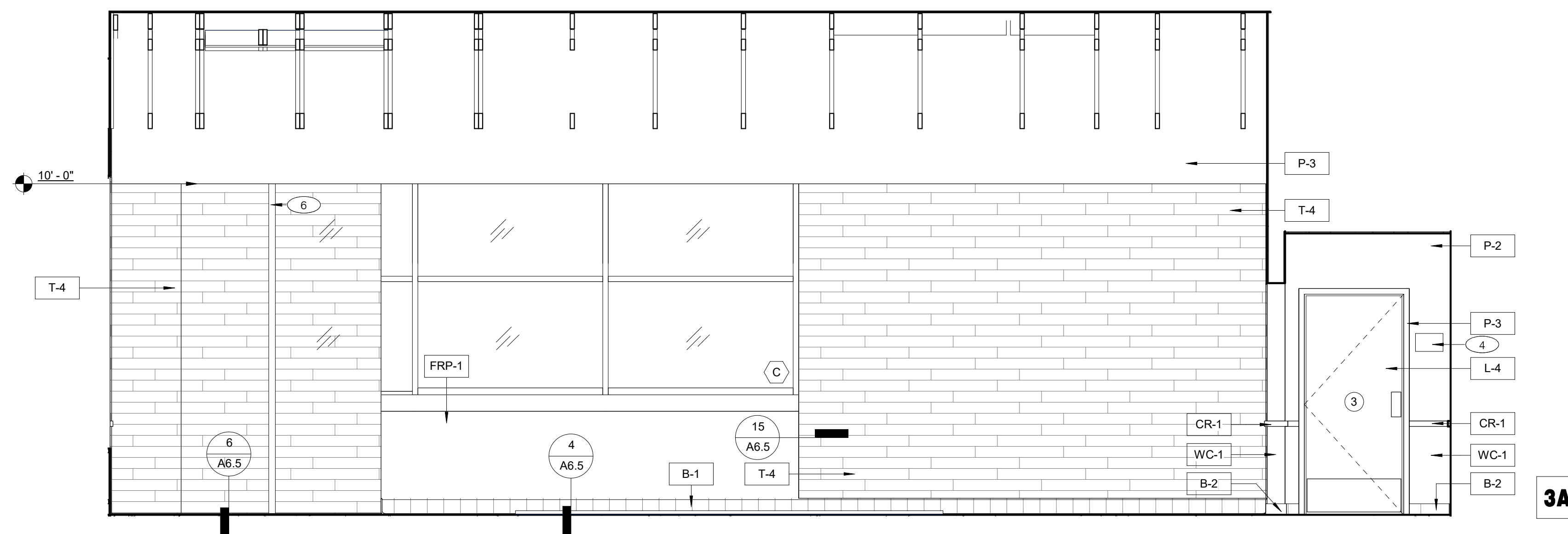
T40

REFLECTED CEILING PLAN

A7.1



3B THIS COLORED ELEVATION IS FOR REFERENCE ONLY



DINING 3/8" = 1'-0" **3**

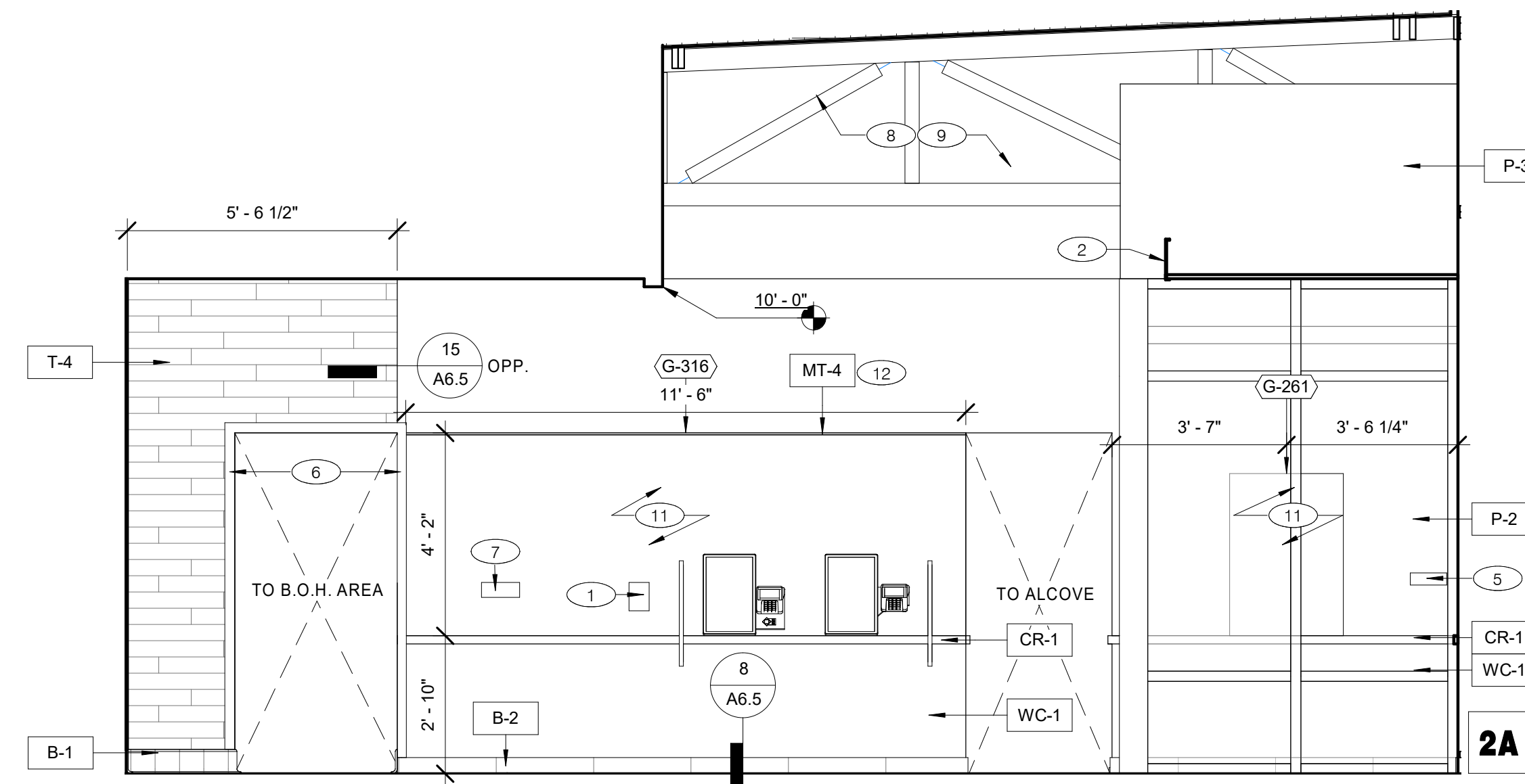
INTERIOR ELEVATION KEYNOTES N.T.S. **1**

- ① TEMPERATURE SENSOR.
- ② ACT EDGE TRIM, SEE A7.2
- ③ HVAC SUPPLY DIFFUSER, PAINT TO MATCH WALL COLOR
- ④ H.C. SIGNAGE, REFER TO ADA SHEETS
- ⑤ NO SMOKING SIGN.
- ⑥ STAINLESS STEEL CORNER GUARDS.
- ⑦ "PLEASE ASK IF YOU NEED ASSISTANCE" SIGN. SMALLWARE PACKAGE.
- ⑧ PAINT ALL EXPOSED DUCTWORK, ELECTRICAL WIRING, TRUSSES, ROOF DECK AND WALL SURFACES ABOVE TRUSS BEARING P-8
- ⑨ OPEN TO STRUCTURE ABOVE ACT EDGE TRIM
- ⑩ 1/2" TEMPERED GLASS. SEE DETAILS ON SHEET A8.4
- ⑪ ARTWORK / MURAL LOCATION
- ⑫ MURAL TRIM TO ALIGN WITH TOP OF ADJACENT DOOR OPENING, SEE FINISH SCHEDULE

DATE	DESCRIPTION
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2B THIS COLORED ELEVATION IS FOR REFERENCE ONLY



DINING 3/8" = 1'-0" **2**

CONTRACT DATE:
BUILDING GROUP: T40M-O
FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

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T40

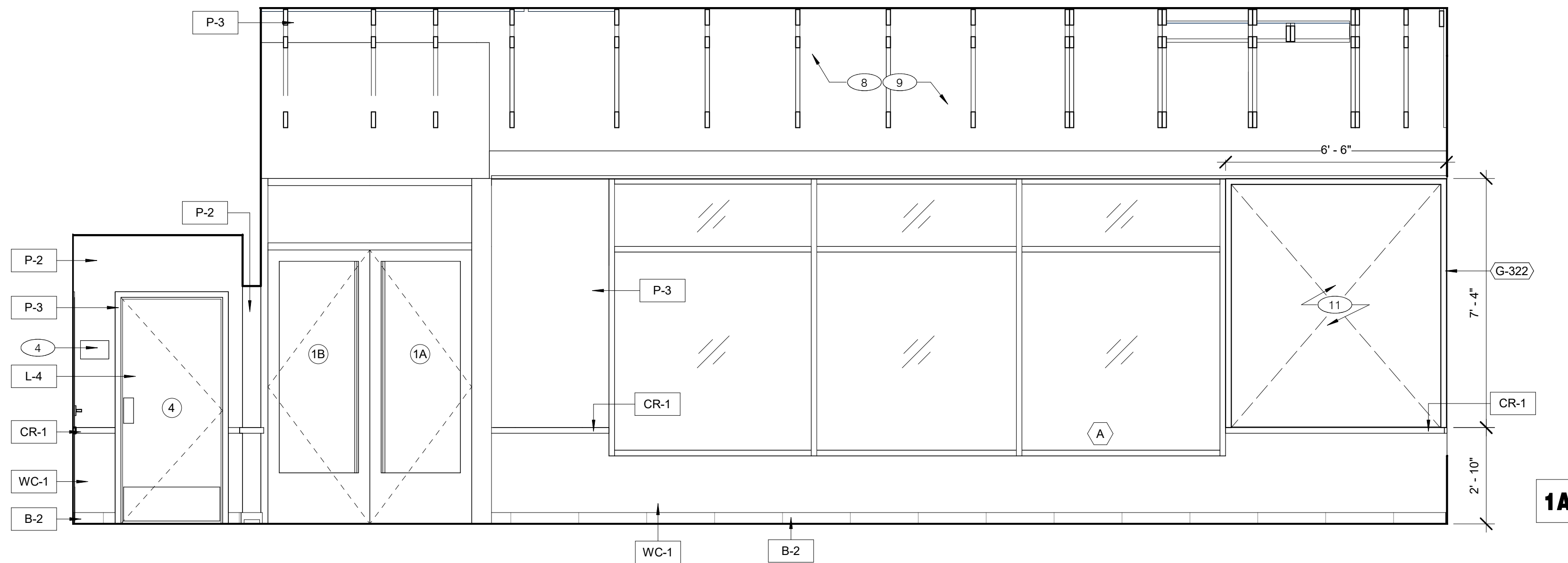
INTERIOR ELEVATIONS - DINING

A8.0

PLOT DATE: 8/21/2019 2:29:43 PM



1B THIS COLORED ELEVATION IS FOR REFERENCE ONLY



DINING 3/8" = 1'-0" **1**

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REVISION DATE: 201808.30
SITE NUMBER: 2018088.30
STORE NUMBER:

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T40

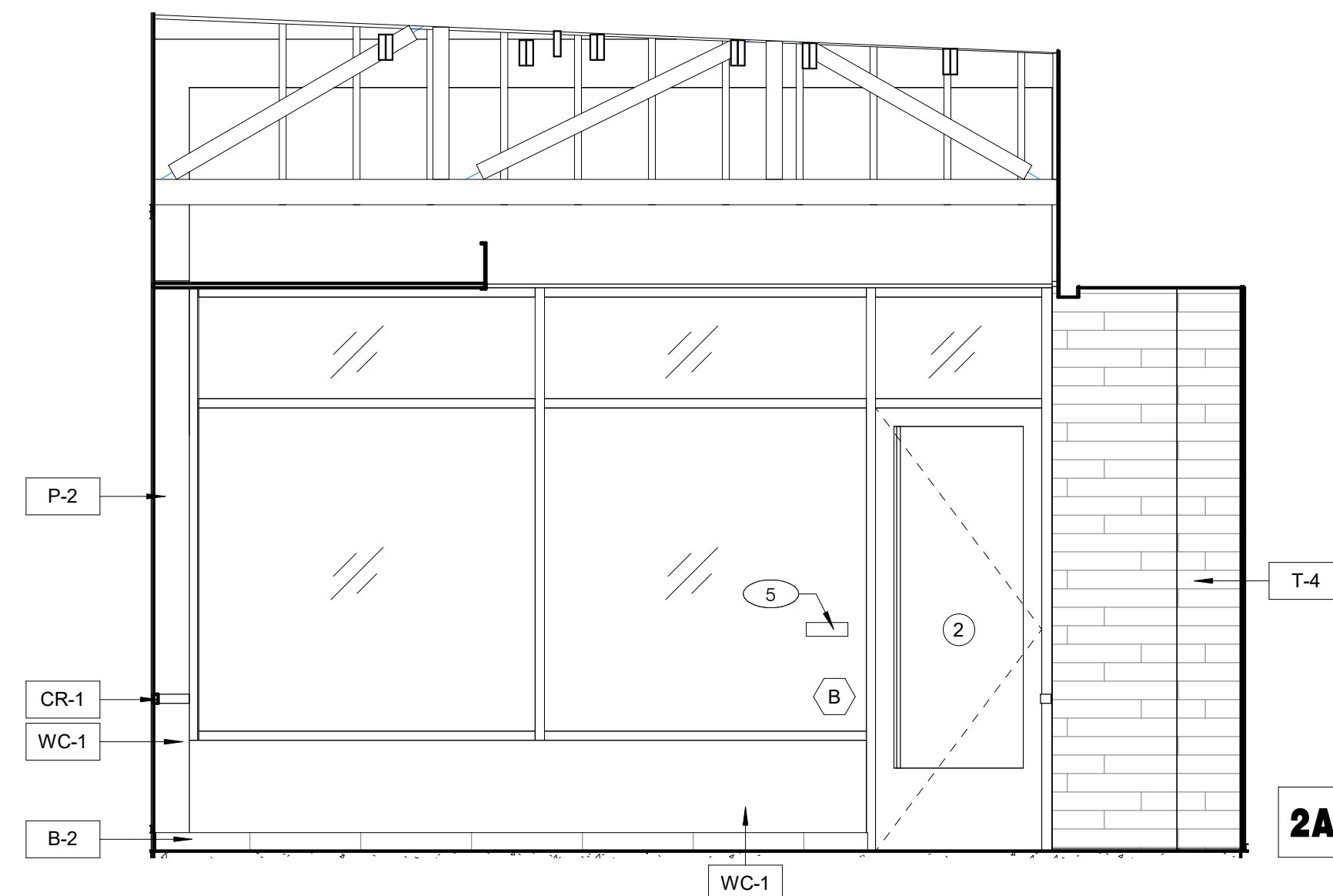
INTERIOR ELEVATIONS - DINING

A8.1

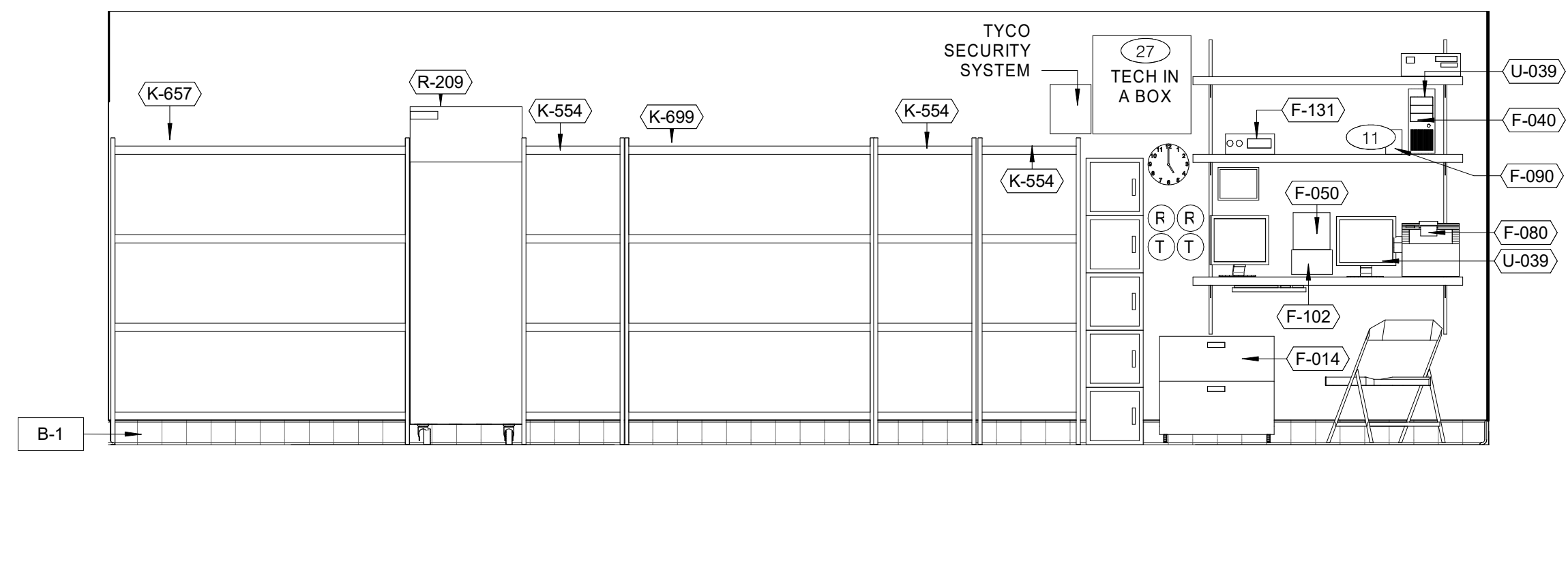
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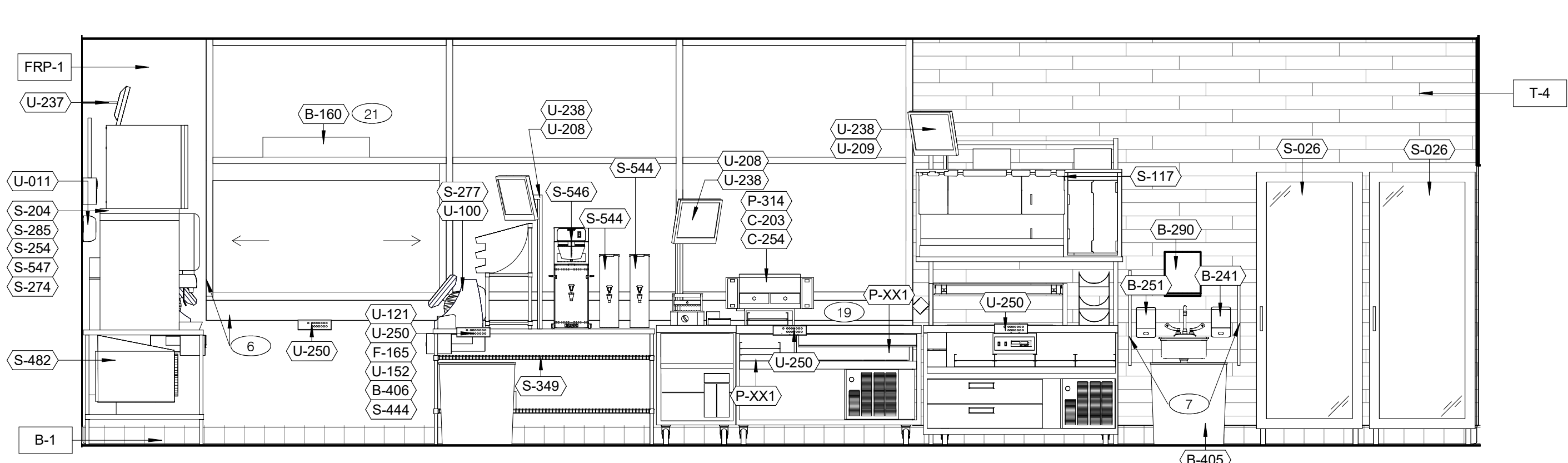
2B THIS COLORED ELEVATION IS FOR REFERENCE ONLY



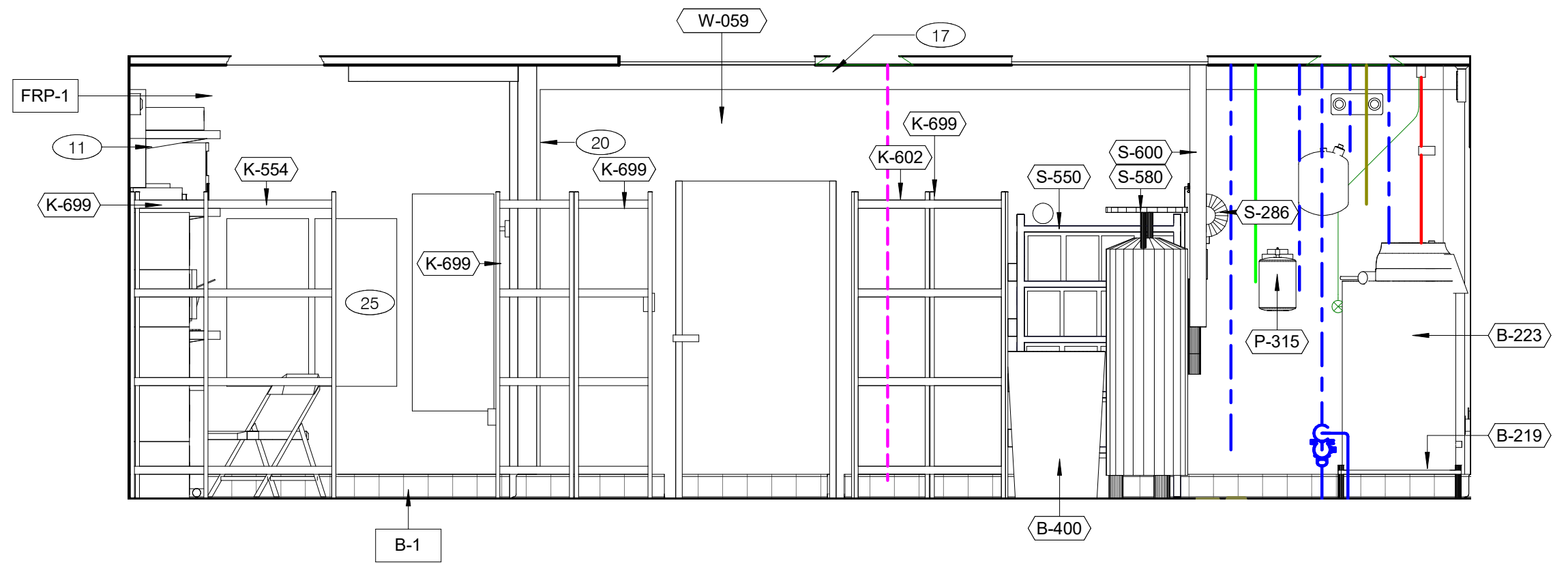
DINING 3/8" = 1'-0" **2**



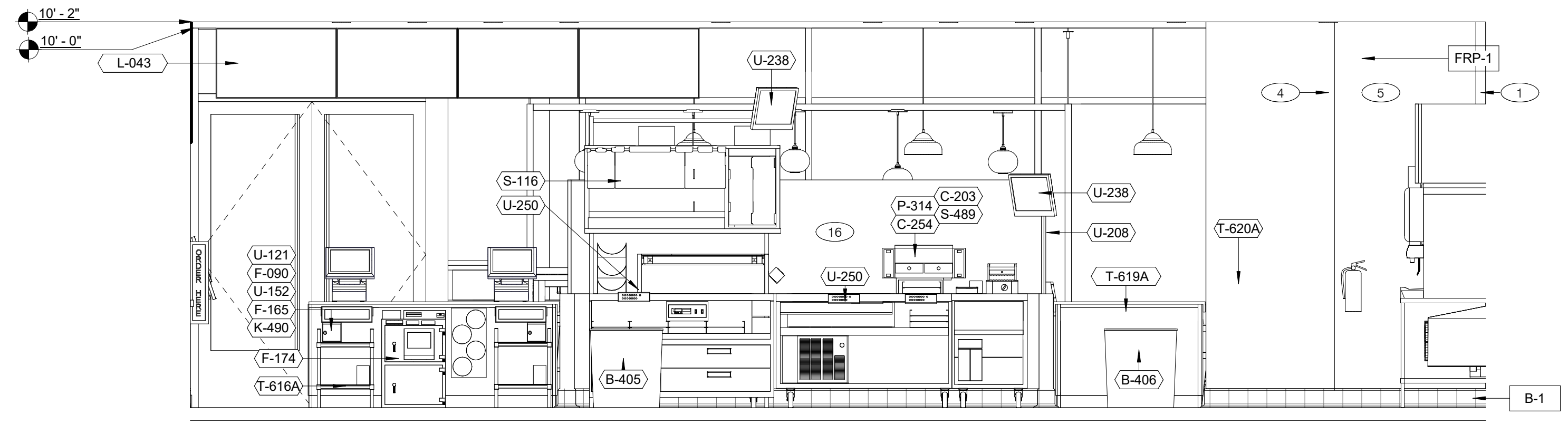
BOH 1 3/8" = 1'-0" **6**



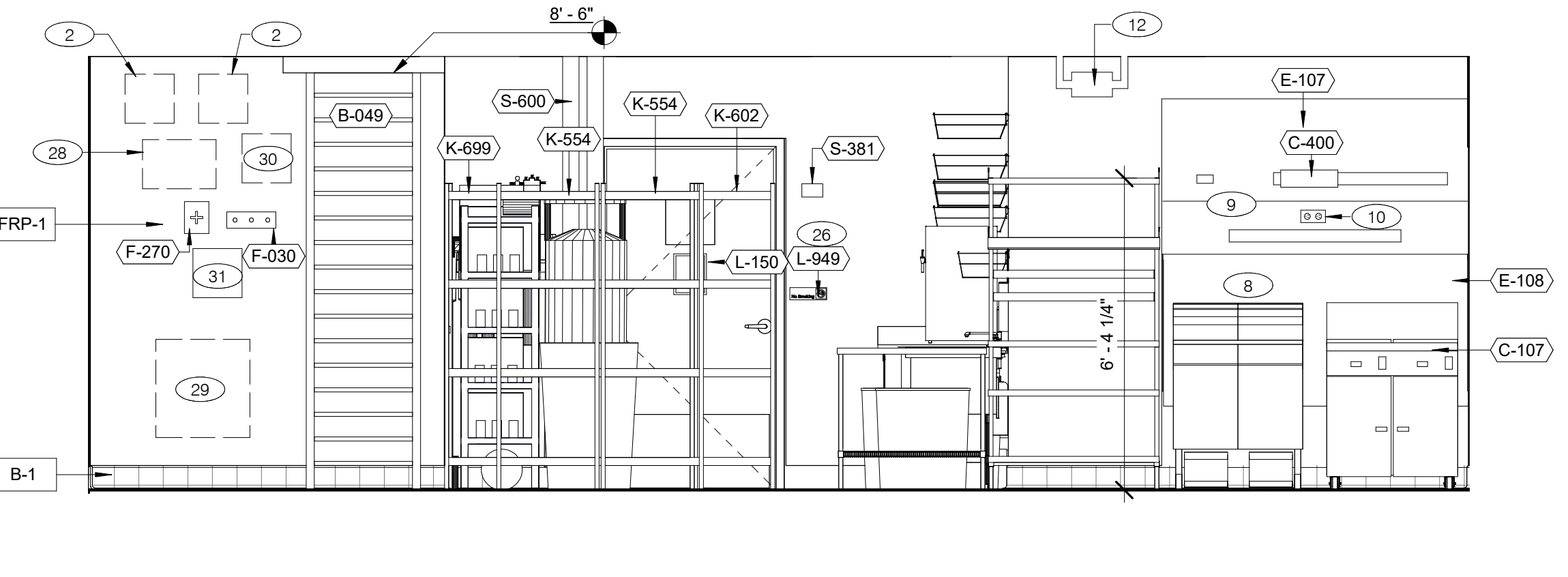
FOOD ASSEMBLY 01 3/8" = 1'-0" **1**



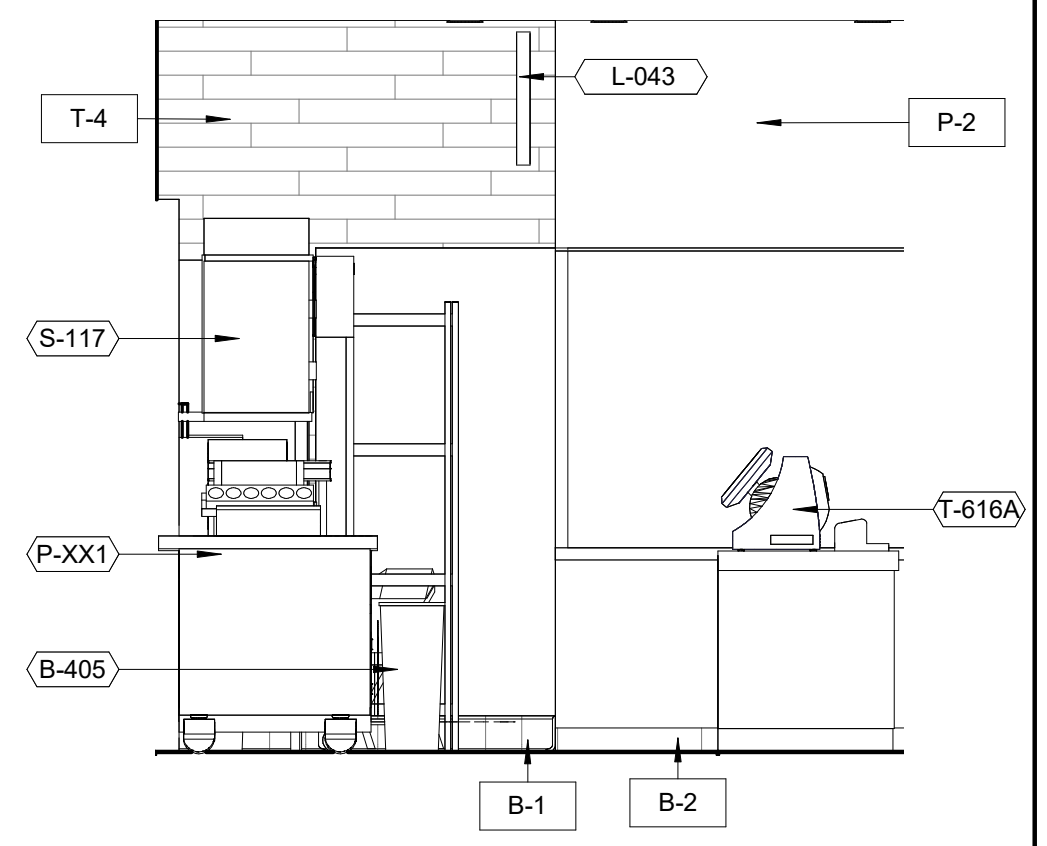
BOH 2 3/8" = 1'-0" **7**



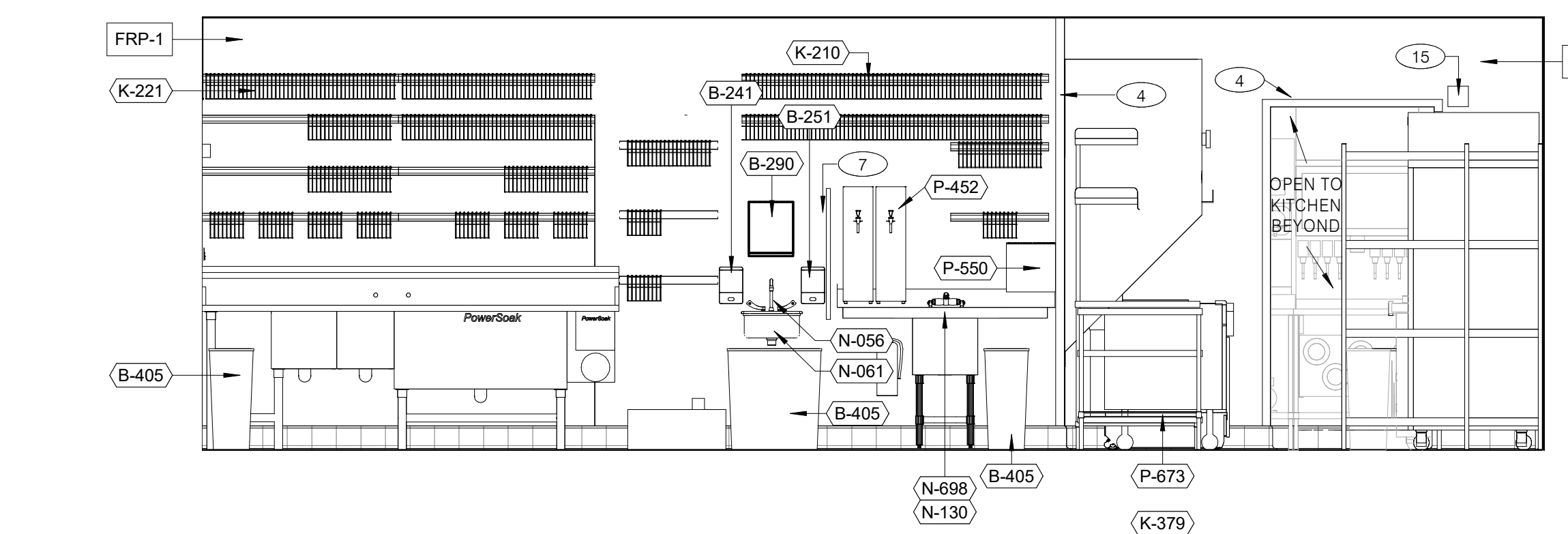
FOOD ASSEMBLY 02 3/8" = 1'-0" **2**



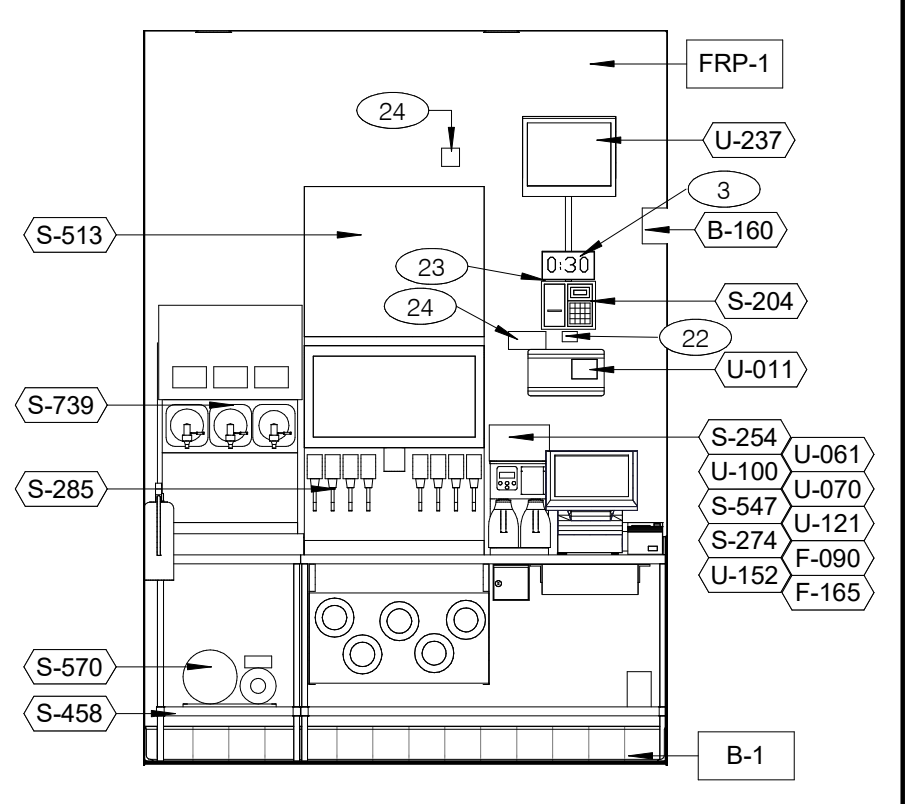
BOH 3 3/8" = 1'-0" **8**



FOOD ASSEMBLY 03 3/8" = 1'-0" **4**



BOH 4 3/8" = 1'-0" **9**



FOOD ASSEMBLY 04 3/8" = 1'-0" **5**

- | | |
|---|---|
| <ul style="list-style-type: none"> 1 BUNDLED PVC SYRUP LINES & ICE MACHINE REFRIGERANT LINES 2 FAN MOTOR STARTERS, SURFACE MOUNTED. (2) TYP. 3 DRIVE-THRU TIMER DISPLAY UNIT. 4 SS CORNER / END WALL CHANNEL GUARD, FULL HEIGHT. SEE DETAIL 13/A6.5. 5 REMOVABLE FRP PANEL AT DRINK STATION. 6 SS CORNER GUARDS AT PERIMETER OF D/T WINDOW. 7 SPLASHGUARD. SEE DETAIL 9/A6.5. 8 SS PANEL BEHIND HOOD. 9 ANSUL PULL STATION. 10 J-BOX AND OUTLET INCLUDED WITH HOOD. INSET WITH FLUSH WITH FACE OF HOOD. 11 SHELF BY G.C. FINISH WITH PLASTIC LAMINATE L-10 12 GAS SHUT-OFF VALVE. 13 NOT USED. 14 NOT USED 15 ALERT LIGHT BOX FOR POWER SOAK 16 COORDINATE WITH OWNER FOR EQUIPMENT FIT 17 VERTICAL ACT BORDER ABOVE WALK-IN/ BELOW CEILING. SEE DETAIL 9/A6.6. 18 NOT USED 19 S.S. EDGE BELOW STOREFRONT AND ABOVE COUNTER TOP. SEE DETAIL 19/A6.5. | <ul style="list-style-type: none"> 20 VERTICAL S.S. BORDERS AT GAP BETWEEN WALK-IN COOLER WALLS AND FRAMED WALLS. 21 FLY FAN. 22 DT TIMER SIGNAL PROCESSOR. 23 DT TIMER MONITOR AND CONTROL UNIT. 24 DT TIMER ETHERNET SWITCH. 25 ELECTRIC PANELS. 26 NO SMOKING SIGN 27 TECH-IN-A-BOX: REFER TO E3.1. G.C. TO PROVIDE BLOCKING WHERE REQUIRED. 28 WIRING CABINET BY POS PROVIDER 29 TELEPHONE TERMINAL BOARD 30 12"X12" PHONE DISTRIBUTION BOX: OWNER PROVIDED AND INSTALLED. 31 TBCCB LIGHTING CONTROL BOX, SEE ELECTRICAL. |
|---|---|

BOH/FOOD ASSEMBLY KEYNOTES **3**

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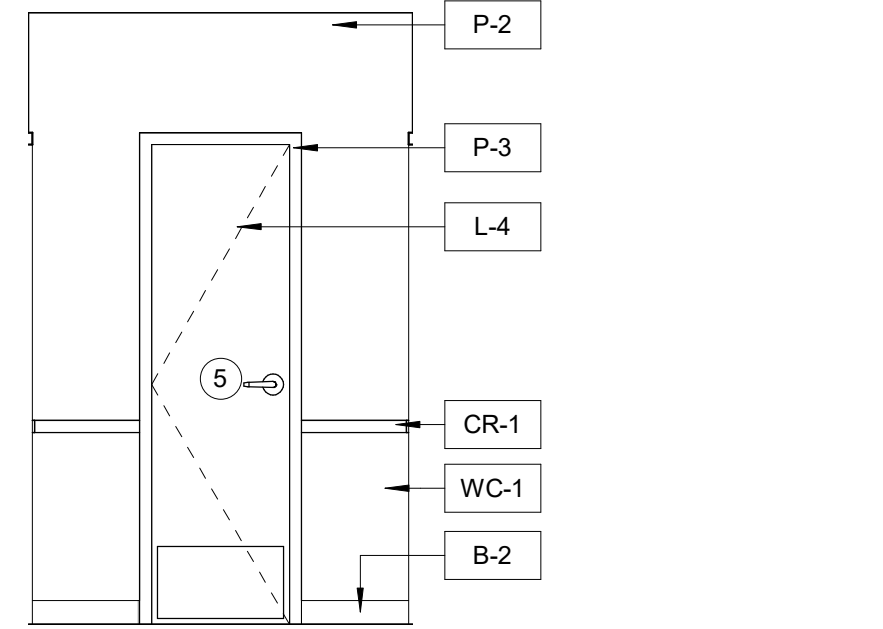
CONTRACT DATE:
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REVISION DATE:
SITE NUMBER: 313076
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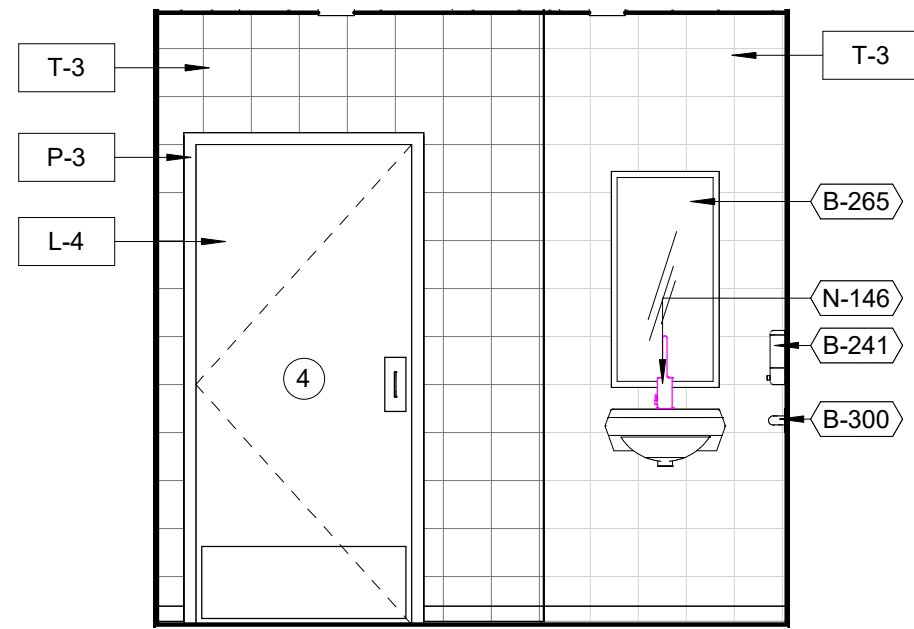


INTERIOR ELEVATIONS - KITCHEN & BOH

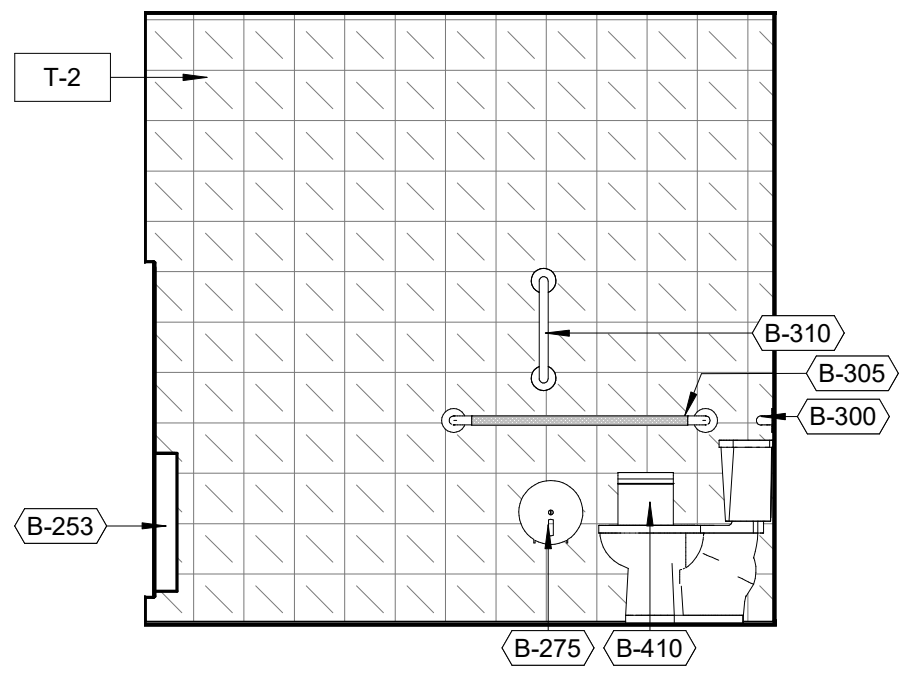
A8.2



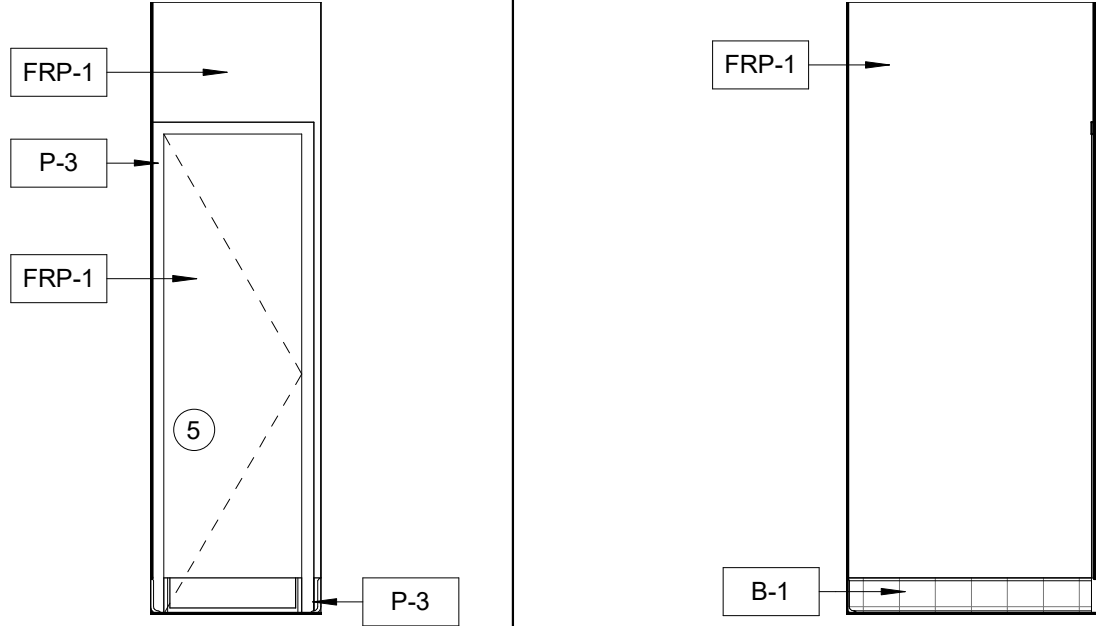
ALCOVE 3/8" = 1'-0" **9**



MEN'S RESTROOM 3/8" = 1'-0" **5**

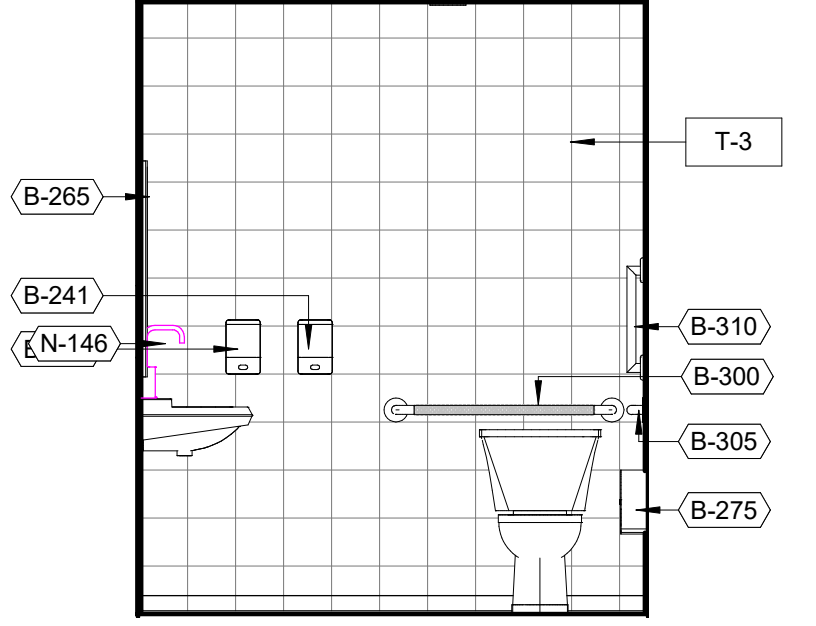


WOMEN'S RESTROOM 3/8" = 1'-0" **1**

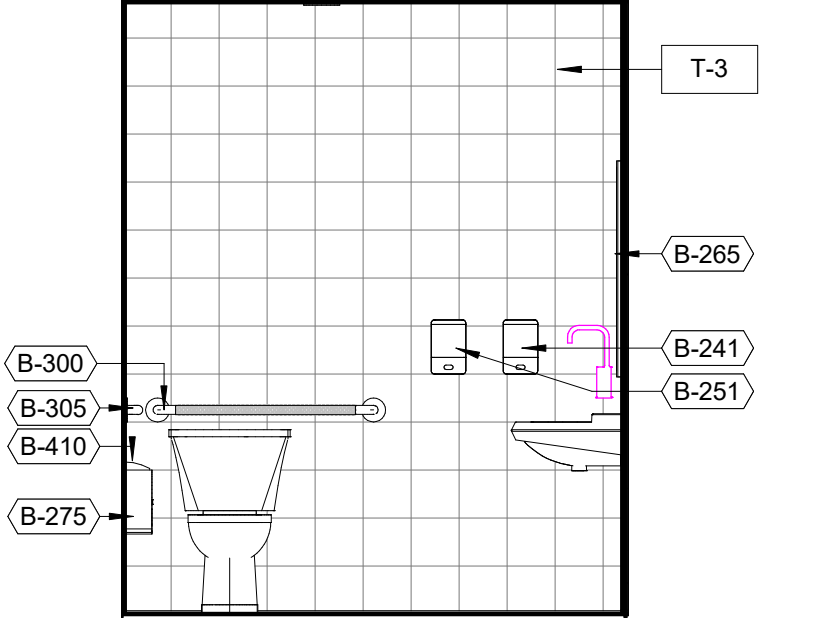


STORAGE 3/8" = 1'-0" **11**

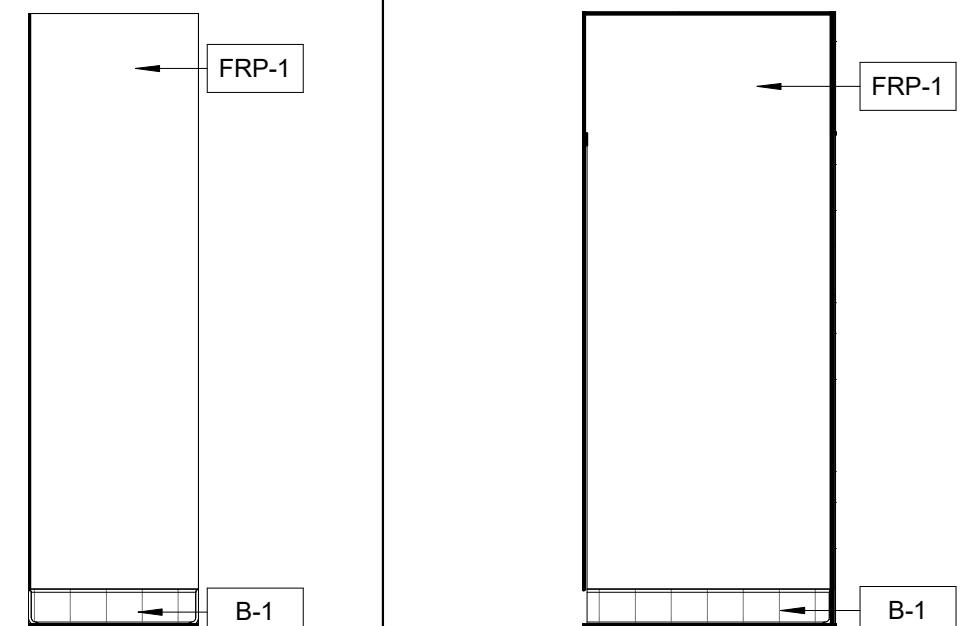
STORAGE 3/8" = 1'-0" **10**



MEN'S RESTROOM 3/8" = 1'-0" **6**

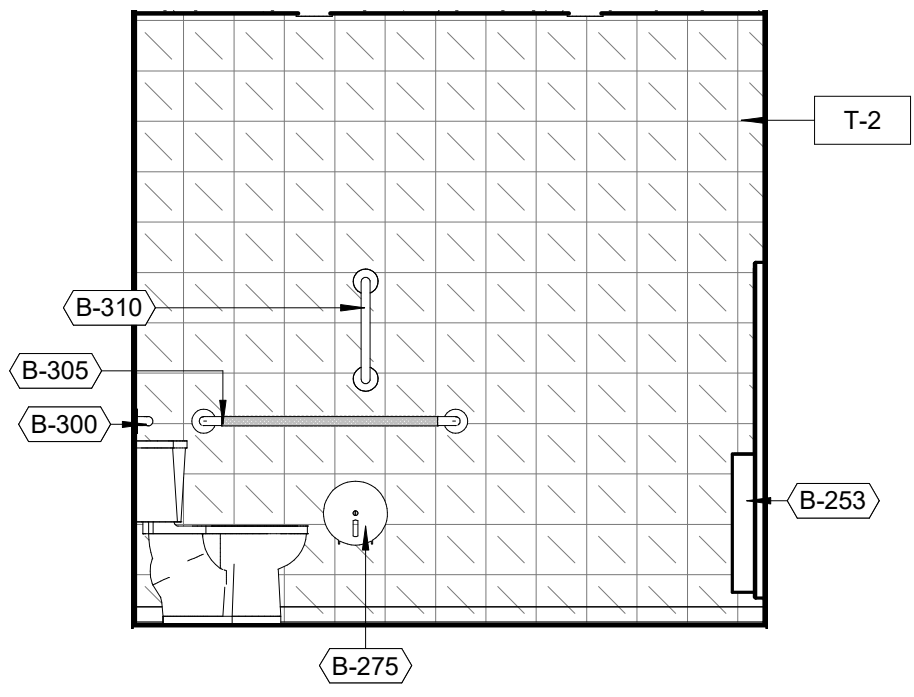


WOMEN'S RESTROOM 3/8" = 1'-0" **2**

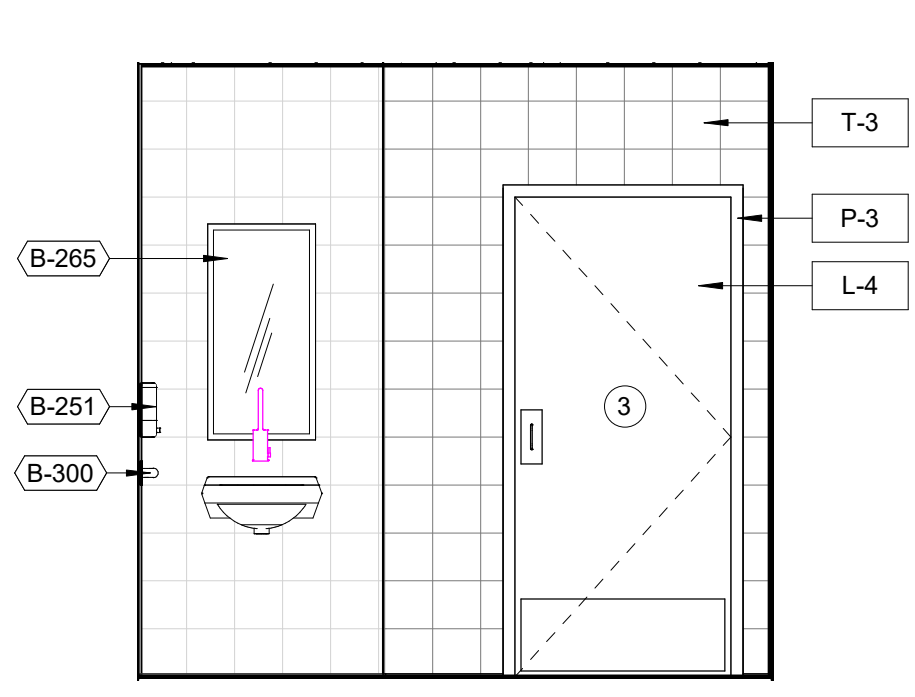


STORAGE 3/8" = 1'-0" **13**

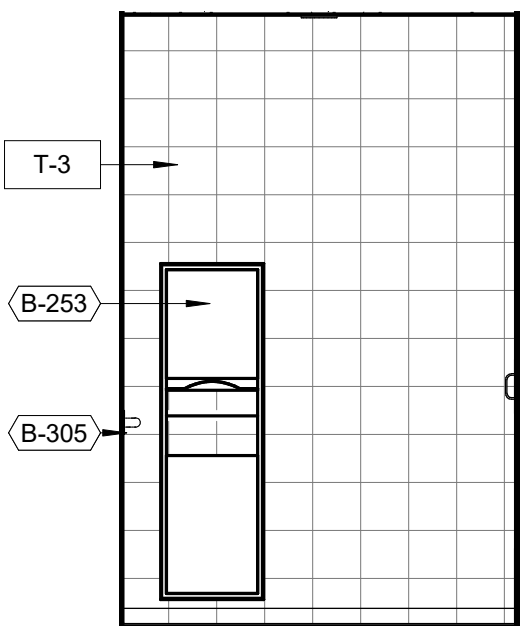
STORAGE 3/8" = 1'-0" **12**



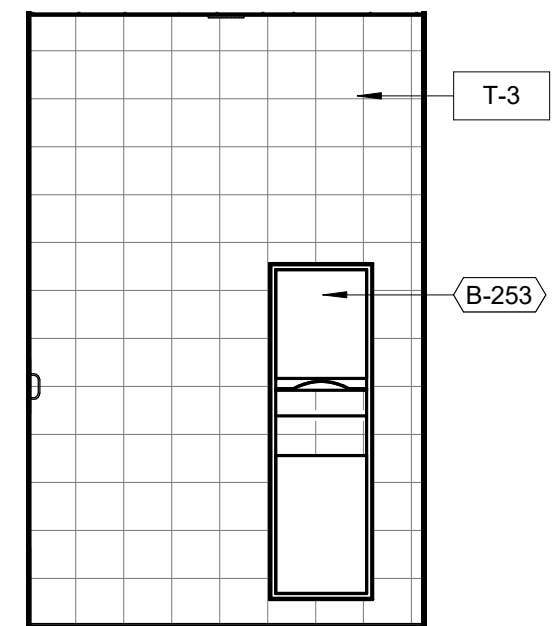
MEN'S RESTROOM 3/8" = 1'-0" **7**



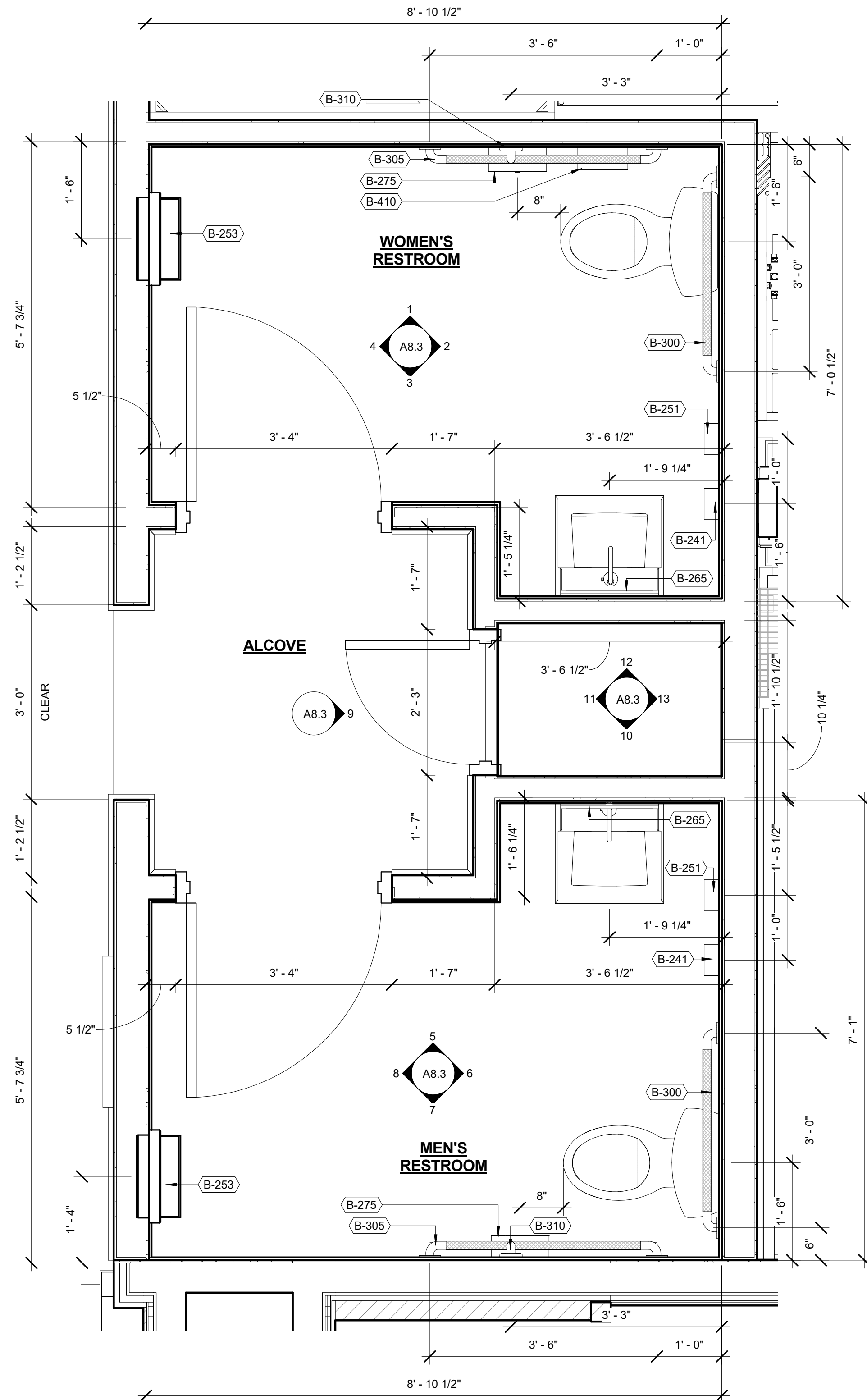
WOMEN'S RESTROOM 3/8" = 1'-0" **3**



MEN'S RESTROOM 3/8" = 1'-0" **8**



WOMEN'S RESTROOM 3/8" = 1'-0" **4**



ENLARGED RESTROOM PLAN 3/4" = 1'-0" **A**

1. PROVIDE PROPER 2x BLOCKING AT WALL RECESSED MOUNTED ACCESSORIES.
2. GRAB BARS, FASTENERS AND MOUNTING DEVICES SHALL BE INSTALLED PER ADA REQUIREMENTS. REFER TO SHEET ADA1.0.
3. REFER TO FLOOR PLAN NOTES FOR BLOCKING AND SUBSTRATE NOTES.
4. REFER TO SHEET ADA1.0 FOR MOUNTING HEIGHTS AND CLEARANCES OF ACCESSORIES AND FIXTURES.
5. ALL DIMENSIONS THIS DRAWING ARE TO FINISH SURFACE.
6. PROVIDE 1/4" MAX GAP AT ALL TOILET PARTITION JOINTS.

RESTROOM NOTES N.T.S. **B**

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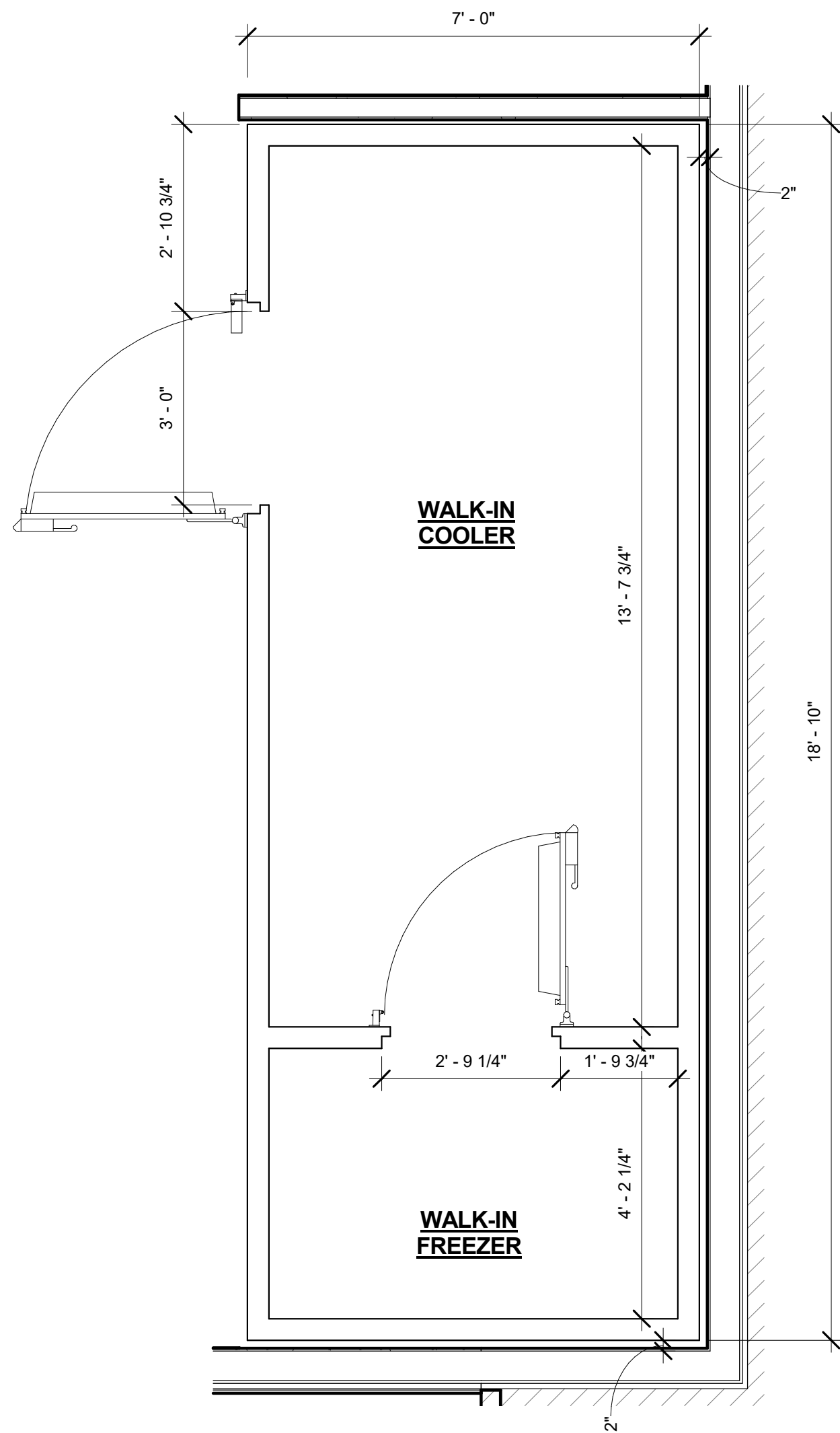
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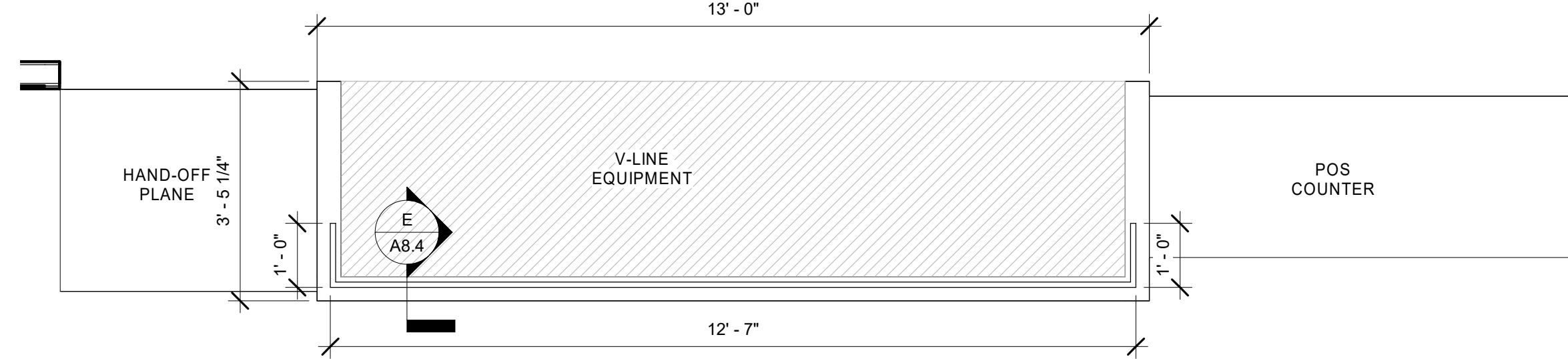

T40

RESTROOMS - ENLARGED PLAN & ELEVATIONS

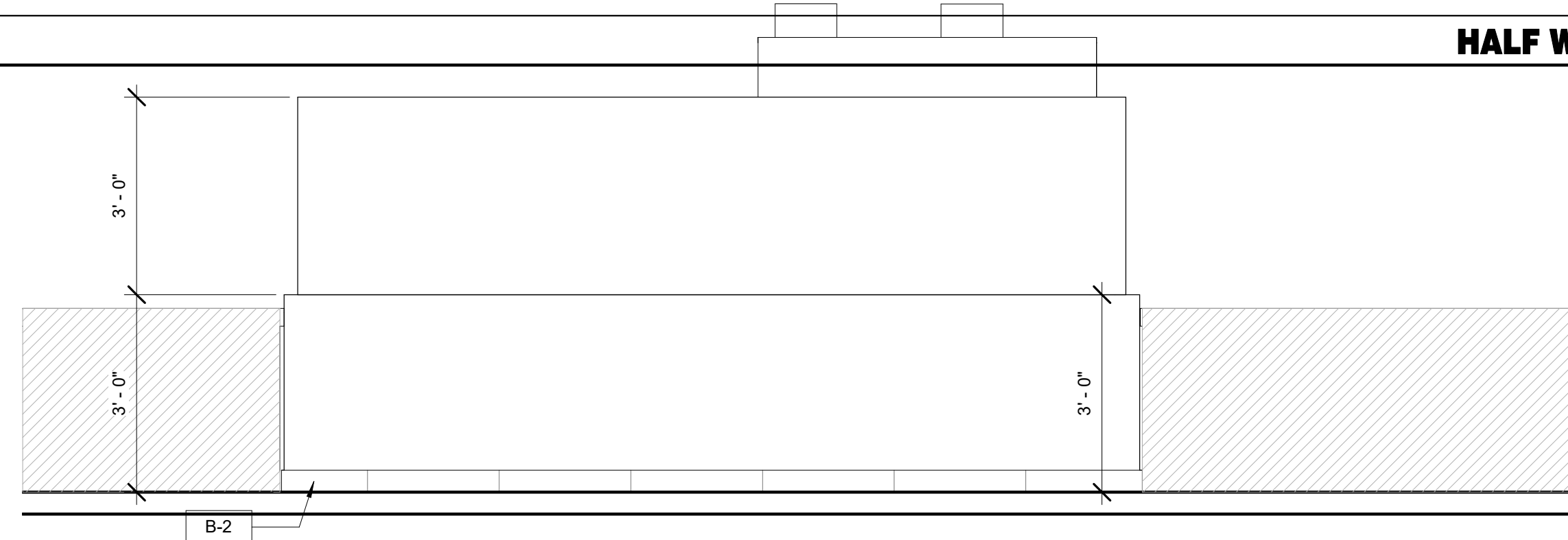
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PLOT DATE: 8/21/2019 2:30:44 PM



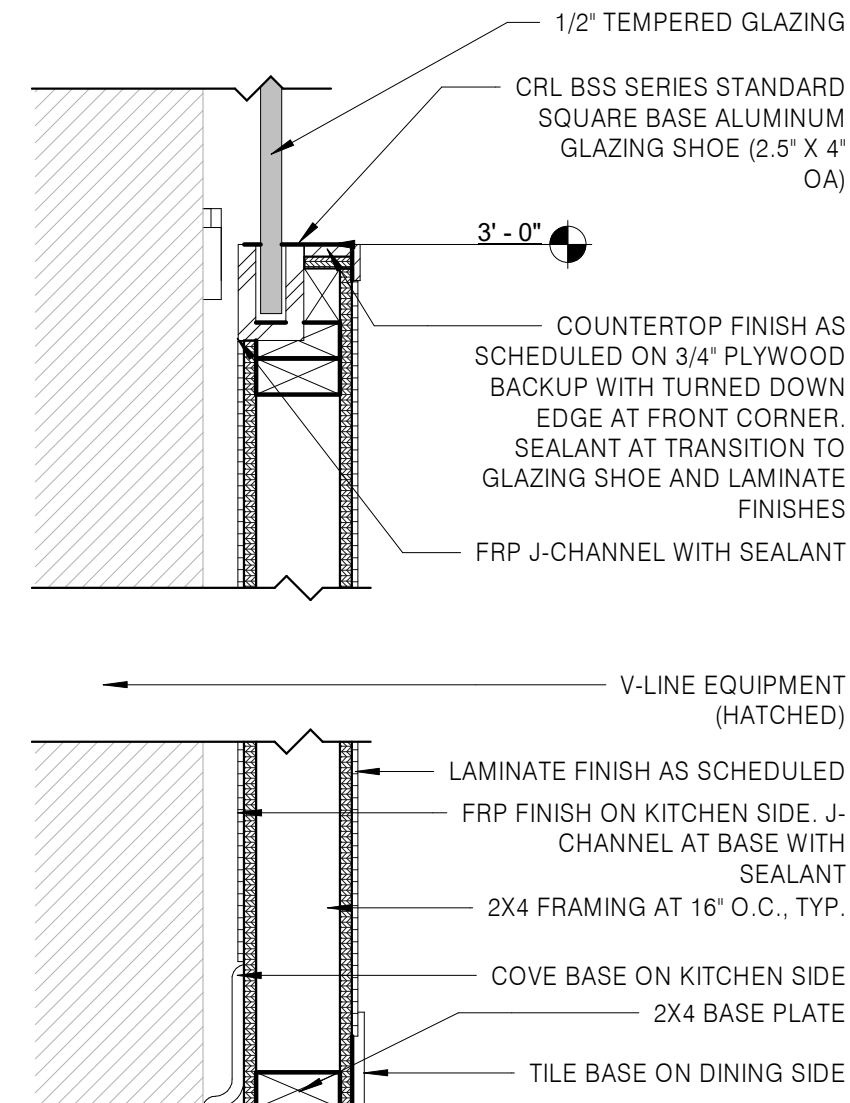
ENLARGED PLAN - WALK-IN COOLER/ FREEZER 1/2" = 1'-0" **G**



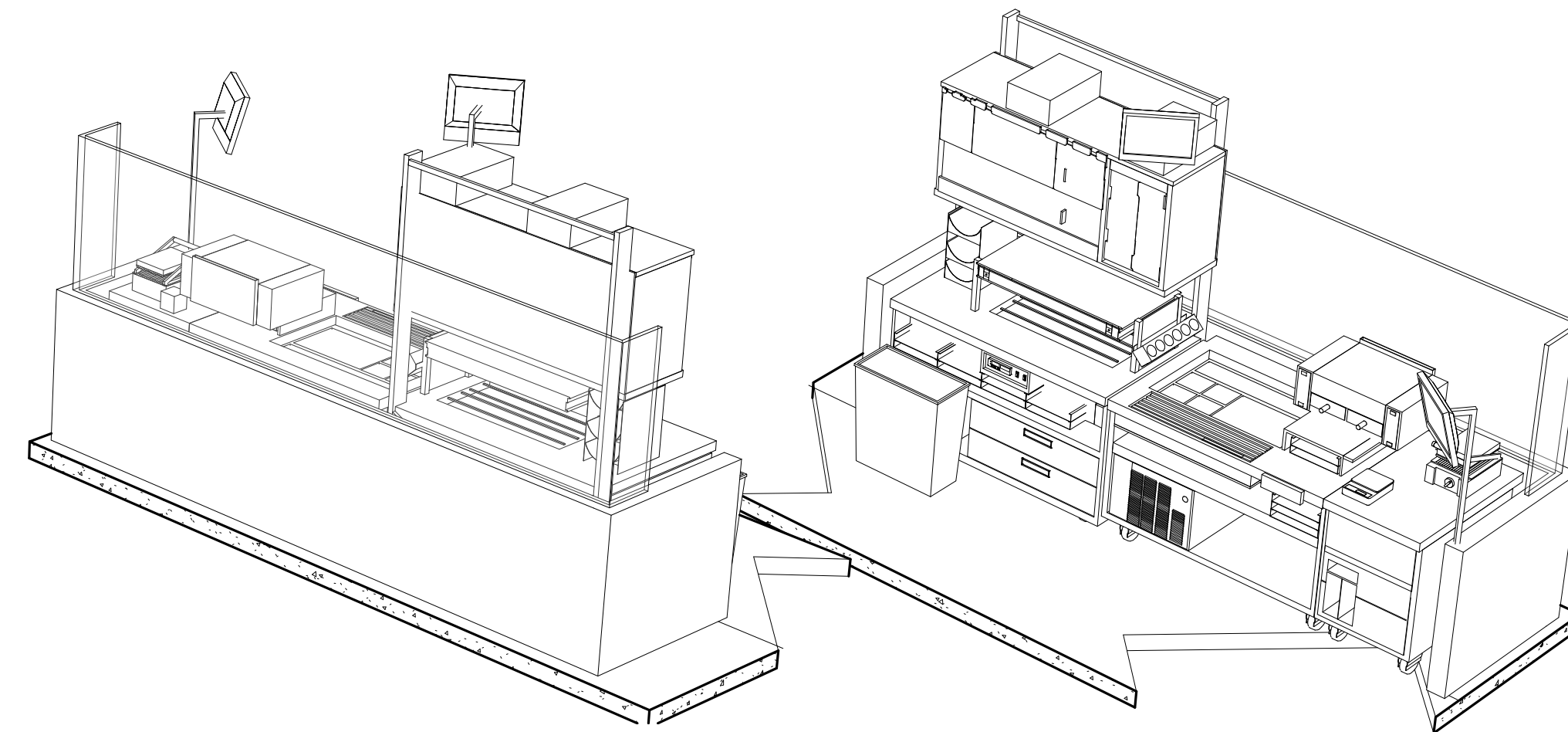
HALF WALL ENLARGED PLAN 1/2" = 1'-0" **A**



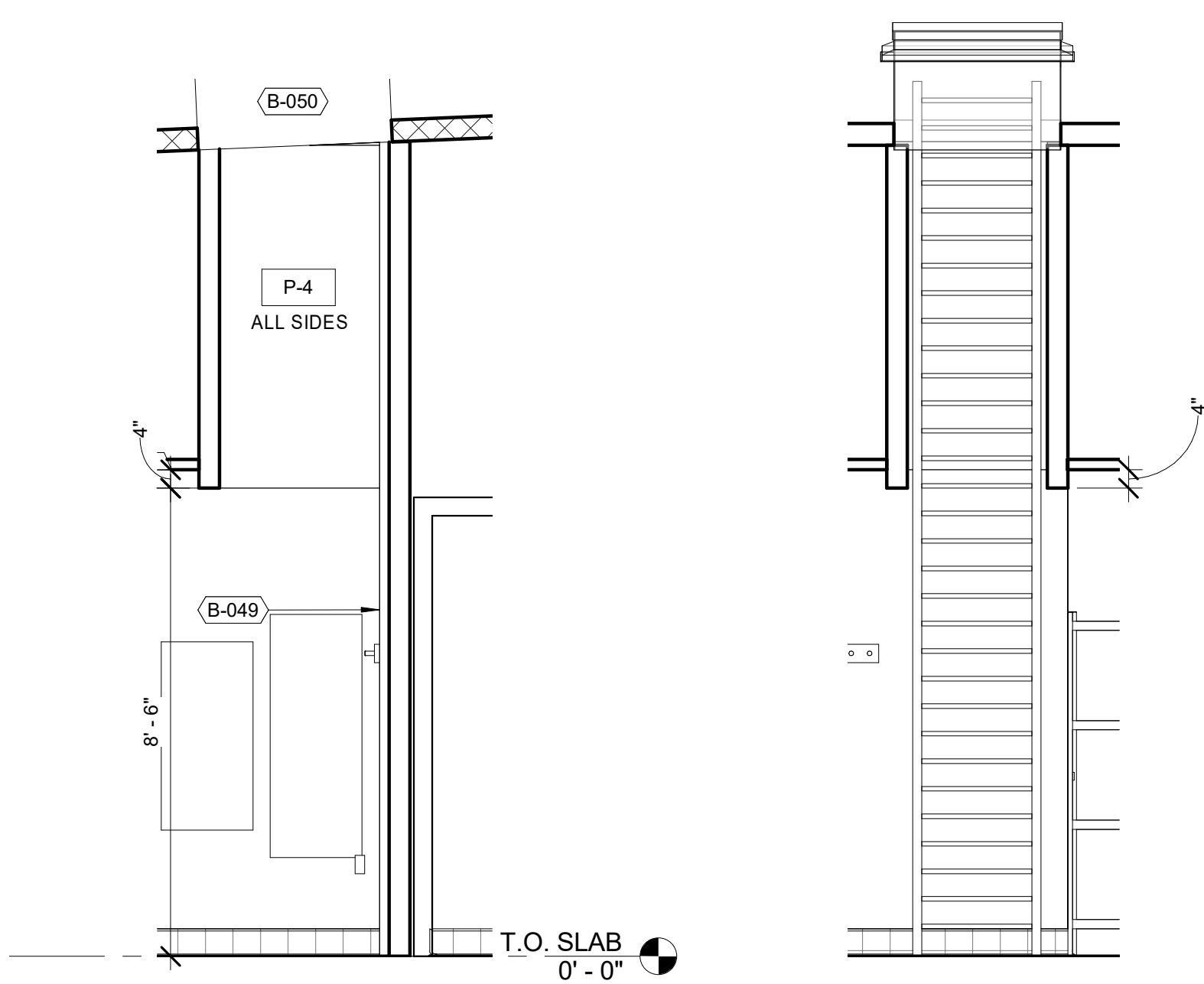
HALF WALL ELEVATION 1/2" = 1'-0" **B**



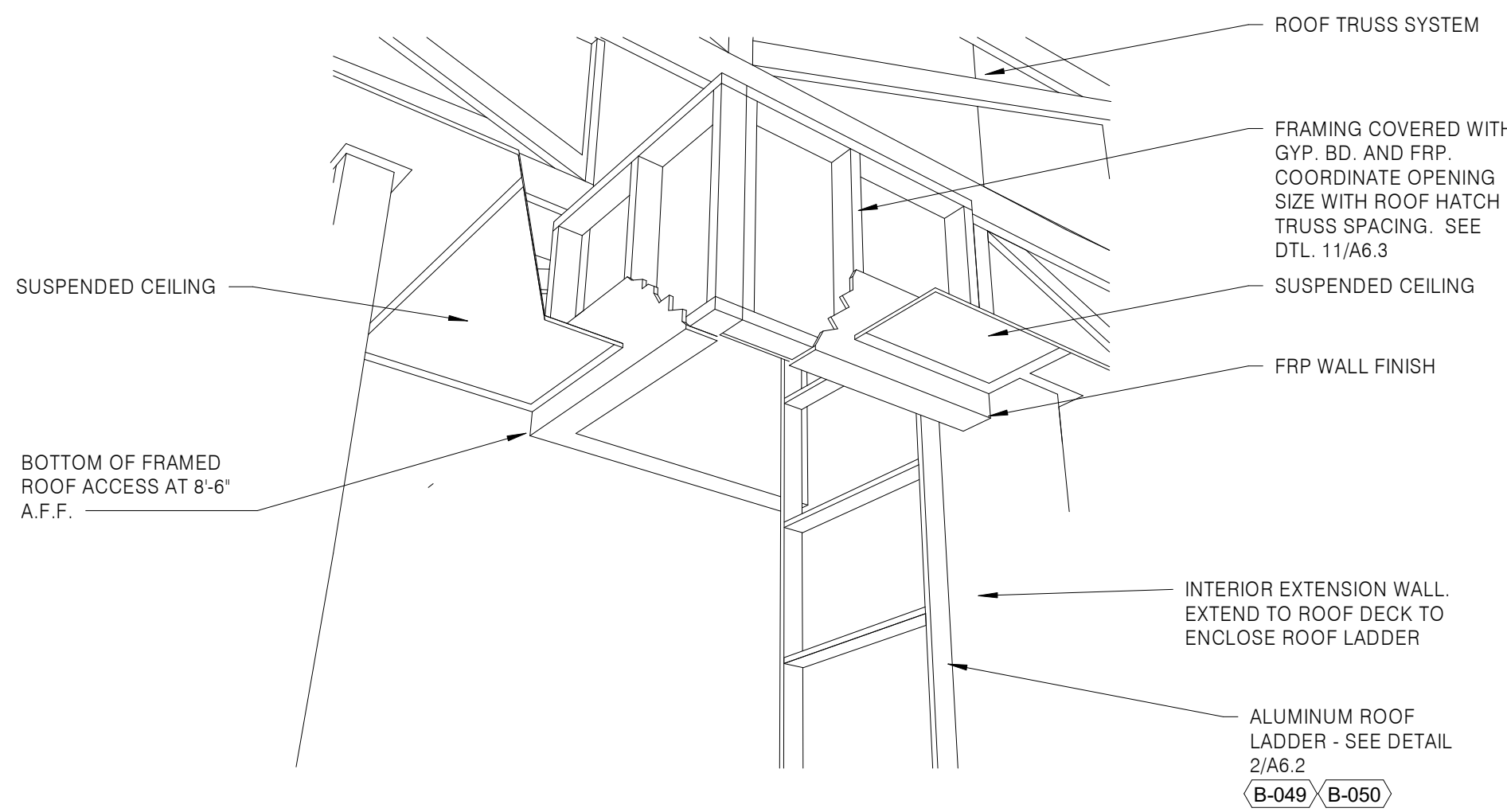
SECTION THROUGH HALF WALL 1 1/2" = 1'-0" **E**



V-LINE **C**

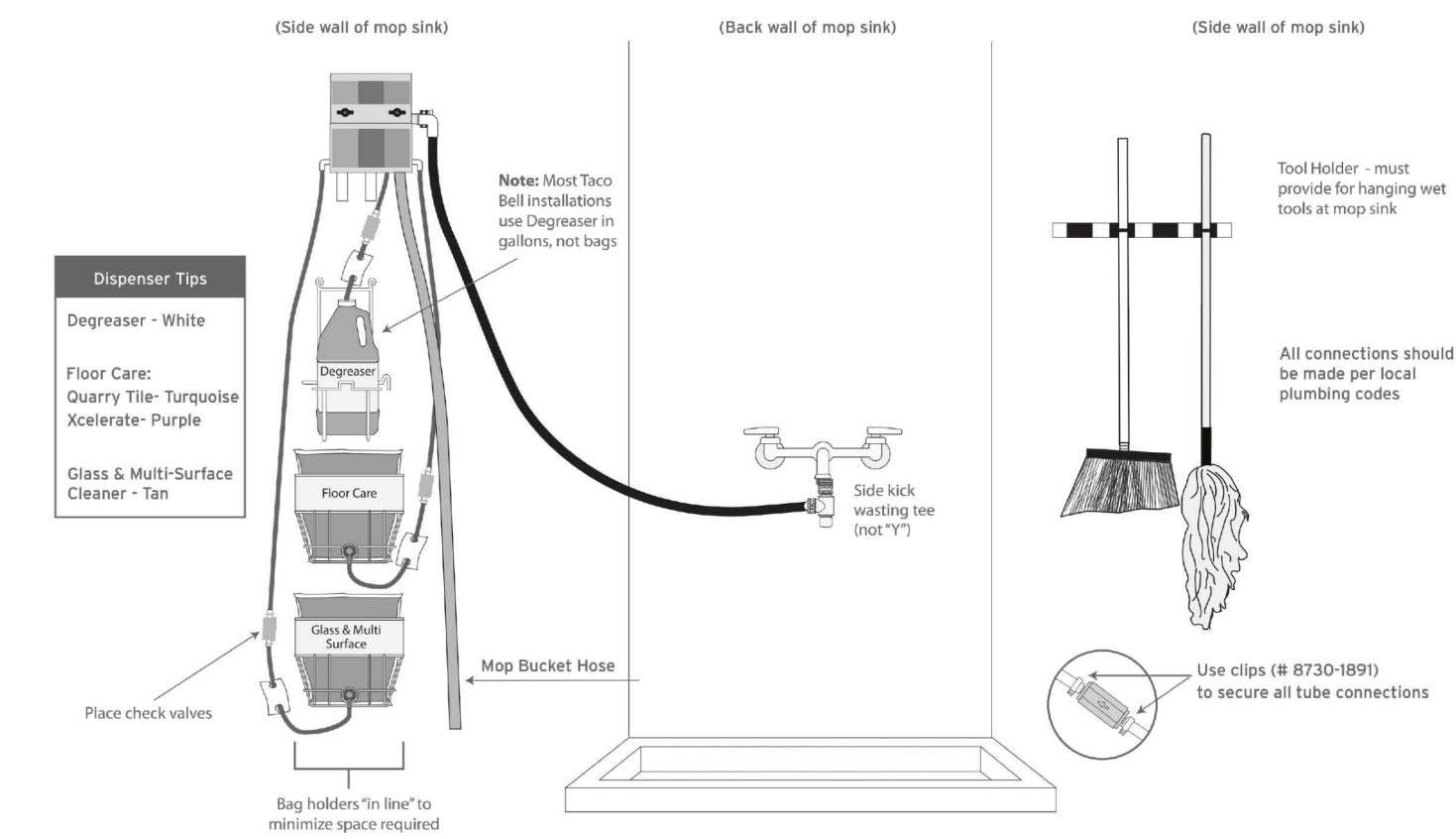


ROOF LADDER VIEW 3/8" = 1'-0" **H**



ROOF ACCESS PASSAGEWAY **F**

Taco Bell Mop Sink Installation



INSTALL IN ACCORDANCE WITH STATE AND LOCAL PLUMBING CODES.
In states or municipalities requiring dedicated or hard-plumbed water lines, the dispensing unit at the 3-compartment sink must be connected to a "TEMPERED" water source. This may require the installation of a mixing/tempering valve.

ECOLAB Key Chemical Company
8300 Capital Drive
Greensboro, NC 27409-9790, USA **800.529.5458**

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MOP SINK INSTALLATION 1 1/2" = 1'-0" **D**

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REVISION DATE:
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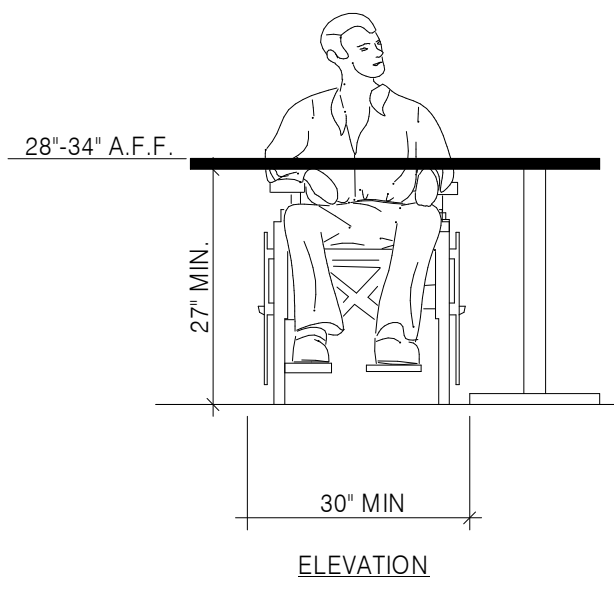
T40

**KITCHEN
DETAILS**

A8.4

TOTAL SEATS	ACCESSIBLE SEATS
1 - 20	1
21-40	2
41-60	3
61-80	4
81-100	5
101-120	6
121-140	7

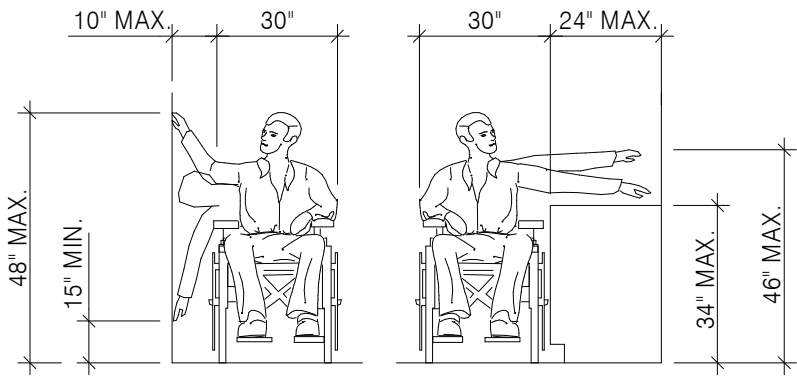
NUMBER OF ACCESSIBLE SEATS



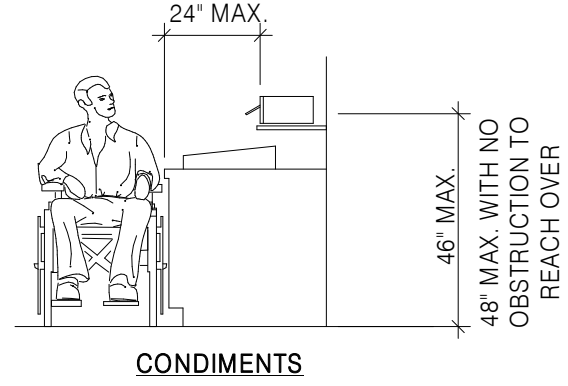
SEATING AND TABLES

N.T.S.

18



EXAMPLE: DRINK MACHINE, ETC.

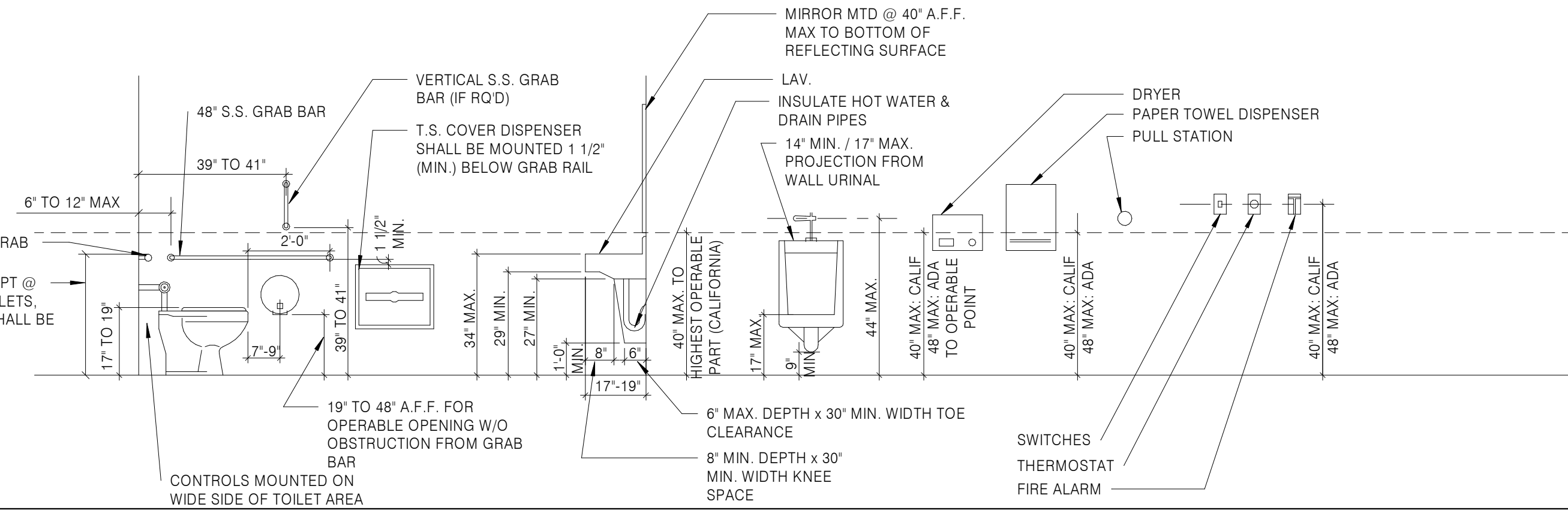


REACH RANGES

N.T.S.

14

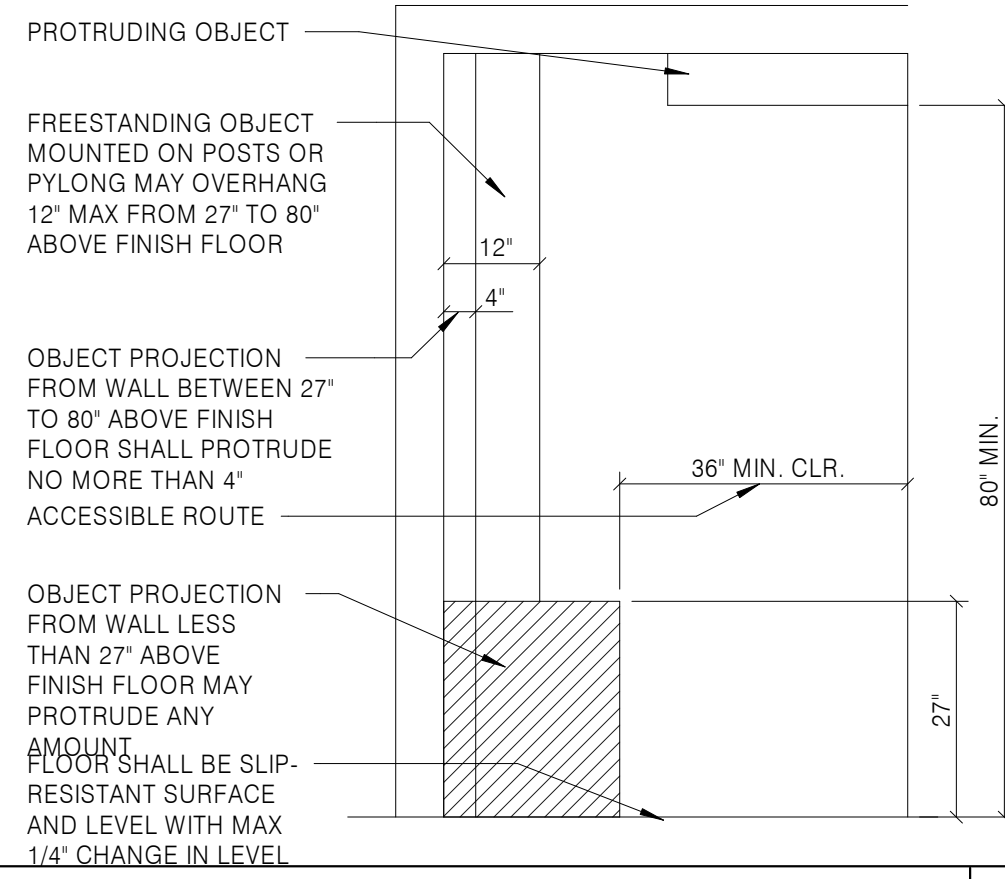
- NOTES:
- TOP OF GRIPPING SURFACE 33" TO 36" MAX TO THE TOP OF THE BAR. SEE NOTES BELOW. 12" MINIMUM CLEAR ABOVE GRAB BAR.
 - CONTROL MOUNTING ON WIDE SIDE OF TOILET AREA.



MOUNTING HTS. & CLEARANCE FOR ACCESSIBILITY BY THE DISABLED

N.T.S.

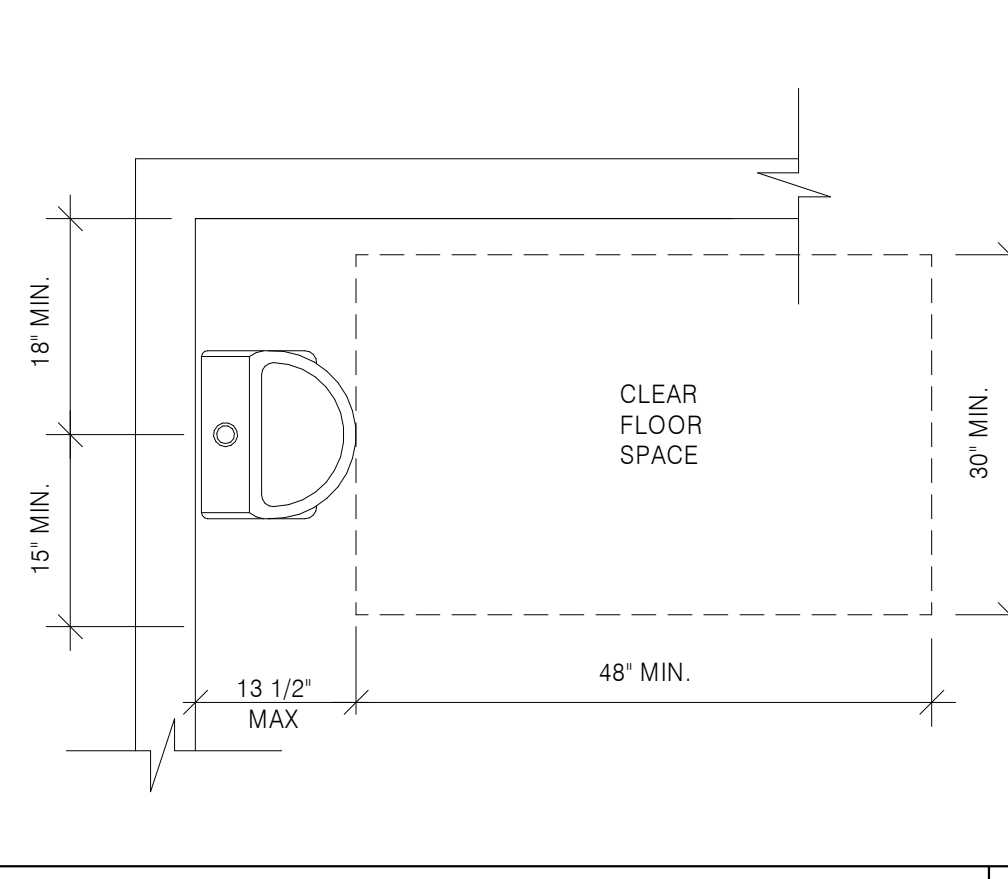
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INT. ACCESS. ROUTE CLEARANCES

1/2" = 1'-0"

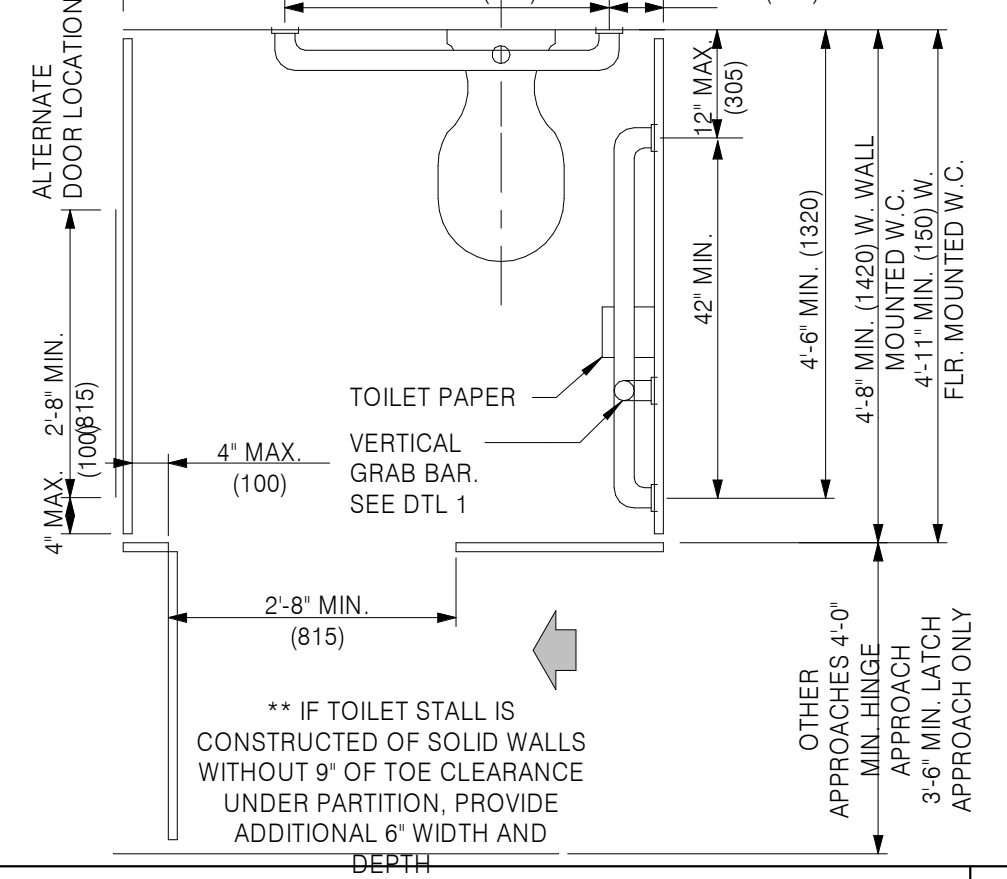
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ACCESSIBLE URINAL

3/4" = 1'-0"

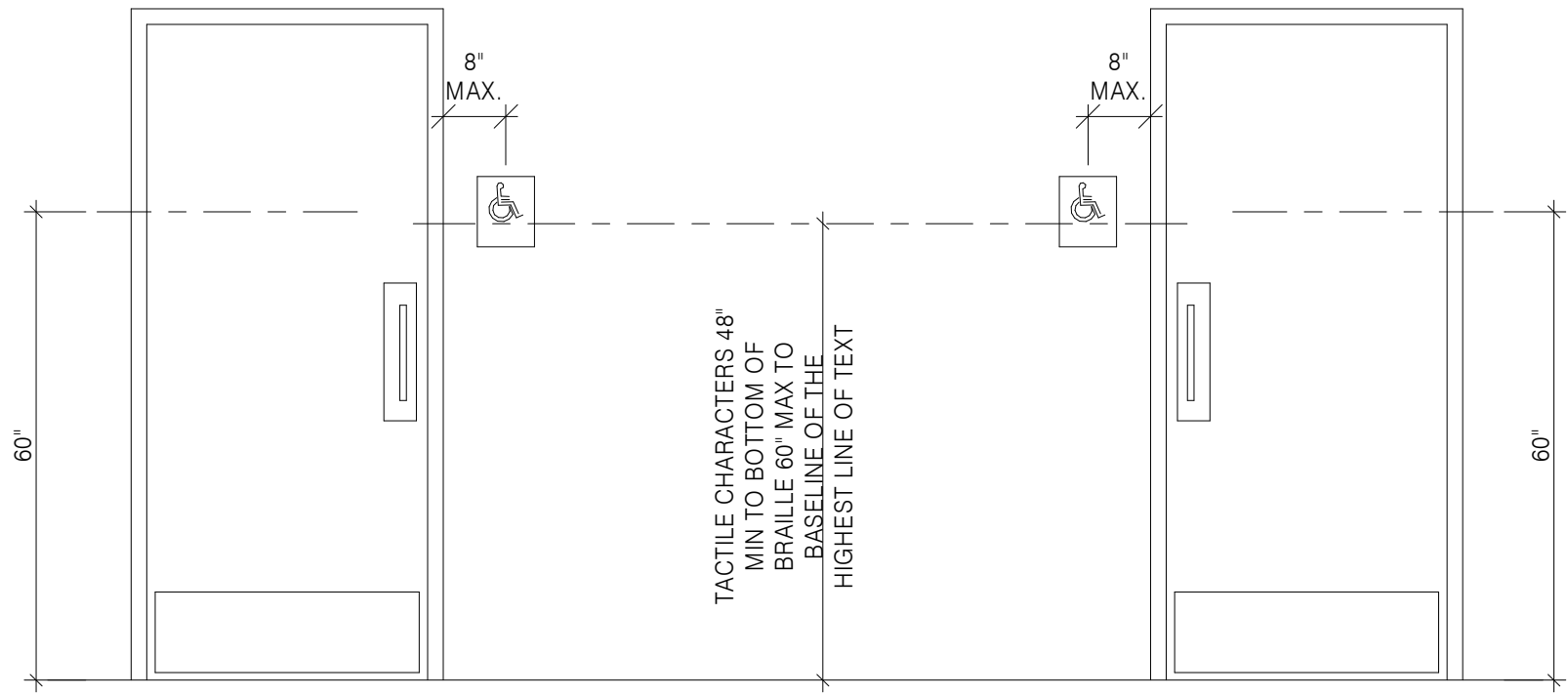
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STANDARD TOILET STALL

N.T.S.

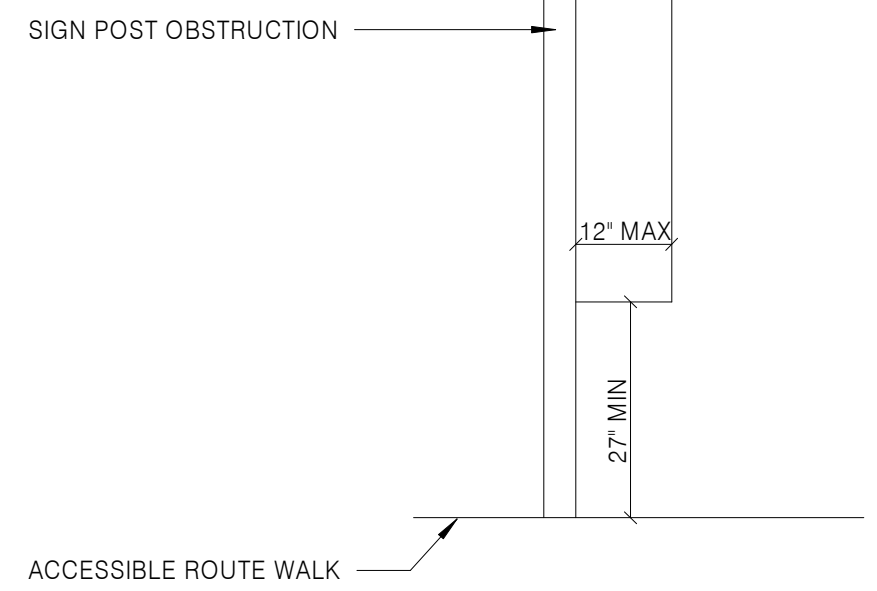
2



ACCESSIBLE RESTROOM DOORS

N.T.S.

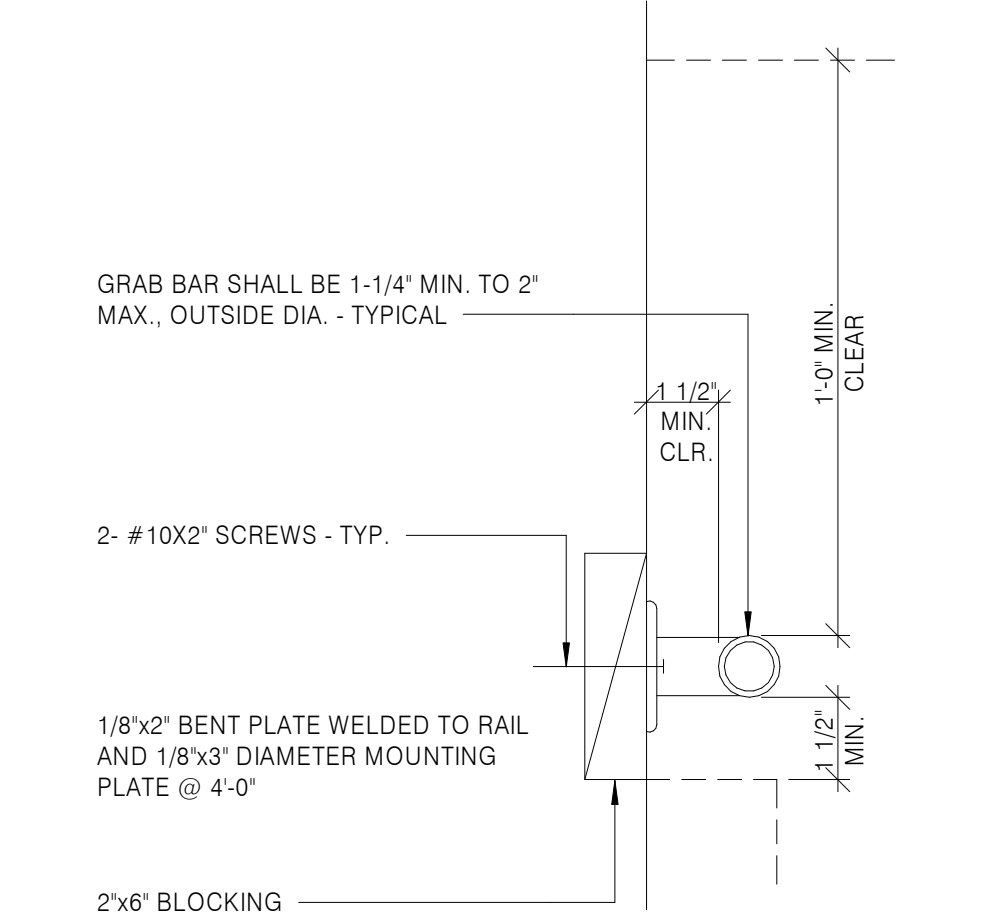
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PROTRUDING HAZARDS

1/2" = 1'-0"

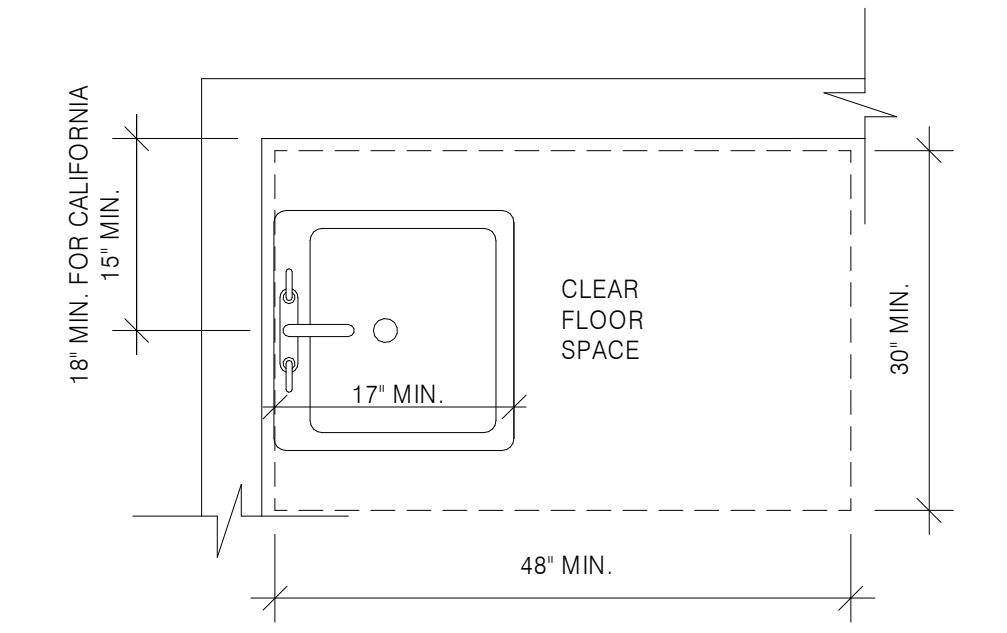
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GRAB BAR

3' = 1'-0"

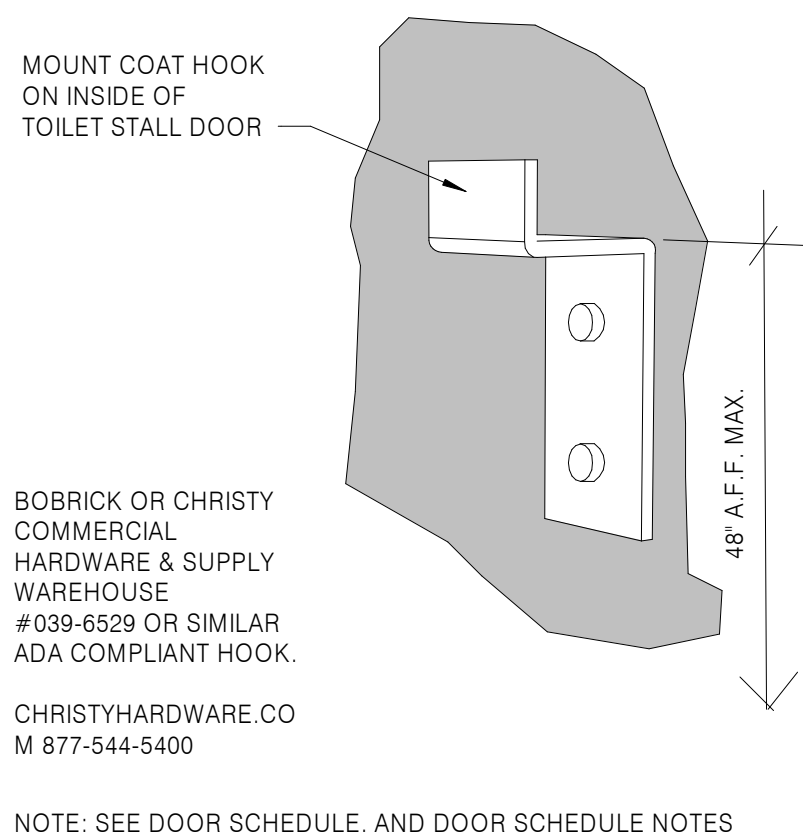
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ACCESSIBLE LAVATORY

3/4" = 1'-0"

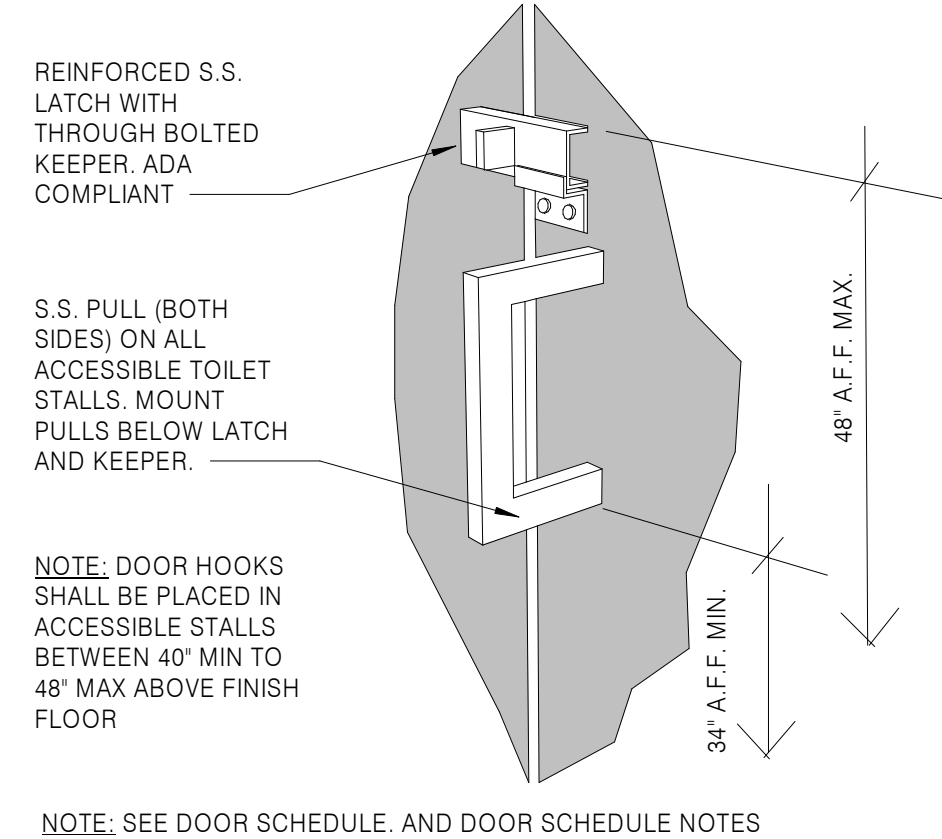
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COAT HOOK

N.T.S.

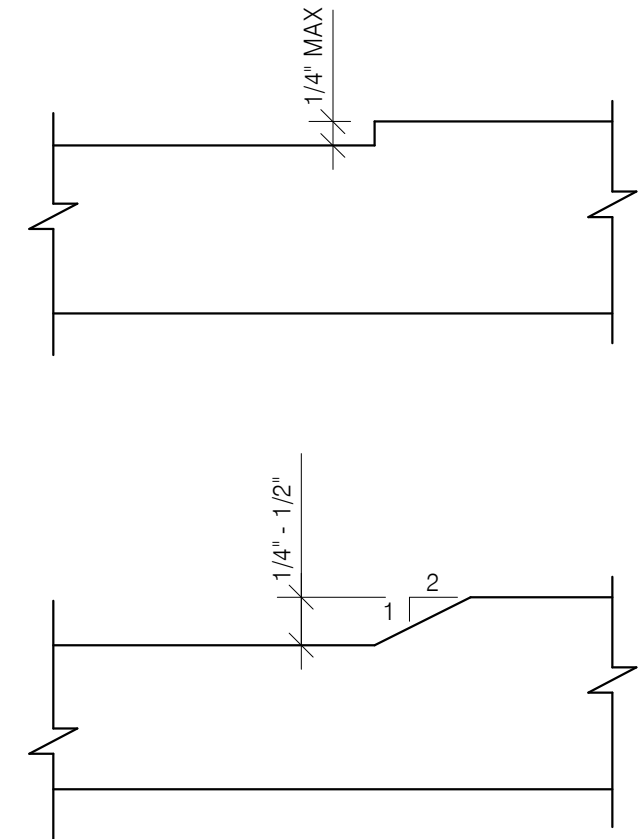
20



PARTITION DOOR LATCH @ PULL

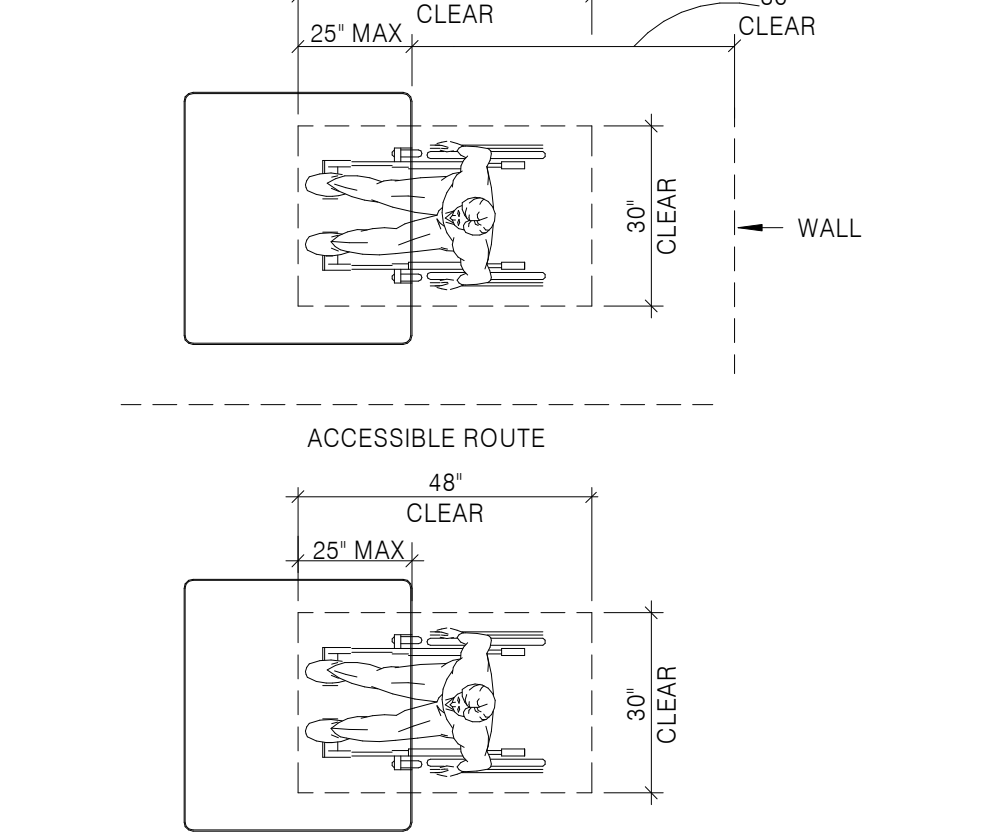
N.T.S.

16



CHANGES IN LEVEL

12



DINING ROOM SEATING CLEARANCES

8

- INDICATED DIMENSIONS, HEIGHTS, DEPTHS, AREAS AND OTHER GRAPHIC INFORMATION ARE PROVIDED AS MINIMUMS THAT MUST BE MAINTAINED. THESE MINIMUMS ARE BASED UPON YUM STANDARDS AND MAY EXCEED ADA REQUIREMENTS.
- THE DETAILS SHOWN ARE CONCEPTUAL ONLY AND INTENDED TO SHOW ABSOLUTE MINIMUMS AND SHALL BE COORDINATED WITH THE OTHER CONSTRUCTION DOCUMENTS ASSOCIATED WITH THIS PROJECT.
- 60" TURNING SPACE
- PERMITTED OVERLAP LIMITED TO 1 ARM OF T-SHAPED SPACE
- CAN OVERLAP FIXTURE & DOOR CLEARANCE
- DOOR CAN SWING INTO TURNING SPACE A MAXIMUM OF 12"
- RESTROOM, IN GENERAL, DOOR SWING MUST BE OUTSIDE OF THE FIXTURE CLEAR FLOOR SPACE HOWEVER A DOOR CAN SWING INTO FIXTURE CLEAR FLOOR SPACE IF WHEELCHAIR SPACE 30"x48" IS PROVIDED BEYOND THE DOOR SWING.
- TOILET ROOM MUST ALLOW FOR SIDE TRANSFER - 42" BETWEEN FIXTURES
- ALL BARRIER FREE SIGNS SHALL BE WHITE ON A BLUE BACKGROUND.

GENERAL NOTES

4

DATE	ISSUED FOR
08.21.19	Issued for Construction

CONTRACT DATE:
BUILDING GROUP: T40M-O
FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

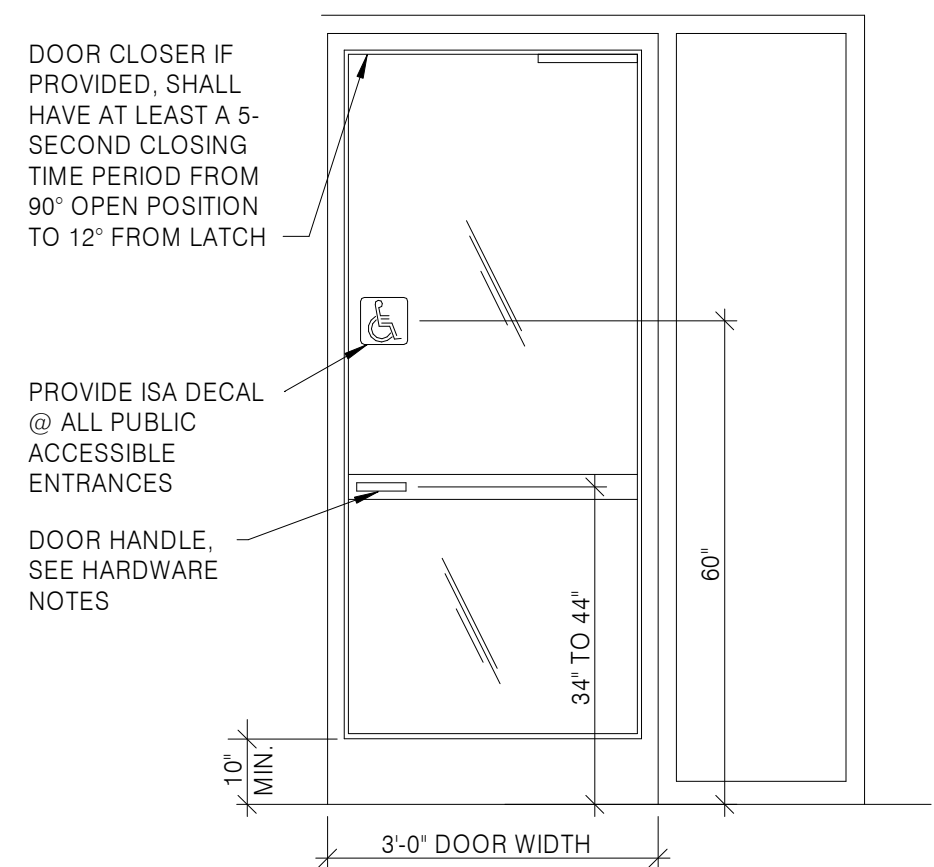
TACO BELL
7931 LAPEER RD
DAVISON, MI 48423



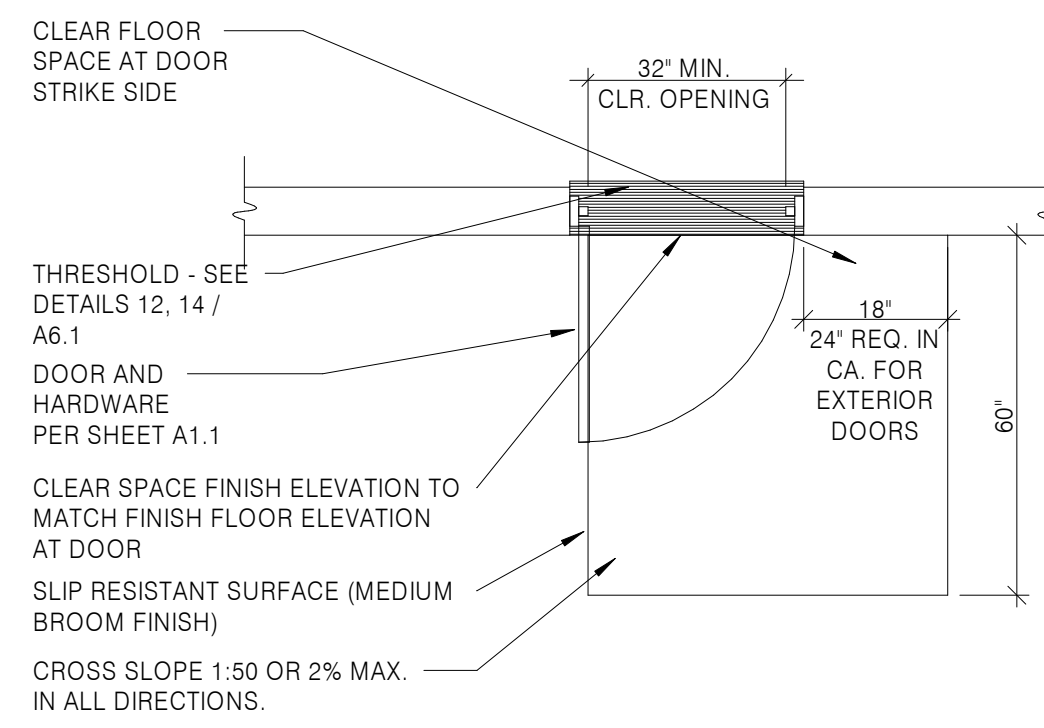
ACCESSIBILITY REQUIREMENTS

ADA 1.0

PLOT DATE: 8/21/2019 2:30:54 PM

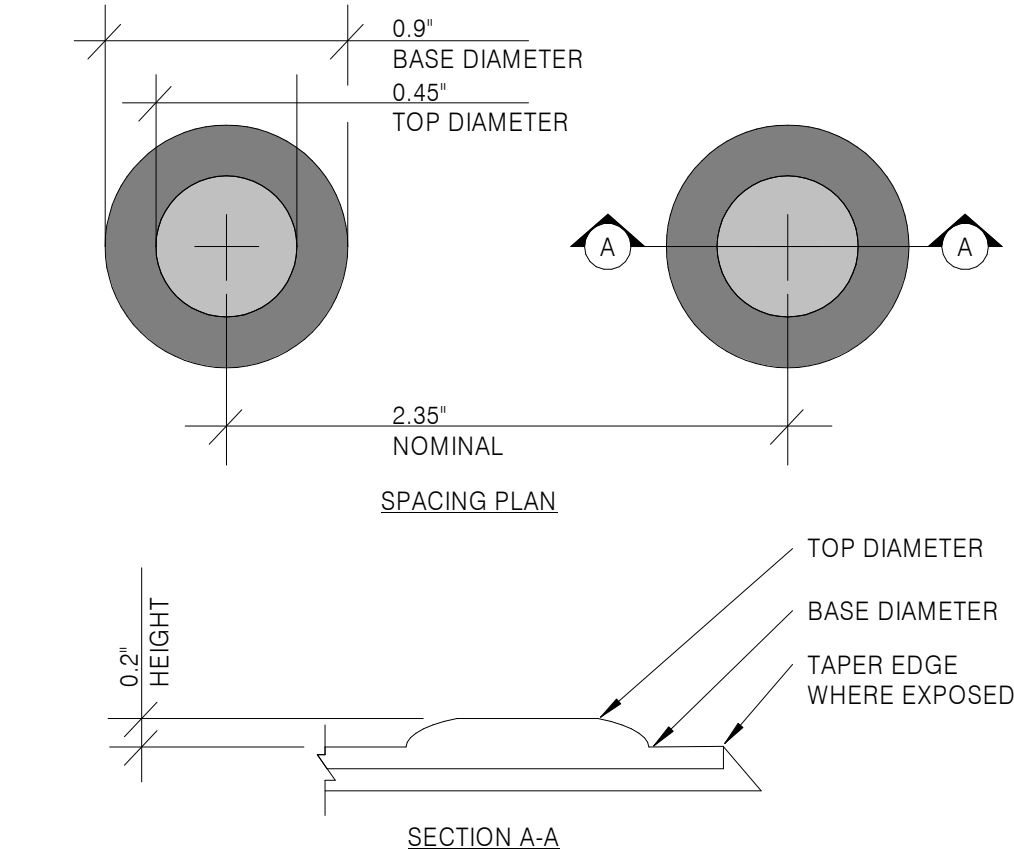


TYP. ENTRANCE / EXIT DOOR 12" = 1'-0" **9**

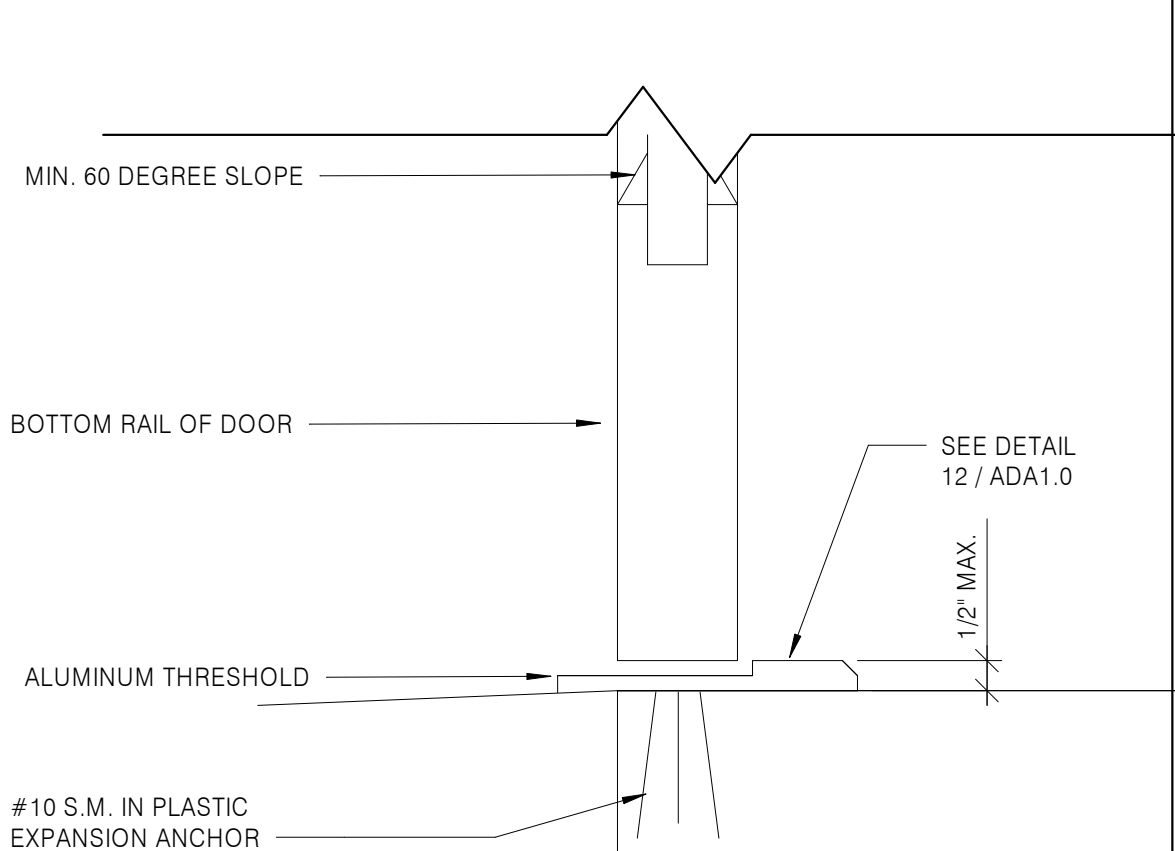


EXTERIOR DOOR REQUIREMENT 12" = 1'-0" **6**

NOTE:
 1. INTERIOR DOOR PRESSURE CANNOT EXCEED 5 LBS.
 2. 60% OF PUBLIC ENTRANCES MUST BE ACCESSIBLE. (100% IN CA)



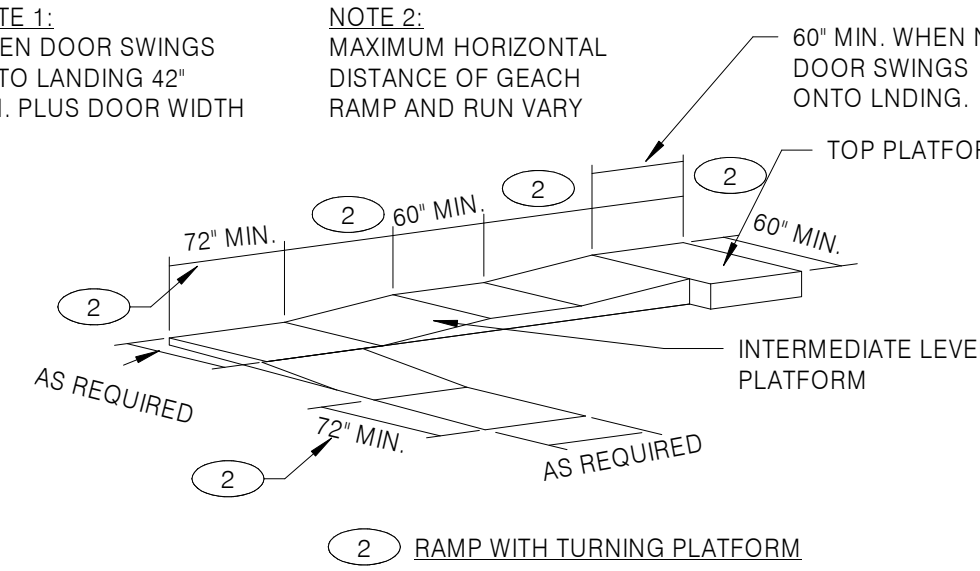
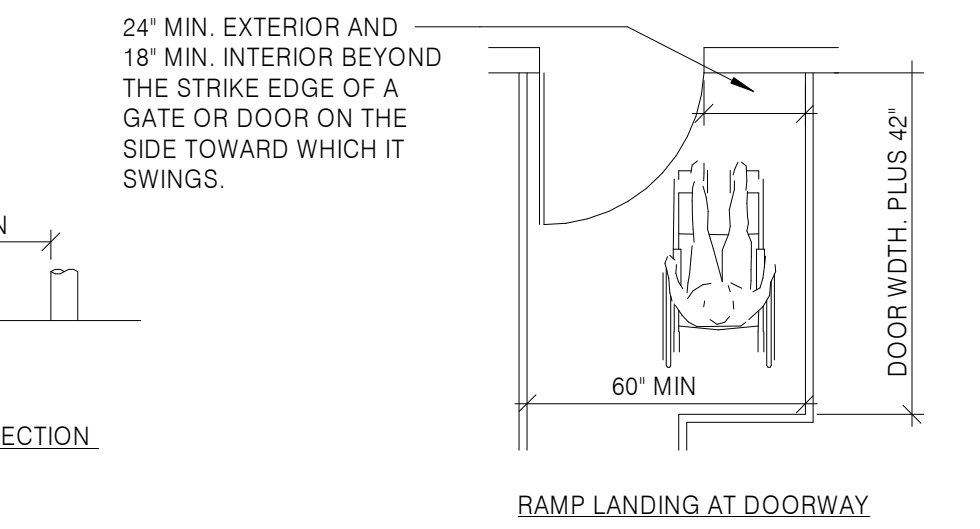
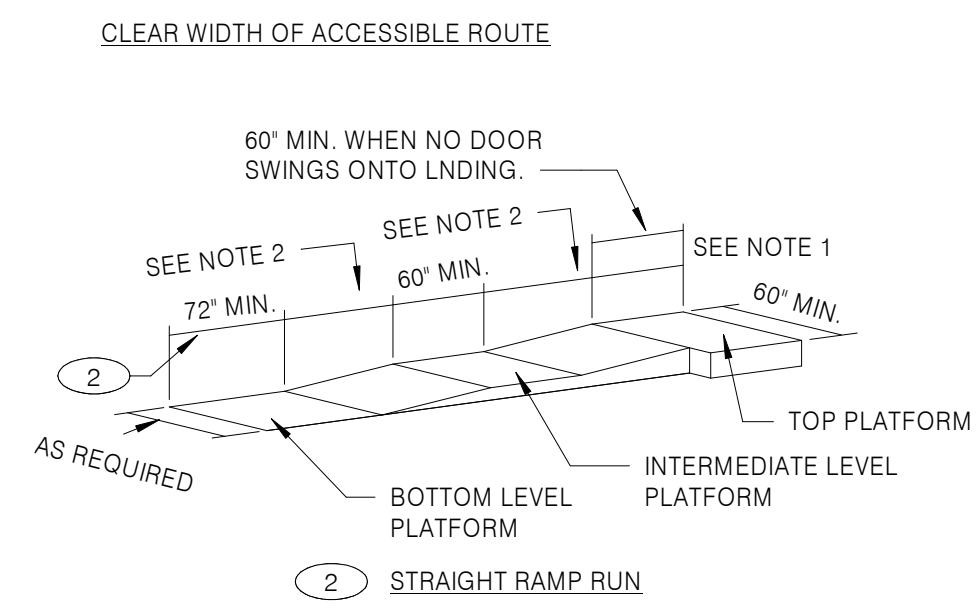
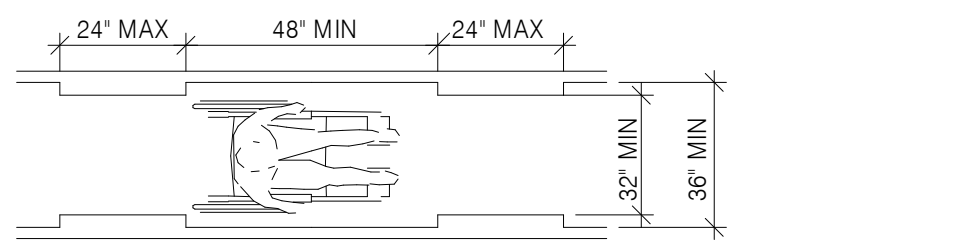
TRUNCATED DOMES 12" = 1'-0" **10**



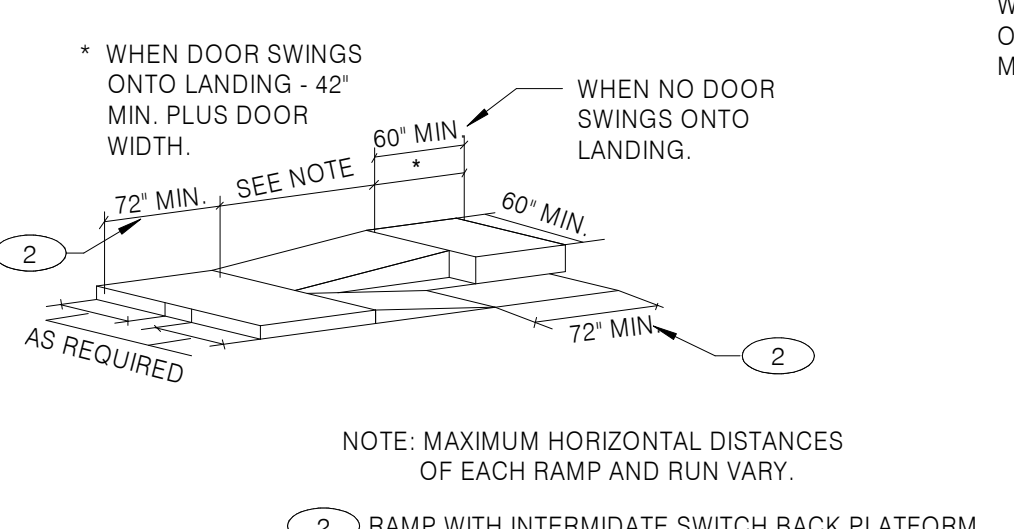
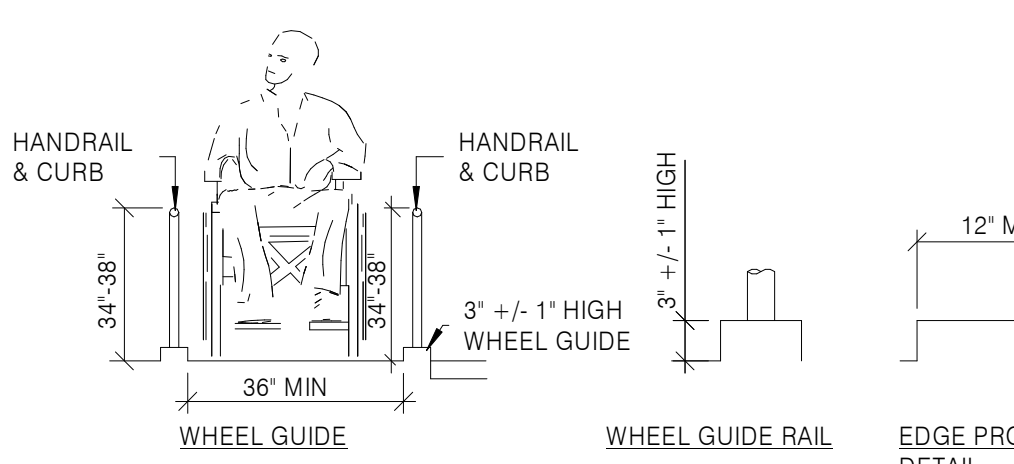
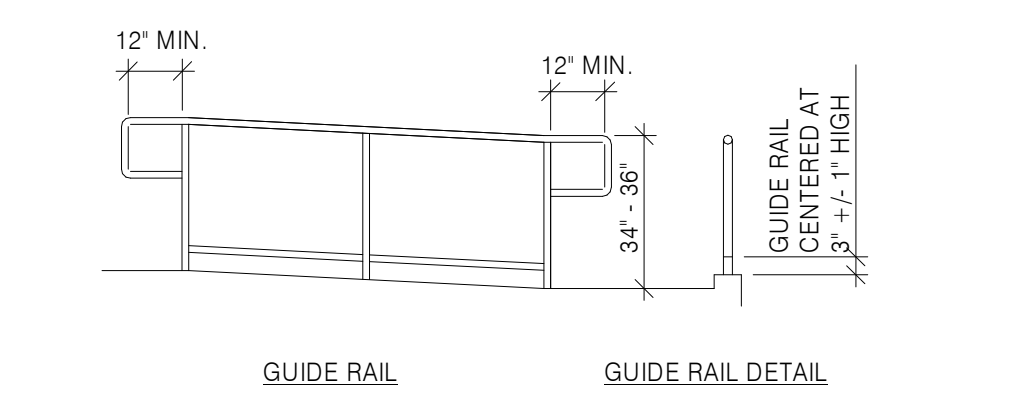
BOTTOM RAIL (EXTERIOR DOOR) 3" = 1'-0" **7**

KEY NOTES

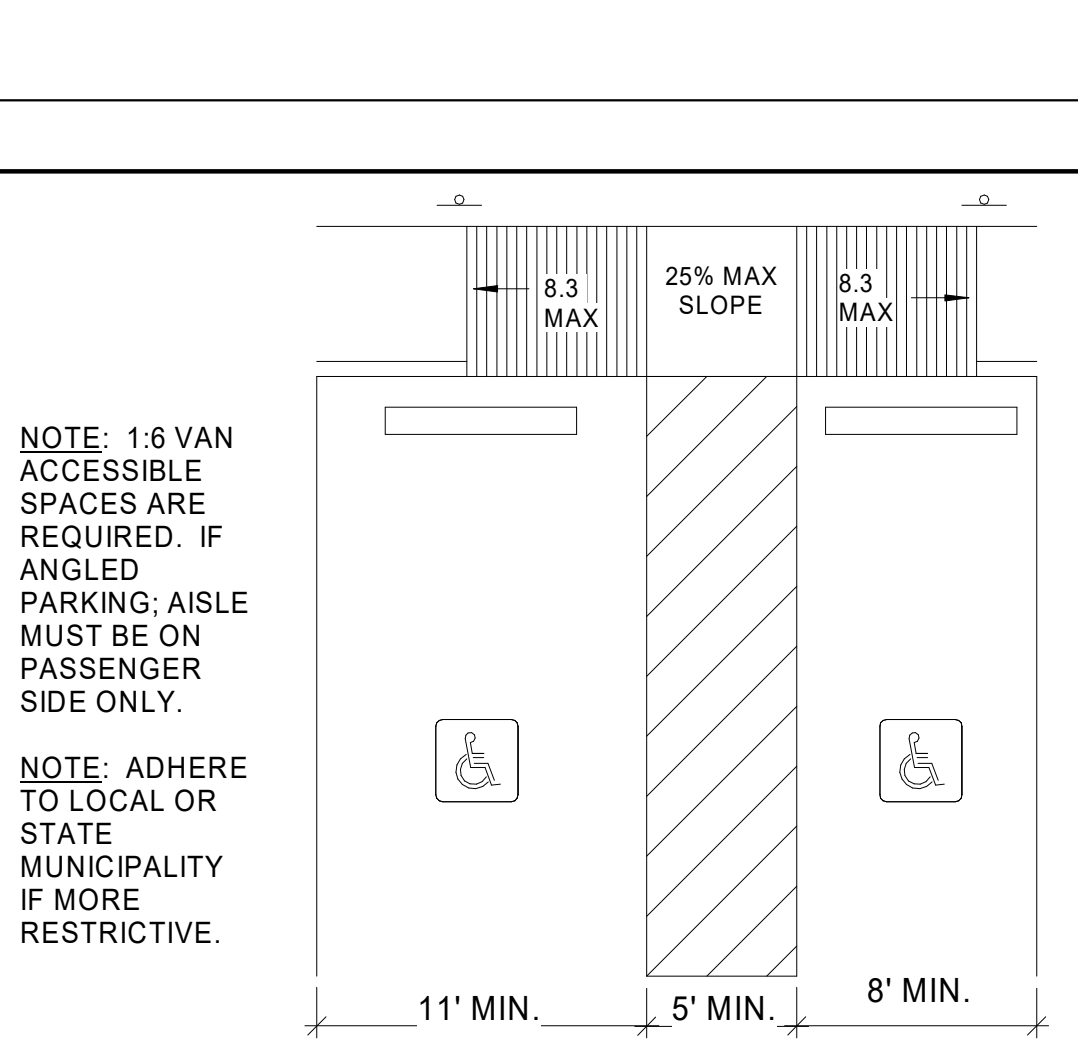
- ② WHEN DOOR SWINGS ONTO LANDING 42" MIN. PLUS DOOR WIDTH
- ② MAXIMUM HORIZONTAL DISTANCE OF EACH RAMP & RUN VARY
- ② 72" FOR CALIFORNIA & 60" FOR REST OF COUNTRY
- ② HANDRAILS NOT REQUIRED ON WALKING SURFACES WITH RUNNING SLOPES LESS THAN 1:20 SLOPES



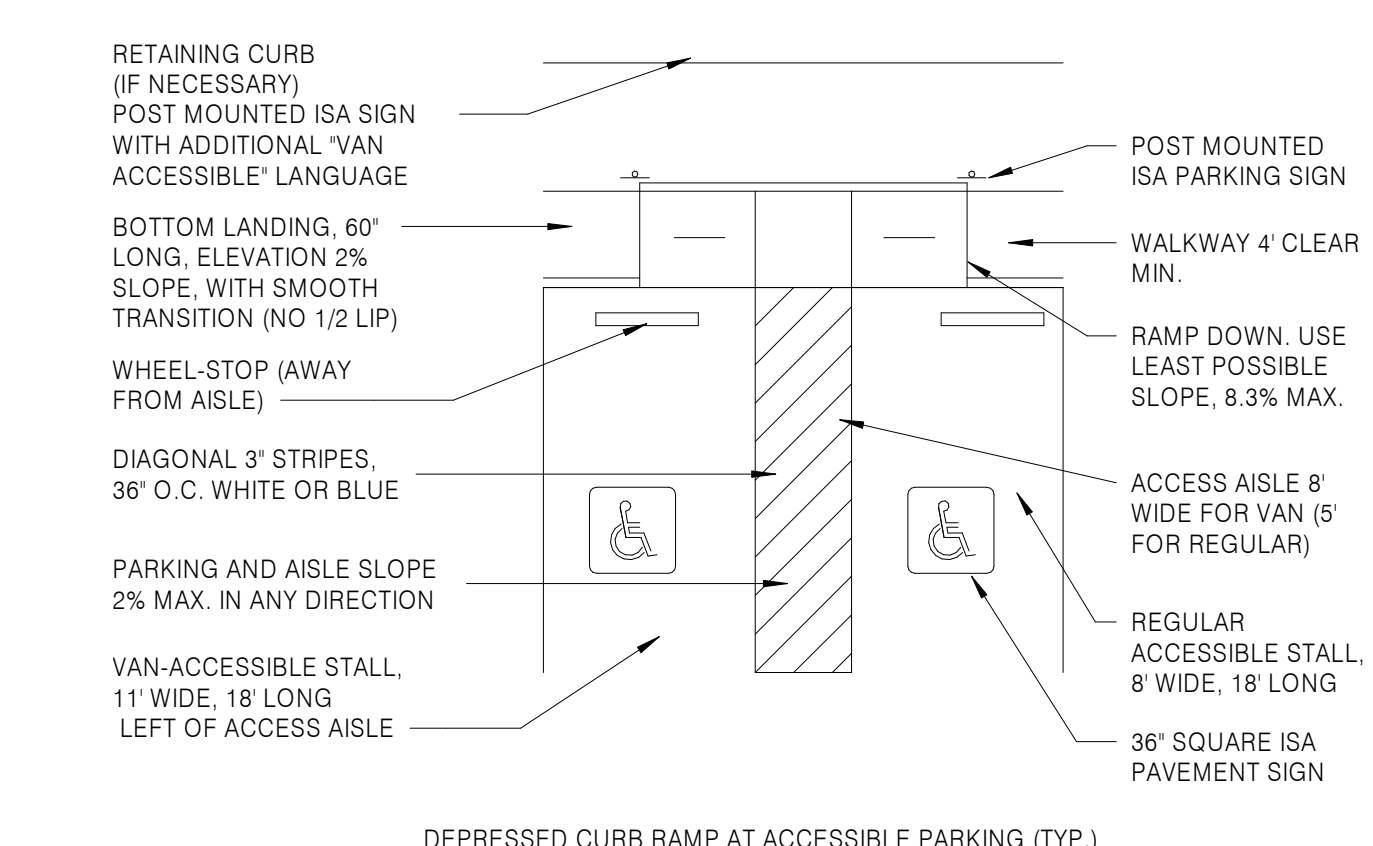
RAMPS N.T.S. **8**



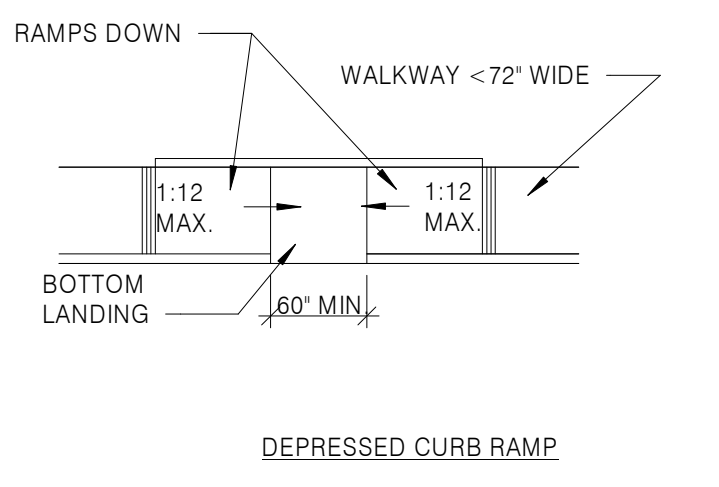
RAMP WITH INTERMEDIATE SWITCH BACK PLATFORM ②



ACCESSIBLE PARKING STALL 12" = 1'-0" **4**

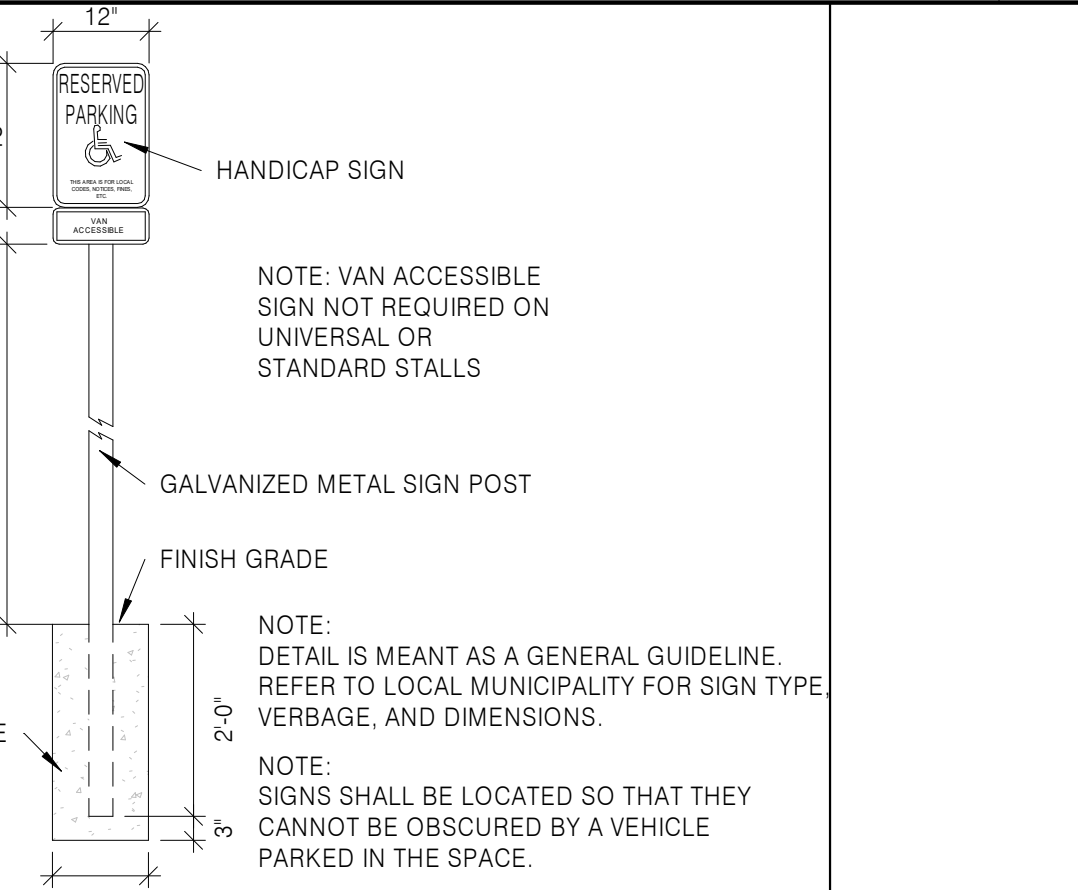


DEPRESSED CURB RAMP AT ACCESSIBLE PARKING (TYP.)



DEPRESSED CURB RAMP

CURB RAMPS 12" = 1'-0" **2**



ACCESSIBLE PARKING SIGN 12" = 1'-0" **5**

08.21.19	Issued for Construction

CONTRACT DATE: 08.21.19
 BUILDING GROUP: T40M-O
 FLOOR PLAN: ME - T40
 REVISION DATE:
 SITE NUMBER: 313076
 STORE NUMBER: 2018088.30

TACO BELL
 7931 LAPEER RD
 DAVISON, MI 48423

T40

ACCESSIBILITY REQUIREMENTS

ADA1.1

PLOT DATE: 8/21/2019 2:30:58 PM

GENERAL:

- LOCATE, CUT AND FRAME ROOF OPENINGS AS SHOWN FOR ALL HVAC EQUIPMENT AND EXHAUST FANS. IT IS VERY IMPORTANT THAT ACCURATE MEASUREMENTS ARE USED WHEN LOCATING EXHAUST FAN ROOF OPENINGS TO ENSURE THAT NO ADDITIONAL OFF-SETS ARE REQUIRED IN THE EXHAUST DUCTWORK. COORDINATE ROOF OPENINGS WITH THE KITCHEN EQUIPMENT.
- PROVIDE ANY FRAMING REQUIRED FOR DIFFUSER INSTALLATION IN HARD CEILING.

HVAC:

- INSTALLATION SHALL CONFORM TO THE ENERGY CONSERVATION DESIGN MANUAL STANDARDS FOR NEW NONRESIDENTIAL BUILDINGS.
- ALL WORK AND MATERIALS SHALL COMPLY WITH GOVERNING CODES, SAFETY ORDERS AND REGULATIONS.
- OBTAIN AND PAY FOR ALL NECESSARY PERMITS, FEES AND INSPECTIONS REQUIRED BY GOVERNING AUTHORITIES.
- E.C. SHALL PROVIDE CONDUIT FOR LINE AND LOW VOLTAGE WIRING, LINE VOLTAGE WIRING SWITCHES, AND FINAL CONNECTIONS. M.C. SHALL PROVIDE 24V CONTROL WIRING AND FINAL CONNECTIONS.
- ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED WITH ADEQUATE ROOM FOR SERVICING, INCLUDING SUBSTITUTE EQUIPMENT NAMED IN THE SPECIFICATIONS. SUBMIT A 1/4" SCALE DRAWING OF ALL EQUIPMENT SUBSTITUTED FOR APPROVAL PRIOR TO INSTALLATION, INCLUDING, BUT NOT LIMITED TO, STRUCTURAL AND ARCHITECTURAL IMPACT, CLEARANCE REQUIREMENTS AND UTILITY REQUIREMENTS.
- FOR INSTALLATION OF RECHARGEABLE REFRIGERANT LINES FROM ICE MACHINE TO CONDENSER ON ROOF, SEE SCOPE OF WORK.
- HVAC UNITS SHALL BE MOUNTED LEVEL ON ROOF CURBS.
- ALL SUPPLY / RETURN DUCTWORK SHALL BE EXTERNALLY INSULATED.
- ALL SUPPLY / RETURN DUCTS SHALL BE RIGID, WITH THE EXCEPTION OF THE LAST 5'-0", WHICH MAY BE FLEX.
- SMOKE DETECTOR SHALL BE INSTALLED IN THE RETURN AIR DUCT, PRIOR TO ANY OUTSIDE AIR CONNECTIONS, AND SHALL DEACTIVATE ROOFTOP UNIT UPON SENSING SMOKE. INCLUDE SMOKE DETECTOR IN THE SUPPLY AIR DUCT ONLY IF REQUIRED BY LOCAL CODE.
- ALL HOOD EXHAUST DUCTS SHALL BE RIGID 16 GA MINIMUM, WELDED DUCT. GRIND ALL WELDS SMOOTH. PROVIDE 3M FIRE BARRIER DUCT WRAP FOR ALL HOOD EXHAUST DUCTS. SEE 10/M4.0.
- ALL BRANCH DUCTS FEEDING INDIVIDUAL DIFFUSERS SHALL HAVE DAMPERS AT TAKEOFFS FOR AIR BALANCING. PROVIDE ACCESS PANELS TO DAMPERS. SEE 4/M4.0.
- ALL UTILITY PIPING FOR RTUS SHALL RUN UP THROUGH ROOF INSIDE EACH UNITS ROOF CURB.
- ALL OUTSIDE AIR INTAKES SHALL BE A MINIMUM OF 10'-0" FROM EXHAUST FANS AND / OR VENTS.
- FINAL HVAC SYSTEM TESTING AND BALANCING SHALL BE PERFORMED BY INDEPENDENT AGENT CONTRACTED DIRECTLY BY THE OWNER. A RE-TEST IS MANDATORY FOR A FALSE START (I.E. NO POWER UPON AGENTS ARRIVAL, EQUIPMENT NOT WIRED, ETC.) AND SHALL BE A COST INCURRED BY THE G.C. IN THE EVENT A SYSTEM / STORE RECEIVES A GRADE OF 5 OR BELOW AS A RESULT OF THE HVAC SYSTEM PERFORMANCE OR OPERATIONAL DEFICIENCIES. OWNER WILL REQUEST A RE-TEST AND THE COST FOR SAME SHALL BE ALSO INCURRED BY THE GENERAL CONTRACTOR.

MECHANICAL NOTES

5

SYMBOL & ABBREV.	DESCRIPTION
	SUPPLY AIR (RISE/DROP)
	RETURN AIR DUCT (RISE/DROP)
	EXHAUST AIR DUCT (RISE/DROP)
	CEILING DIFFUSER/SUPPLY REGISTER (ARROWHEAD REPRESENTS NUMBER OF THROW)
	RETURN REGISTER/GRILLE
	EXHAUST REGISTER/GRILLE
	RECTANGULAR DUCT ELBOW WITH TURNING VANES
	FLEXIBLE CONNECTION
	MANUAL VOLUME DAMPER
	FIRE DAMPER
	DUCT LINING
	SINGLE LINING DUCT BRANCH TAKEOFF
	DUCT TRANSITION (RECTANGULAR TO ROUND)
	FLEXIBLE DUCT
	T-STAT
	PROGRAMMABLE THERMOSTAT, PROVIDED WITH LENNOX PACKAGE
	THERMOSTAT SENSOR (REMOTE), PROVIDED WITH LENNOX PACKAGE
	HUMIDITY SENSOR (REMOTE), PROVIDED WITH LENNOX PACKAGE
	RESET
	SMOKE DETECTOR RESET
	DIAMETER
	MECHANICAL EQUIPMENT DESIGNATION

SYMBOL & ABBREV.	DESCRIPTION
A/C, AC	AIR CONDITIONING
A.F.F.	ABOVE FINISHED FLOOR
BDD	BACK DRAFT DAMPER
CB	CIRCUIT BREAKER
CLG.	CEILING
CONN.	CONNECT/CONNECTION
CONT.	CONTINUATION
CONTR	CONTRACTOR
CFM	CUBIC FEET PER MINUTE
DET.	DETAIL
DISC.	DISCONNECT
DTR	DOWN THRU ROOF
EF	EXHAUST FAN
(E)	EXISTING
GA.	GAGE/GAUGE
GC	GENERAL CONTRACTOR
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
MFR.	MANUFACTURER
MECH.	MECHANICAL
(N)	NEW
OA/OSA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
S/S	STAINLESS STEEL
TYP.	TYPICAL
UON	UNLESS OTHERWISE NOTED
UTR	UP THRU ROOF

MECHANICAL SYMBOLS

6

MARK	AREA SERVED	FAN DATA					COOLING CAPACITY			HEATING CAPACITY			UNIT ELECT DATA				WEIGHT (LBS.)	MANUF.	MODEL	NOTES
		SUPPLY CFM	MIN. O.A. CFM	ESP	HP	RPM	NOMINAL TONS	MIN CAP (MBH) TOT/SEN	MIN EER	INPUT STAGE (MBH)	OUTPUT (MBH)	HEATING STAGES	AFUE %	VOLTS/ PH	MCA (A)	MOCP (A)				
RTU-1	DINING	2400	600	1.0'	2.0	-	6	72.0/54.0	12.0	108	87	2	81	208/3	35	50	918	LENNOX	LGH072H4BM1Y	1,2,3,4,5,6
RTU-2	KITCHEN	4400	950	1.0'	3.0	-	12.5	145.2/100.2	12.3	240	192	2	80	208/3	66	80	1431	LENNOX	LGH152U4EH1Y	1,2,3,4,5,6

SCHEDULE NOTES:

- LISTED CAPACITY IS THE STANDARD UNIT'S GROSS COOLING CAPACITY AT 80 DEG. F. DB / 67 DEG. F. WB EAT AND 95 DEG. F. AMBIENT. OUTDOOR DESIGN CONDITION. SUMMER 88 DEG. F. & 73 DEG. F. WB. WINTER -2 DEG. F. (ARI STANDARD CONDITIONS). THERMOSTAT SHALL BE PROGRAMMED FOR 73 DEG. F. IN SUMMER AND 68 DEG. F. IN WINTER WITH 2 DEG ADJ. FUNCTION UP OR DOWN. THE UNOCCUPIED TEMP SHALL BE SET TO THE STORE SCHEDULE AND 60 DEG. F. MINIMUM.
- SPECIFIED RTUS ARE DOWN DISCHARGE PACKAGED GAS / ELECTRIC ROOFTOP UNITS WITH MINIMUM 2-STAGE COOLING. INCLUDES THROUGH THE ROOF CURB POWER, GAS & CONDENSATE DRAIN. GAS PIPING SHALL BE FACTORY PIPED WITH SHUT-OFF OUTSIDE OF UNIT.
- SPECIFIED UNIT INCLUDES HINGED ACCESS DOORS, 2" PLEATED FILTERS, LOW AMBIENT CONTROL TO 0 DEG. F., MODULATING ECONOMIZER, CIRCUIT BREAKER WITH SINGLE POINT WIRING, HAIL GUARD, AND FACTORY FABRICATED, KNOCK DOWN ROOF CURB.
- SPECIFIED UNIT INCLUDES FACTORY INSTALLED HOT GAS REHEAT OPTION (WHERE REQUIRED) INCLUDING REMOTE MOUNTED TEMPERATURE AND HUMIDITY SENSORS AS INDICATED ON THE DRAWINGS.
- SPECIFIED UNIT INCLUDES SUPPLY AIR TEMPERING CONTROL
- SPECIFIED RTUS SHALL BE SUPPLIED WITH OVERSIZED INDOOR FAN MOTOR AND EVAPORATOR MOTOR.

HVAC UNIT SCHEDULE

1

Mark	FAN DATA					DRIVE TYPE	MANUFACTURER	MODEL	NOTES
	CFM	ESP	RPM	HP	VOLTS/PH				
EF-1	1050	0.8	1292	1/2	120/1	DIRECT	STRATOVENT	#SVDU50HFA	1,3,5,6,7,8,10
EF-2	300	0.375	1025	1/4	120/1	DIRECT	STRATOVENT	#SVDR30HFA	2,4,7,8,9,10,11

- REMARKS:
- UL 762 LISTED (GREASE)
 - UL 705 LISTED (HEAT OR STEAM)
 - FLAT ROOF CURB, 19.5" X 19.5" X 26"H, VENTED
 - FLAT ROOF CURB, 19.5" X 19.5" X 14"H
 - GREASE CUP WITH DRAIN
 - FACTORY ATTACHED HINGES
 - WEATHERPROOF PRE-WIRED DISCONNECT SWITCH
 - PROVIDE PRE-WIRED SOLID STATE SPEED CONTROLLER
 - GRAVITY BACKDRAFT DAMPER
 - PROVIDED BY OWNER WITH HOOD PACKAGE
 - PRVIDED WITH DAMPER TRAY

SUPPLY AND EXHAUST FAN SCHEDULE

2

MARK	QUANTITY	NECK SIZE	FACE SIZE OR GRID SIZE	(NO.) & AIR PATTERN	TYPE	MAX FLOW (CFM)	MOUNTING	MATERIAL	MANUFACTURER	MODEL NUMBER	REMARKS
E-1	2	8"Ø	12x12	-	EXHAUST	200	SURFACE	ALUMINUM	METAL-AIRE / TITUS	CC5 / 50F	FRN SGR TO RND ADAPTER
E-2	1	8"Ø	12x12	-	EXHAUST	200	SURFACE	ALUMINUM	METAL-AIRE / TITUS	CC5 / 50F	FRN SGR TO RND ADAPTER
R-1	4	22x22	24x24	-	RETURN	2200	LAY-IN	ALUMINUM	METAL-AIRE / TITUS	CC5-FB-TB / 50FF	FULLY REMOVABLE FACE
S-1	7	SEE PLANS	24x24	(2)4W/(2)3W	SUPPLY	500	LAY-IN	ALUMINUM	METAL-AIRE / TITUS	5000-6 / TDC-AA	FRN SGR TO RND ADAPTER
S-2	3	6"Ø	14x14	HORIZ	SUPPLY	250	SURFACE	ALUMINUM	METAL-AIRE / TITUS	5000-1 / TDC-AA	FRN SGR TO RND ADAPTER
S-3	3	12x6	18x6	VERT	SUPPLY	400	SURFACE	ALUMINUM	TITUS	301RL	SUPPLY GRILLE WITH SINGLE DEFLECTION
S-4	5	SEE PLANS	24x24	HORIZ	SUPPLY	700	LAY-IN	ALUMINUM	METAL-AIRE / TITUS	RZMCDST	PLASTIC MODULAR CORE

NOTES:
1. DIFFUSERS IN SURFACE MOUNTED CEILINGS SHALL BE PROVIDED WITH OPPOSED BLADE DAMPERS. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES.

AIR DEVICE SCHEDULE

3

ITEM	OA	RA	SA	EA	PRESSURE
EF-1	--	--	--	1050	-1050
EF-2	--	--	--	300	-300
RTU-1	600	1800	2400	--	+600
RTU-2	950	3450	4400	--	+950
TOTAL	1550	5250	6800	1350	+200

NOTE:
THE OUTSIDE PERCENTAGE OF TOTAL SUPPLY AIR IS 25.0% FOR RTU-1 AND 21.6% FOR RTU-2.

AIR BALANCE SCHEDULE CFM

4



520 SOUTH MAIN STREET, SUITE 2531
AKRON, OH 44311
330.572.2100 FAX: 330.572.2101

08.21.19	Issued for Construction

CONTRACT DATE:
BUILDING GROUP: GROUND-UP
FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

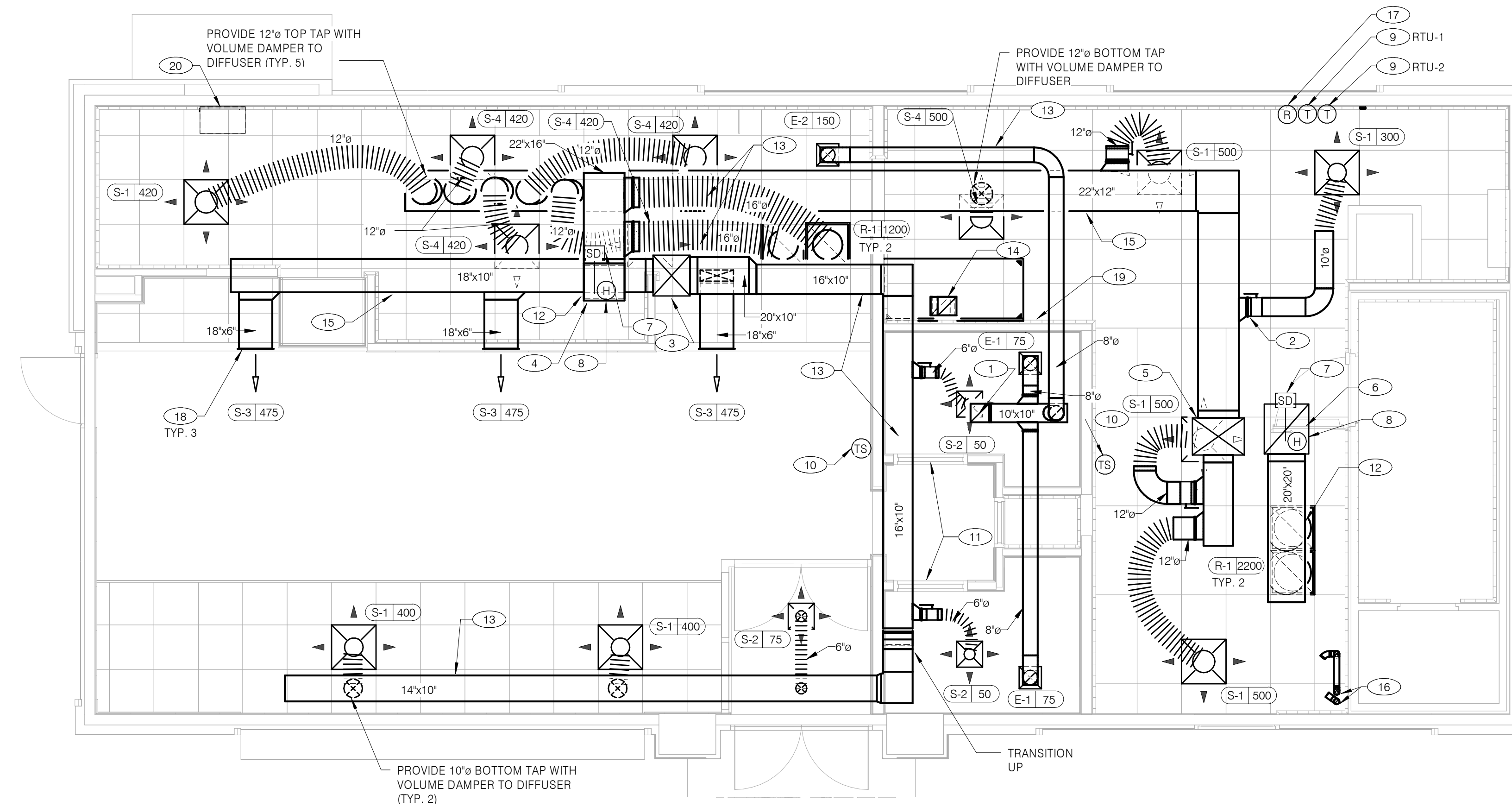
Taco Bell
7931 LAPEER RD
DAVISON, MI 48423

T40

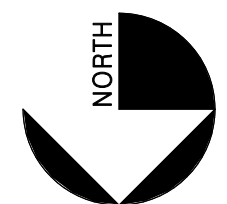
MECHANICAL SCHEDULES AND NOTES

M1.0

PLOT DATE: 8/21/2019 2:42:25 PM



COVER ALL HVAC DUCT SYSTEMS OPENINGS TO PROTECT FROM CONSTRUCTION DUST AND DEBRIS UNTIL CONSTRUCTION IS COMPLETE. IF THE HVAC SYSTEM IS OPERATED BEFORE CONSTRUCTION IS COMPLETE, PROVIDE MERV8 FILTERS AT ALL AIR INTAKES INSIDE THE BUILDING.



08.21.19	Issued for Construction

CONTRACT DATE:	08.21.19
BUILDING GROUP:	GROUND-UP
FLOOR PLAN:	ME - T40
REVISION DATE:	
SITE NUMBER:	313076
STORE NUMBER:	2018088.30

DUCT AND DIFFUSER PLAN 1/4" = 1'-0" **A**

1. DINING ROOM LIGHT FIXTURE LOCATIONS ARE CRITICAL. COORDINATE DUCTWORK LOCATIONS SO AS NOT TO CONFLICT WITH LIGHT FIXTURE LOCATIONS.
2. THERMOSTATS SHALL BE PROGRAMMABLE THERMOSTAT WITH SUBBASE. REMOTE TEMPERATURE SENSOR, AND REMOTE HUMIDITY SENSOR.
3. HUMIDITY SENSOR APPLICATION IS VARIABLE PER SITE SPECIFIC CONDITIONS. REFER TO HVAC UNIT SCHEDULE, 1/M1.0, FOR APPLICATION CONDITIONS.
4. COORDINATE DUCTWORK LOCATIONS WITH LIGHTING AND STRUCTURAL.
5. NO FLEX DUCT ALLOWED ON EXHAUST SYSTEMS.
6. HVAC TEST AND BALANCE: CONTRACTOR TO CONTACT ONE OF THE FOLLOWING COMPANIES TO PERFORM THE HVAC AIR BALANCE.
 - TEST AND BALANCE CORP.
MISTY CRIDER
(678) 393-9401 EXT. 2237
isextonkeeton@tabonline.com
 - MELINK CORP.
JENNIFER JACKSON
(513) 393-9401 EXT. 2237
kjohanson@melinkcorp.com
 - AIR CARE EXPERTS
CHUCK McCABE
cmccabe@ace-iaq.com

GENERAL NOTES - MECHANICAL NTS **C**

- 1 10x10 EXHAUST AIR DUCT UP TO EF-2.
- 2 SEE DETAIL 4 ON DRAWING M4.0 FOR SUPPLY AIR TAKE-OFF TO CEILING DIFFUSERS AND GRILLES.
- 3 EXTEND FULL SIZE SUPPLY DUCT DROP WITH FLEX CONNECTION TO RTU-1. PROVIDE 90° ELBOWS WITH TURNING VANES.
- 4 DUCT TRANSITION FROM MAIN RETURN PLENUM TO 22"X18" RETURN AIR DUCT. CONNECT TO RETURN AIR PLENUM AT ROOFTOP UNIT RTU-1 WITH FLEX CONNECTION.
- 5 EXTEND FULL SIZE SUPPLY PLENUM WITH FLEX CONNECTION TO RTU-2. PROVIDE 90° ELBOWS WITH TURNING VANES AND SPLITTER DAMPERS.
- 6 EXTEND FULL SIZE RETURN DUCT DROP WITH FLEX CONNECTION TO RTU-2.
- 7 FURNISH AND INSTALL SMOKE DETECTOR IN THE RETURN AIR DUCT, IN ACCORDANCE WITH LOCAL CODES. DUCT SMOKE DETECTOR WIRED BY ELECTRICAL CONTRACTOR, SEE SHEET E3.2.
- 8 HUMIDITY SENSOR (REMOTE). HUMIDITY SENSOR LOCATION SHALL BE PLACED IN RETURN AIR DUCTWORK. VERIFY EXACT LOCATION.
- 9 LOCATE THERMOSTAT CONTROLS ON WALL IN OFFICE AT 48" A.F.F. COORDINATE LOCATION WITH LIGHT SWITCHES AND OTHER WALL MOUNTED ACCESSORIES.
- 10 MOUNT THERMOSTAT REMOTE SENSOR AT 60" A.F.F.
- 11 UNDERCUT RESTROOM DOORS MINIMUM 3/4" FOR MAKE-UP AIR.
- 12 RUN DUCTWORK BETWEEN TRUSSES AS HIGH AS POSSIBLE. COORDINATE ACTUAL DUCT ROUTING WITH FINAL TRUSS SPACING AND LOCATIONS.

- 13 RUN DUCT THROUGH OPEN WEBBING OF ROOF TRUSSES (WHERE POSSIBLE). COORDINATE WITH TRUSS DESIGN PRIOR TO DUCTWORK FABRICATION.
- 14 10"X10" EXHAUST AIR DUCT DOWN FROM EF-1 AND TRANSITION TO FIELD CUT EXHAUST CONNECTION AT HOOD. EXHAUST DUCT SHALL BE ROUTED THROUGH TRUSS WEBS TO CONNECT TO HOOD COLLAR. SEE HOOD DETAILS ON DRAWING M3.0. SEE DETAIL 10 ON SHEET M4.0 FOR FIRE PROTECTION OF DUCT WORK. SEE DETAIL 6 ON SHEET M4.0 FOR EXHAUST DUCT TRANSITION.
- 15 RUN MAIN SUPPLY DUCT UNDER BOTTOM OF TRUSS. COORDINATE ACTUAL DUCT ROUTING WITH FINAL CEILING HEIGHT.
- 16 FURNISH AND INSTALL 3" PVC WATER HEATER INTAKE AND FLUE VENT TERMINATION ON ROOF. COORDINATE WORK WITH ALL TRADES.
- 17 NEW SMOKE DETECTOR RESET SWITCH WITH KEY. MFR. IS "SYSTEM SENSOR" MODEL # RT5151 KEY. MOUNT NEXT TO THERMOSTATS @ 48" A.F.F. - INSTALL PER MFR. SPECIFICATIONS.
- 18 INSTALL SIDE-WALL MOUNTED GRILLE AT APPROXIMATELY 10'-8" A.F.F. CONNECT GRILLE TO SUPPLY DUCT AND PROVIDE WITH VOLUME DAMPER AT CONNECTION PAINT TO MATCH ADJACENT CONDITIONS.
- 19 CONTRACTOR TO INSTALL FIRE SUPPRESSION CABINET ON EXHAUST HOOD. CONTRACTOR TO PROVIDE ALL NECESSARY PIPING, FITTINGS, AND ACCESSORIES TO MAKE FINAL CONNECTION AT HOOD. FIELD VERIFY EXACT LOCATION OF FIRE SUPPRESSION CABINET.
- 20 CONTRACTOR TO PROVIDE AND INSTALL AIR CURTAIN IN LOCATION AS SHOWN ON PLAN. MOUNT AIR CURTAIN ON MULLION DIRECTLY ABOVE SERVICE OPENING DOORS AT DRIVE-THRU WINDOW. PROVIDE BERNER MODEL DTU03-2026A AT 120"/1/60. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR MORE DETAILS.

KEYNOTES - DUCT AND DIFFUSER NTS **B**

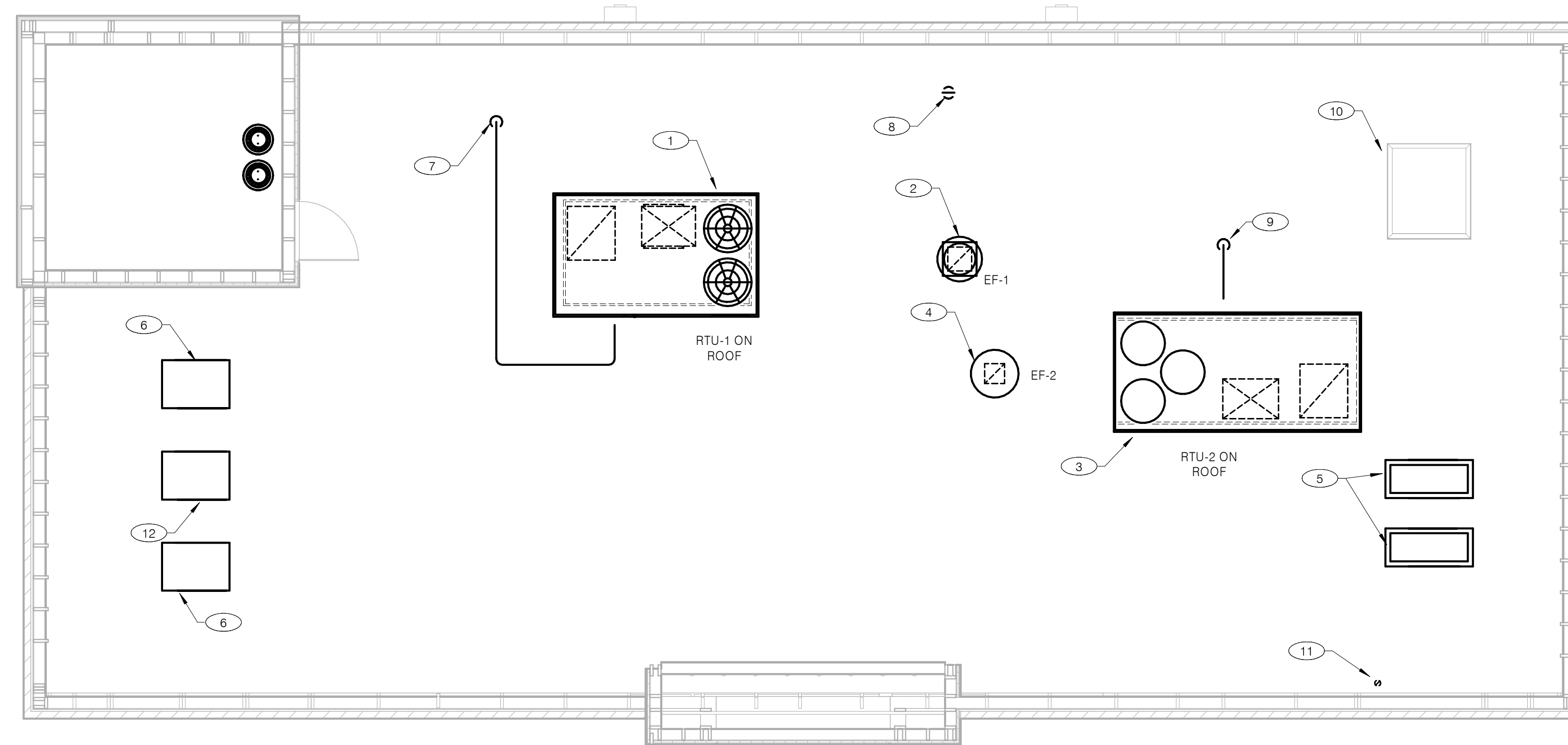
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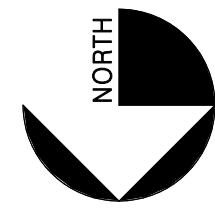
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DUCT AND DIFFUSER PLAN

M2.0



COVER ALL HVAC DUCT SYSTEMS OPENINGS TO PROTECT FROM CONSTRUCTION DUST AND DEBRIS UNTIL CONSTRUCTION IS COMPLETE. IF THE HVAC SYSTEM IS OPERATED BEFORE CONSTRUCTION IS COMPLETE, PROVIDE MERV8 FILTERS AT ALL AIR INTAKES INSIDE THE BUILDING.



MECHANICAL ROOF PLAN 1/4" = 1'-0" **A**

- 1 CONTRACTOR TO PROVIDE AND INSTALL RTU-1 IN LOCATION AS SHOWN ON PLANS. COORDINATE EXACT RTU LOCATION AND DUCT DROPS WITH STRUCTURAL TRUSS LAYOUT. MAINTAIN A MINIMUM 10'-0" CLEARANCE TO ANY EXHAUST TERMINATIONS.
- 2 CONTRACTOR TO PROVIDE AND INSTALL TYPE I EXHAUST FAN (EF-1) IN LOCATION AS SHOWN PLANS. CONNECT 10"x10" EXHAUST DUCT FROM EXHAUST HOOD UP TO EF-1 ON ROOF. COORDINATION EXHAUST DUCT ROUTING WITH STRUCTURAL TRUSS LAYOUT.
- 3 CONTRACTOR TO PROVIDE AND INSTALL RTU-2 IN LOCATION AS SHOWN ON PLANS. COORDINATE EXACT RTU LOCATION AND DUCT DROPS WITH STRUCTURAL TRUSS LAYOUT. MAINTAIN A MINIMUM 10'-0" CLEARANCE TO ANY EXHAUST TERMINATIONS.
- 4 CONTRACTOR TO PROVIDE AND INSTALL TYPE II EXHAUST FAN (EF-2) IN LOCATION AS SHOWN PLANS. CONNECT 10"x10" EXHAUST DUCT FROM RESTROOM EXHAUST GRILLES TO EF-2 ON ROOF. COORDINATION EXHAUST DUCT ROUTING WITH STRUCTURAL TRUSS LAYOUT.
- 5 CONDENSING UNIT SERVING WALK-IN COOLER/FREEZER. COORDINATE EXACT LOCATION WITH ROOF LAYOUT. CONTRACTOR TO FIELD VERIFY EXACT REFRIGERANT PIPING. PROVIDE ALL NECESSARY PIPING ACCESSORIES INCLUDING PIPING INSULATION AND INSTALL ON APPROPRIATE EQUIPMENT SUPPORTS.
- 6 CONDENSING UNIT SERVING ICE MAKER. COORDINATE EXACT LOCATION WITH ROOF LAYOUT. CONTRACTOR TO FIELD VERIFY EXACT REFRIGERANT PIPING. PROVIDE ALL NECESSARY PIPING ACCESSORIES INCLUDING PIPING INSULATION AND INSTALL ON APPROPRIATE EQUIPMENT SUPPORTS.
- 7 1" GAS PIPING UP THROUGH ROOF FROM BELOW. CONTRACTOR TO ROUTE GAS PIPING ON ROOF AND PROVIDE PIPING SUPPORTS. CONNECT TO RTU AND PROVIDE WITH SHUT-OFF VALVE AND DIRT LEG.
- 8 PLUMBING VENT, REFERENCE 1/P2.0.
- 9 1-1/4" GAS PIPING UP THROUGH ROOF FROM BELOW. CONTRACTOR TO ROUTE GAS PIPING ON ROOF AND PROVIDE PIPING SUPPORTS. CONNECT TO RTU AND PROVIDE WITH SHUT-OFF VALVE AND DIRT LEG.
- 10 ROOF HATCH. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 11 MANUFACTURER'S CONCENTRIC TERMINATION VENT KIT SERVING HOT WATER HEATER BELOW. INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. ENSURE AT LEAST A 10'-0" DISTANCE BETWEEN ANY OUTDOOR AIR INTAKES.
- 12 CONDENSING UNIT SERVING FROZEN BEVERAGE MACHINE. COORDINATE EXACT LOCATION WITH ROOF LAYOUT. CONTRACTOR TO FIELD VERIFY EXACT REFRIGERANT PIPING. PROVIDE ALL NECESSARY PIPING ACCESSORIES INCLUDING PIPING INSULATION AND INSTALL ON APPROPRIATE EQUIPMENT SUPPORTS.

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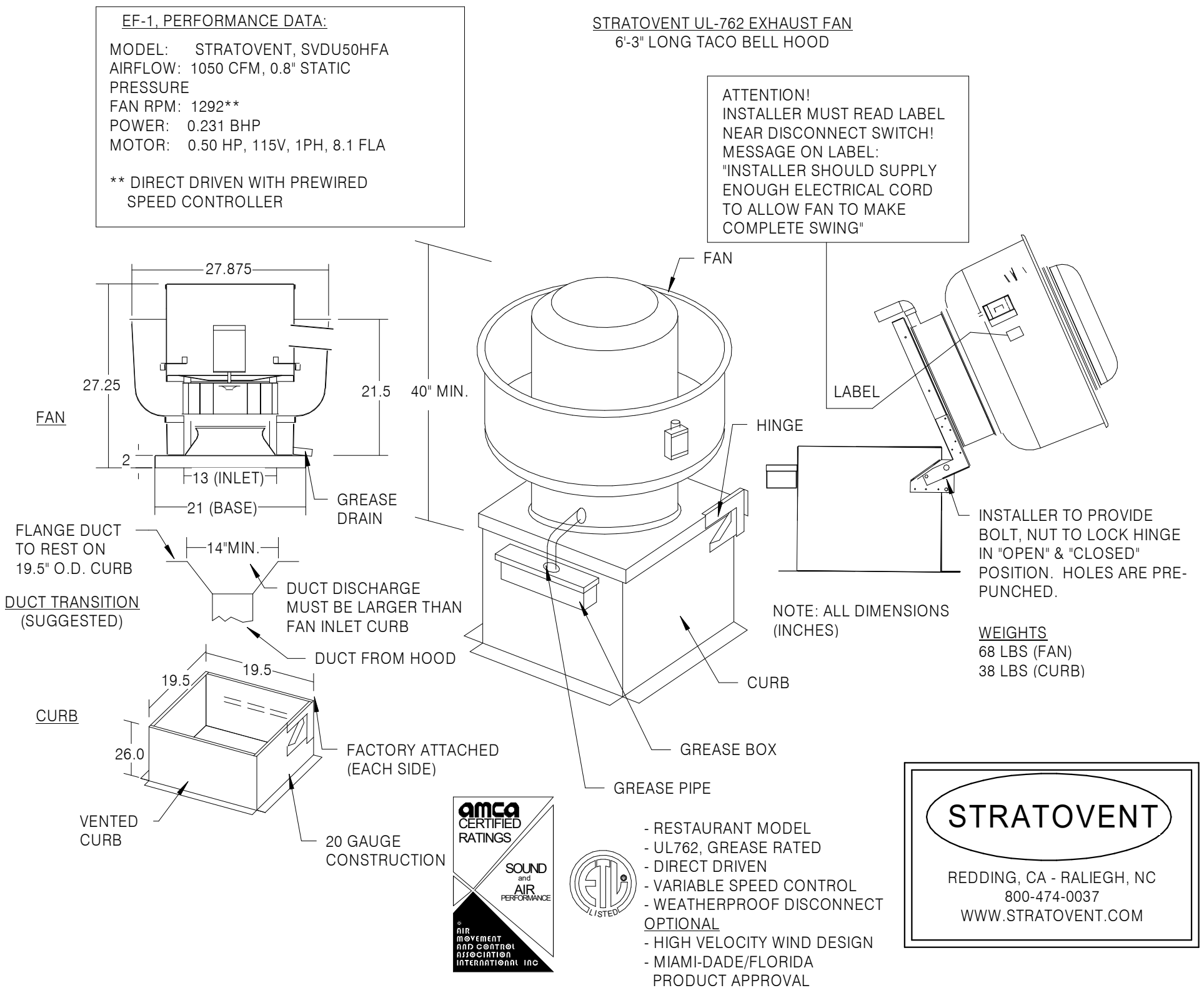
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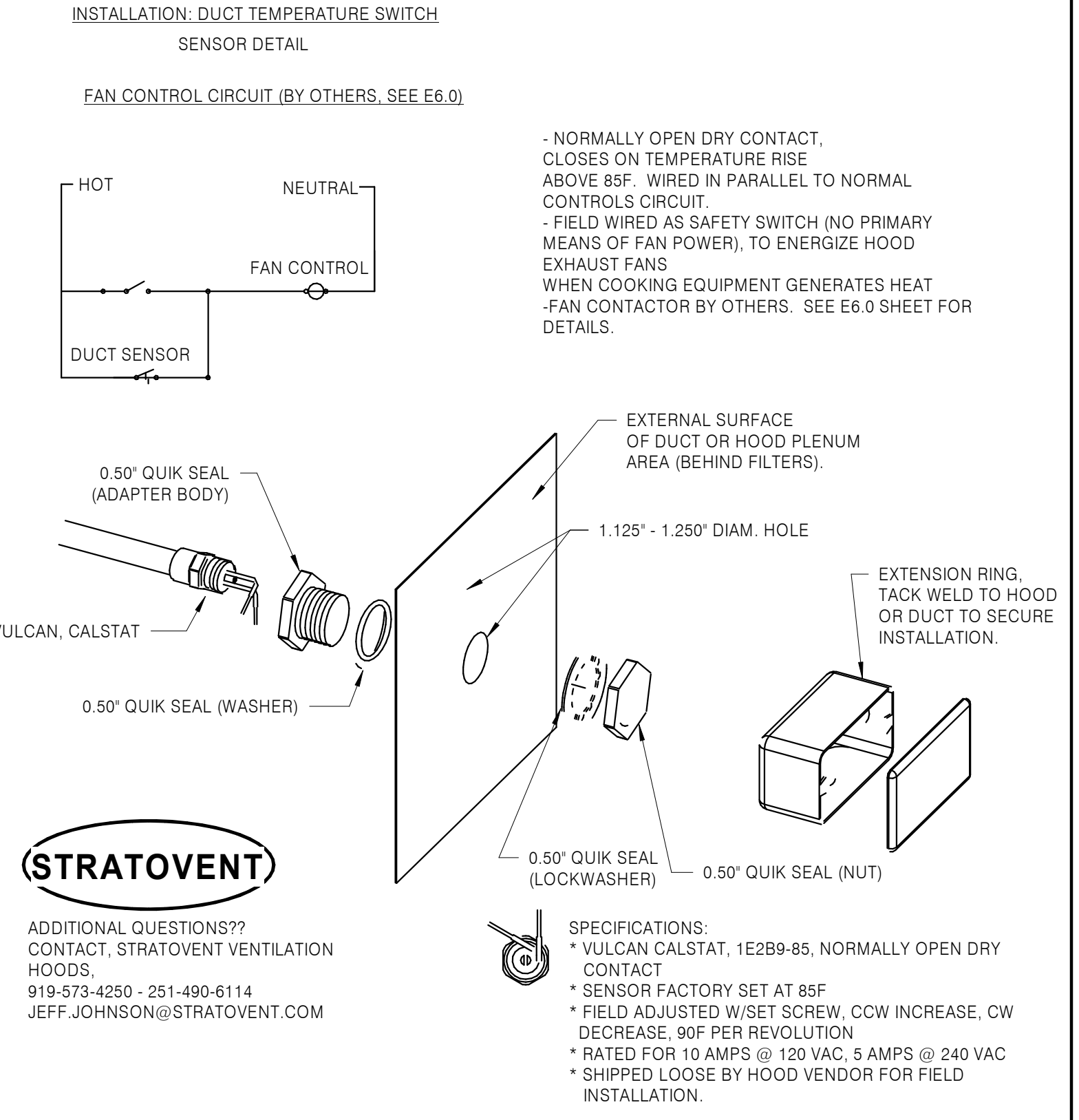
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MECHANICAL ROOF PLAN

M2.1



HOOD EXHAUST FAN DETAIL NTS 7

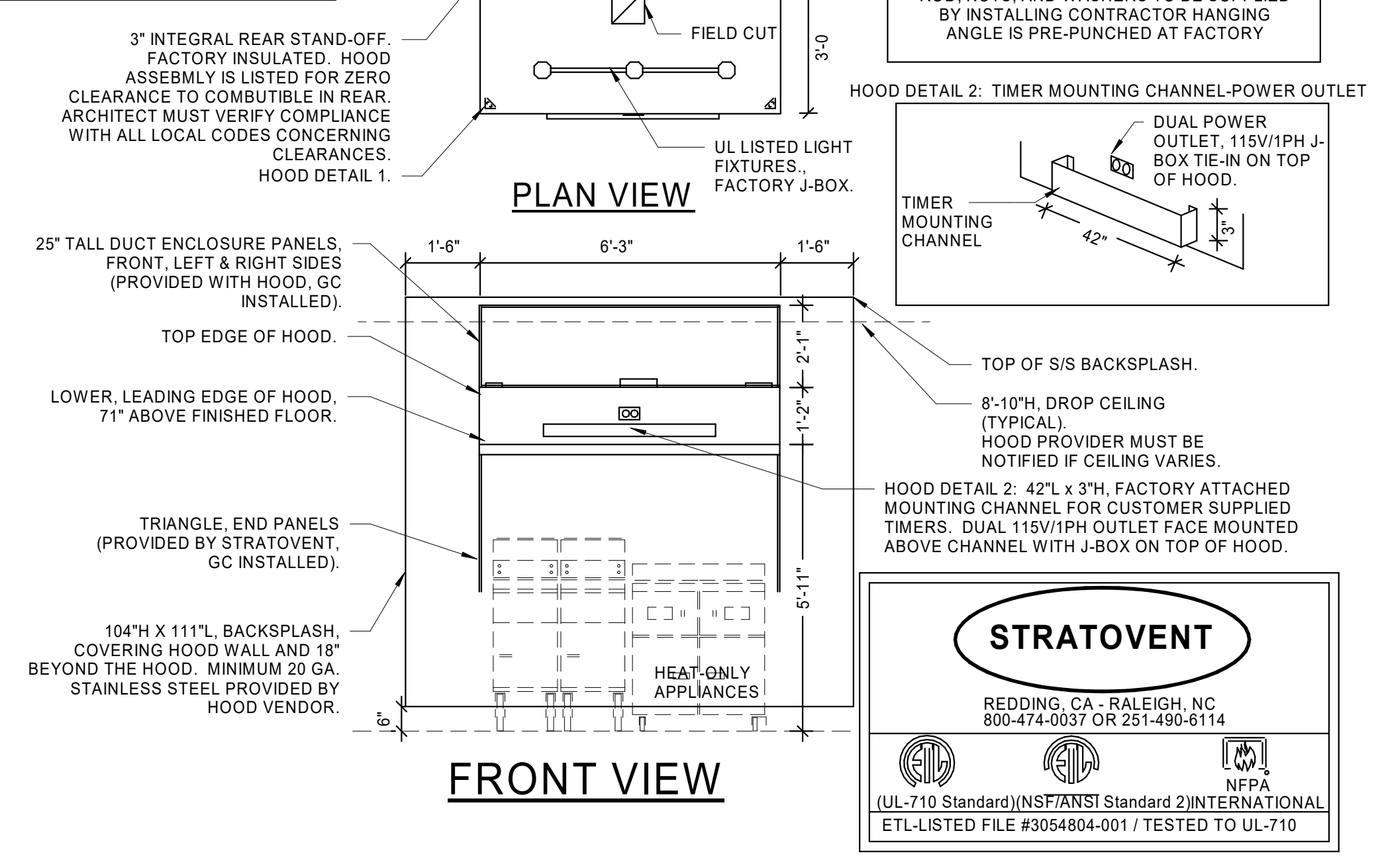


HEAT SENSOR ATTACHMENT NTS 5

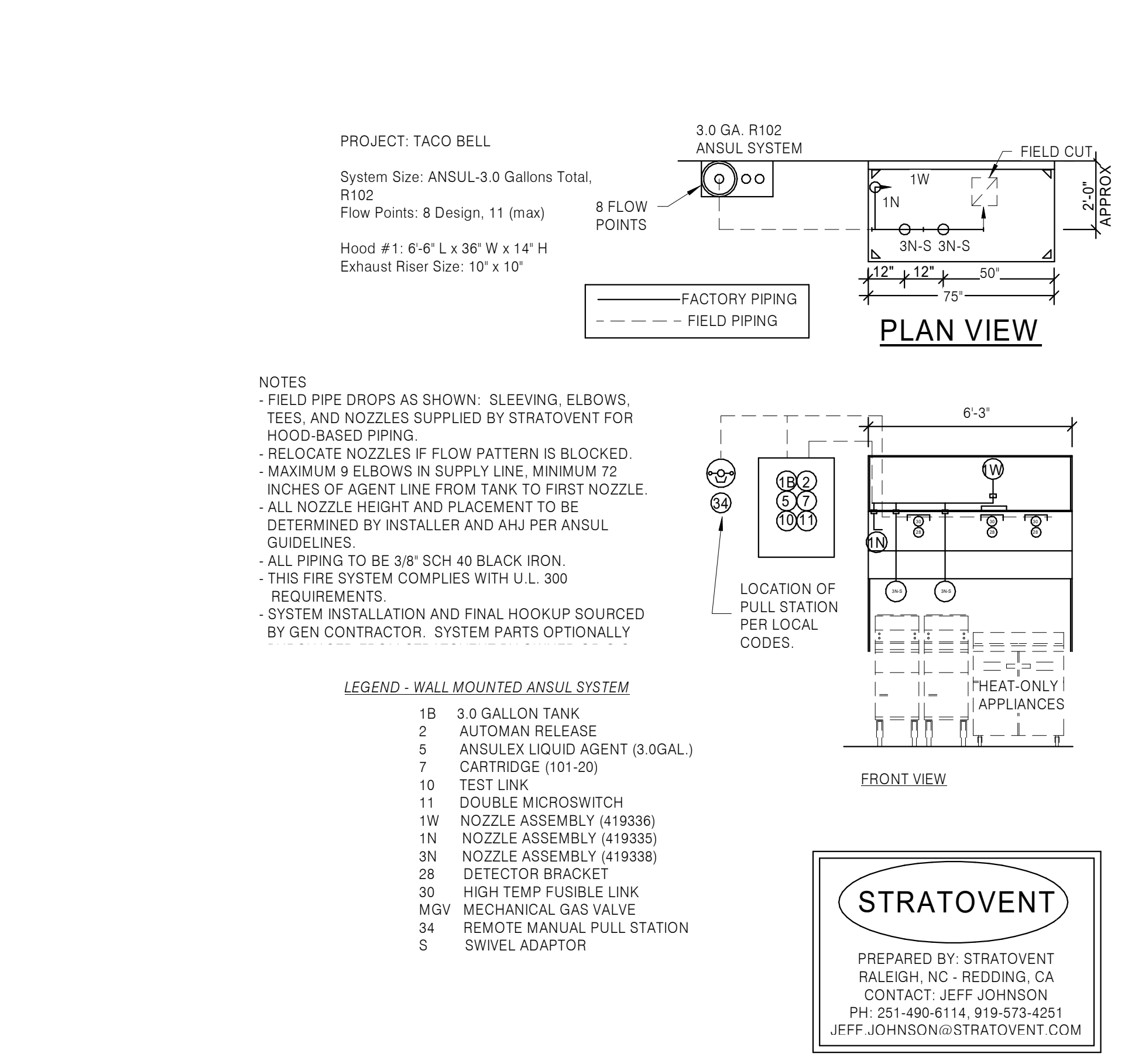
HOOD#	1 OF 1			STRATOVENT SVBD2		
LENGTH (IN):	6'-3"	LENGTH (IN):	36"	HEIGHT (IN):	14"	
EXHAUST CFM:	1050	SUPPLY CFM:	BY RTU-SEE M1.0			
EXHAUST SP:	0.9" (HOOD+DUCT)	SUPPLY SP:	NA			
EXHAUST FPM:	1512	SUPPLY FPM:	NA			
EXHAUST SIZE:	10"X10"	SUPPLY SIZE:	NA			
FILTERS: (4)	16" X 16"	HOOD WEIGHT:	300 LBS			
FIRE SUPPRESSION:	ANSUL-R102	FILTER TYPE:	STAINLESS BAFFLE			
LIGHT QTY: (3)	A19/CFL	CONTROL SWITCH:	BY OTHERS			

DESIGN NOTES:
 - STRATOVENT HOODS ARE ETL LISTED TO UL-710 STANDARDS, 3054804-001
 - MODEL SVBD2 IS A NON-CANOPY HOOD. *LISTED* VALUES ARE UTILIZED FOR AIRFLOW, OVERHANGS AND TEMPERATURE RATINGS.
 - 18/20 GAUGE MINIMUM S/S ON EXPOSED SURFACES PER NFPA.
 - HOOD IS PREPARED FOR ANSUL SYSTEM INSTALL BY OTHERS.
 - INSTALLER TO REVIEW E6.0 SHEET FOR HOOD AND FAN WIRING. NO CONTACTOR OR CONTROL BOX IS FURNISHED WITH HOOD, UNLESS SOURCED DIRECT FROM STRATOVENT BY INSTALLER.

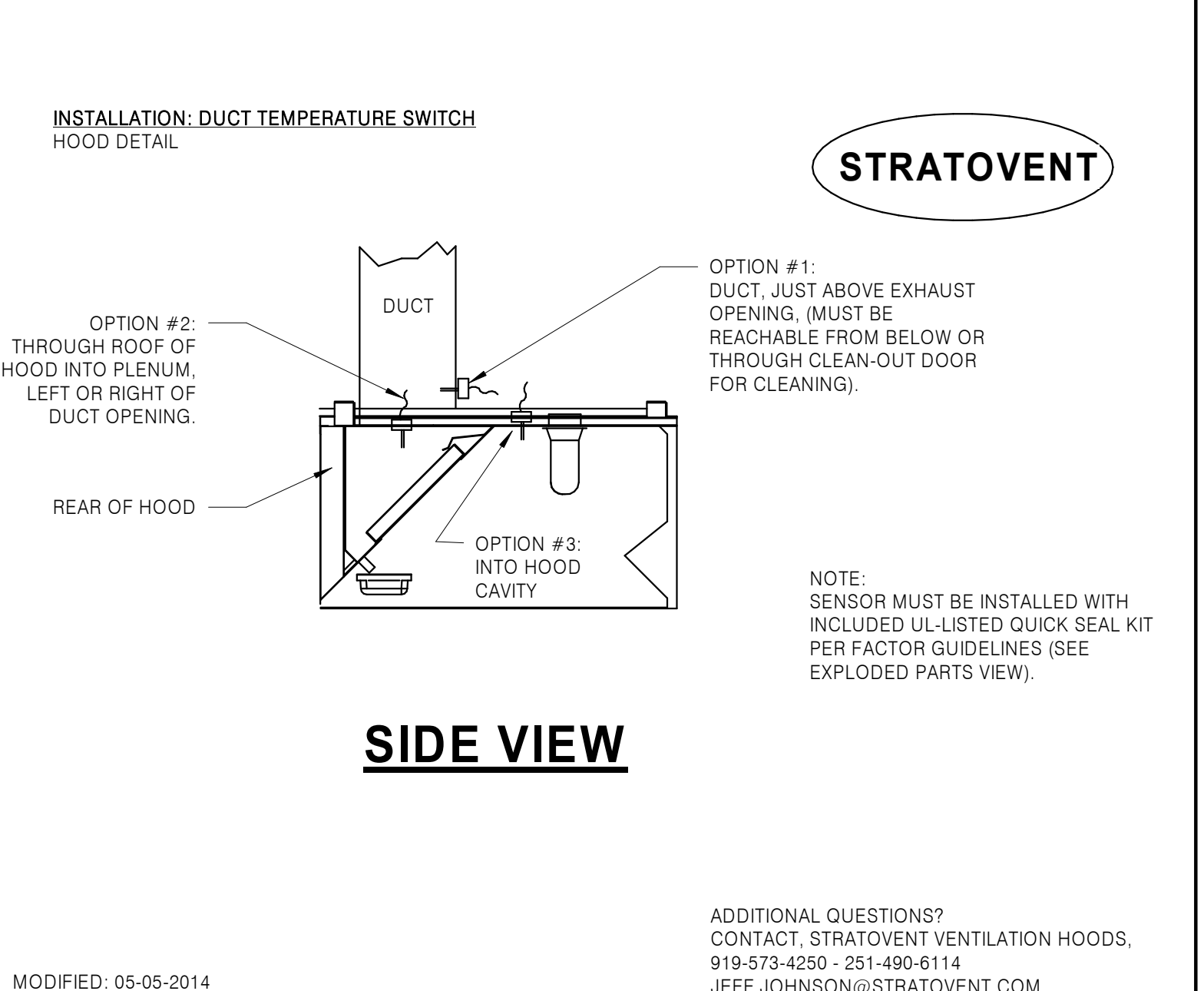
LOW-PROFILE HOOD



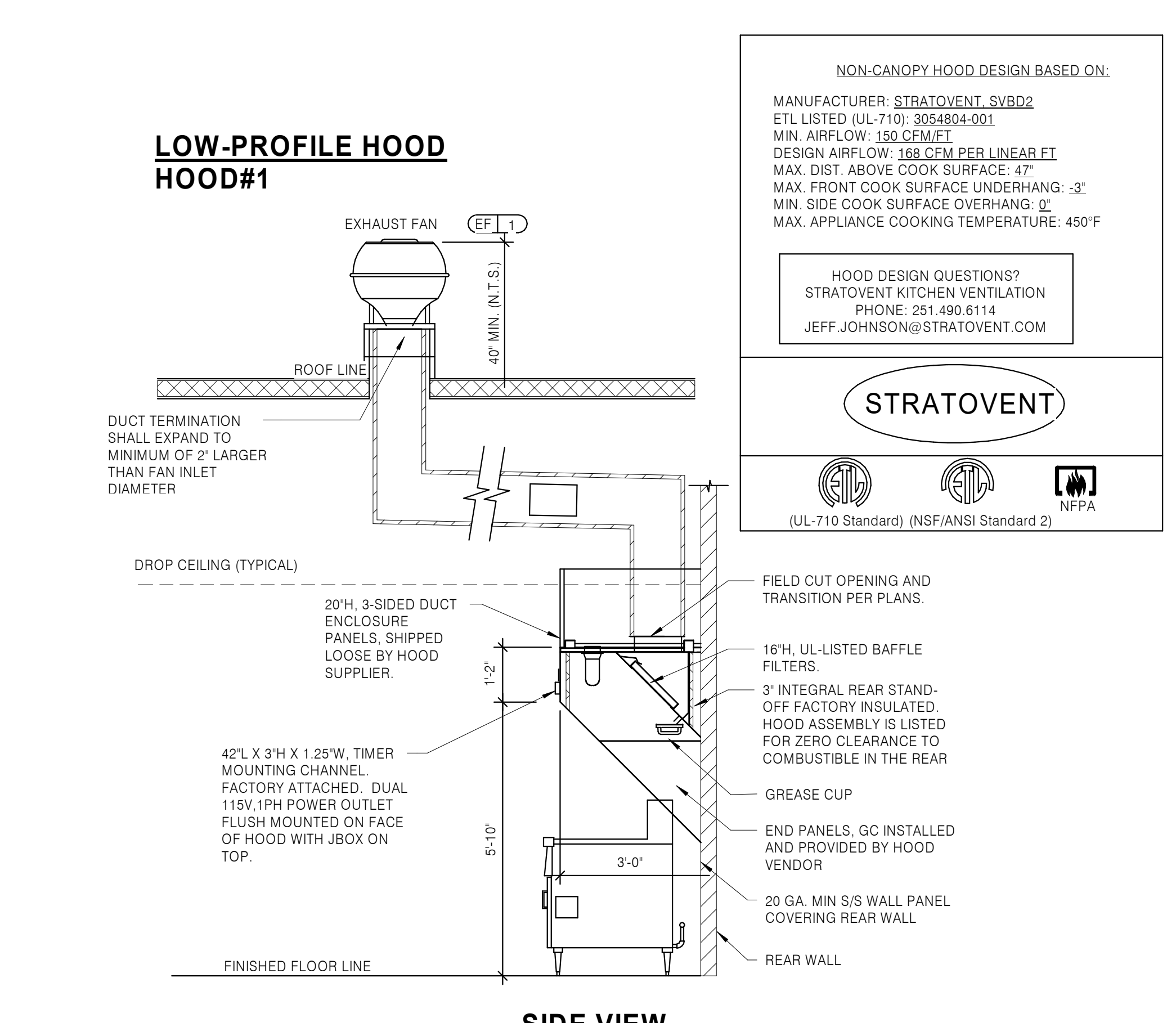
TACO BELL HOOD DETAIL NTS 2



TACO BELL HOOD FIRE SUPPRESSION SYSTEM PLAN 12" = 1'-0" 6



HEAT SENSOR LOCATION 12" = 1'-0" 3



TACO BELL HOOD SECTION 12" = 1'-0" 1

FOR REFERENCE ONLY

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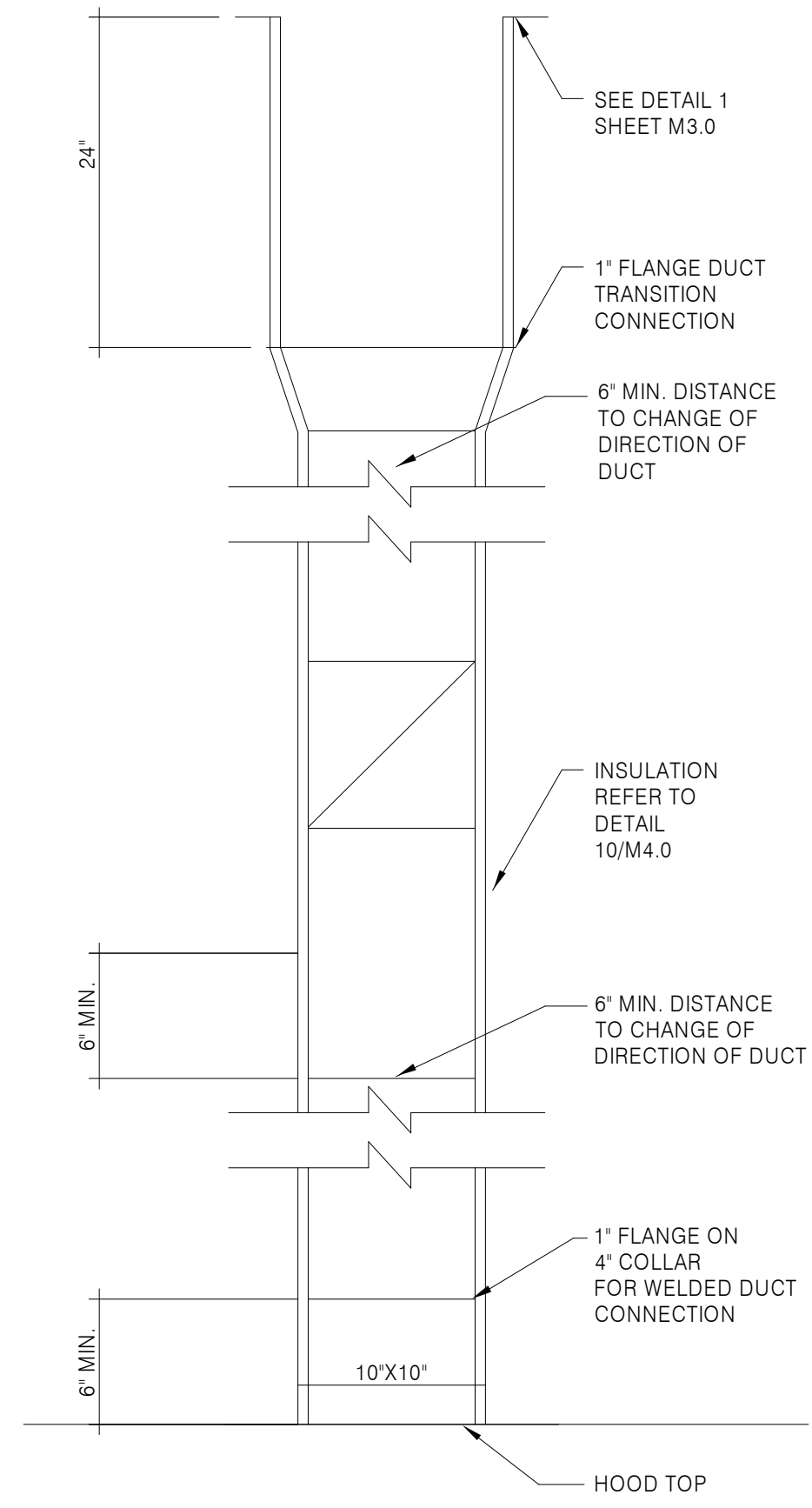
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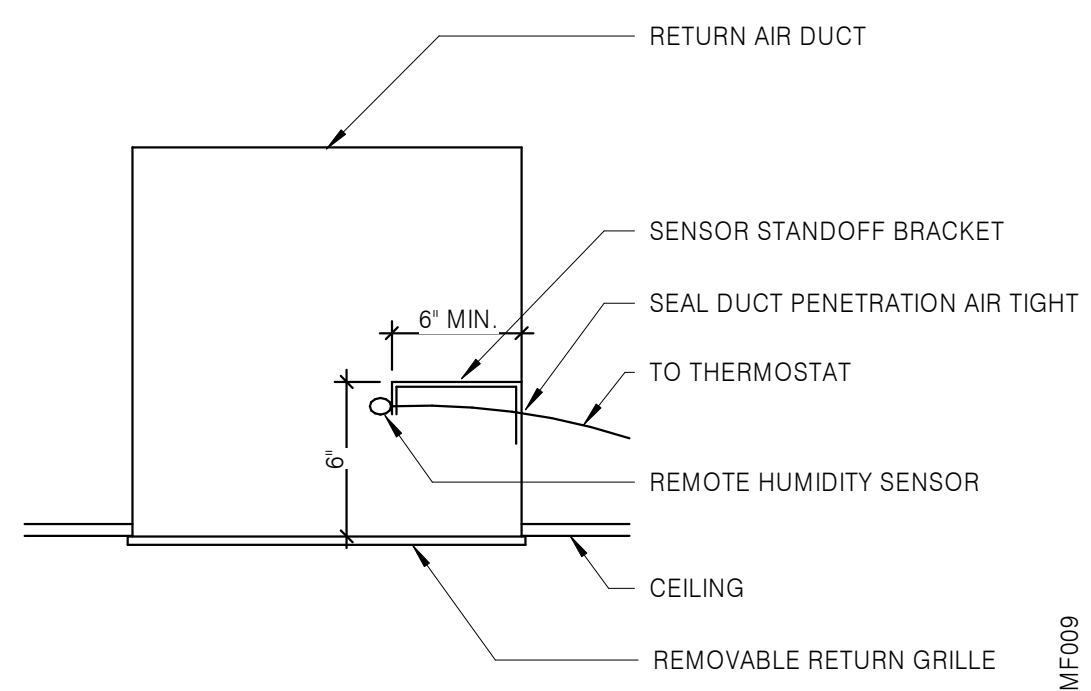
**HOOD DRAWINGS
 PLANS AND
 SECTIONS**

M3.0

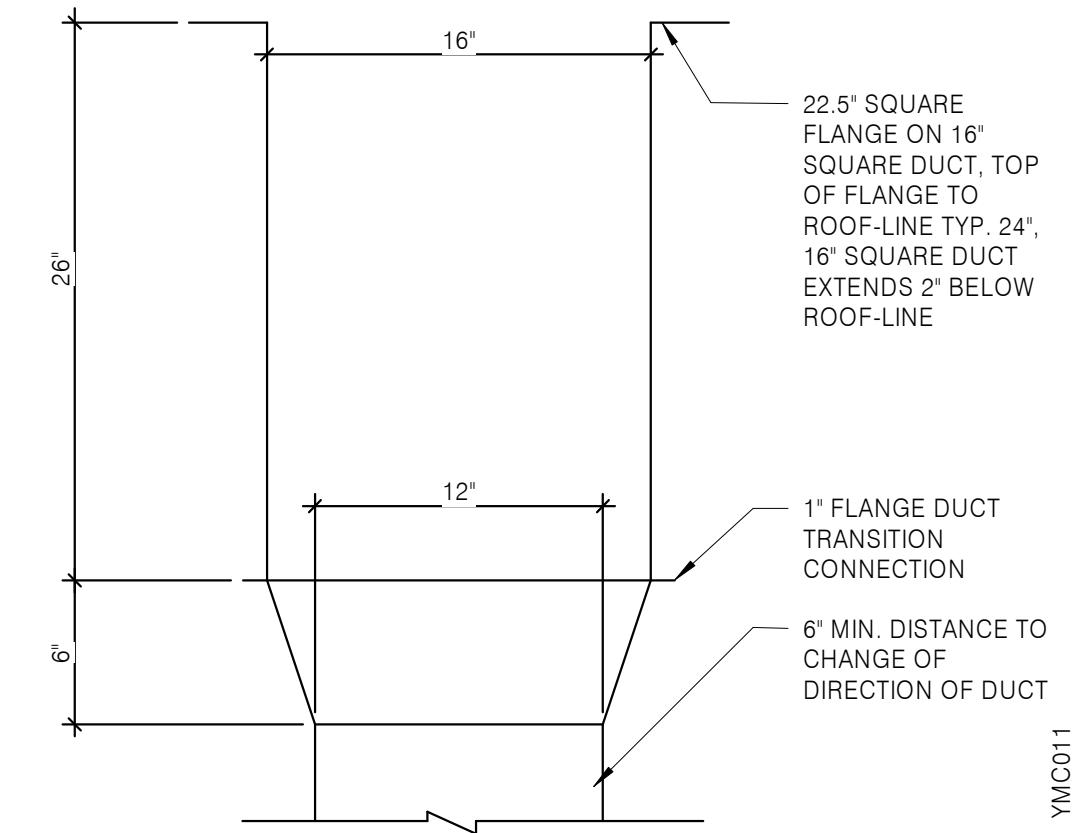
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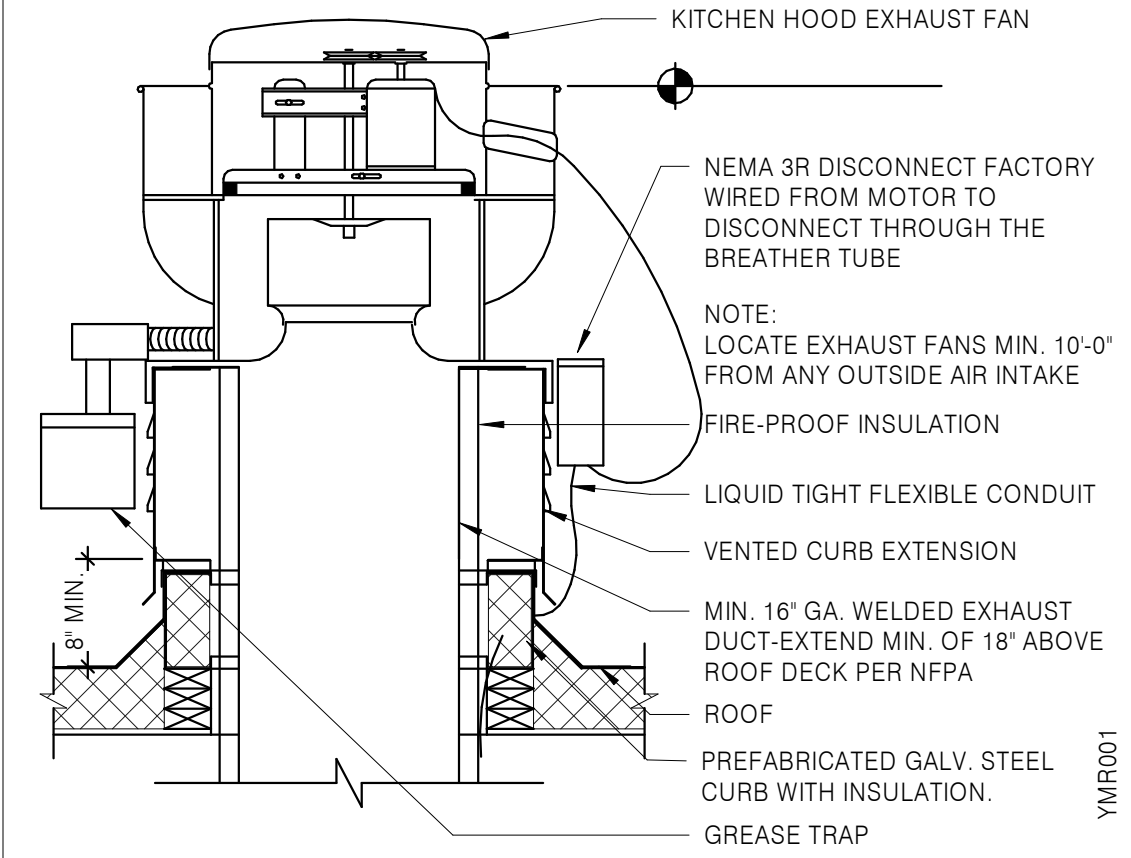
TB HOOD DUCT TRANSITION NTS **11**



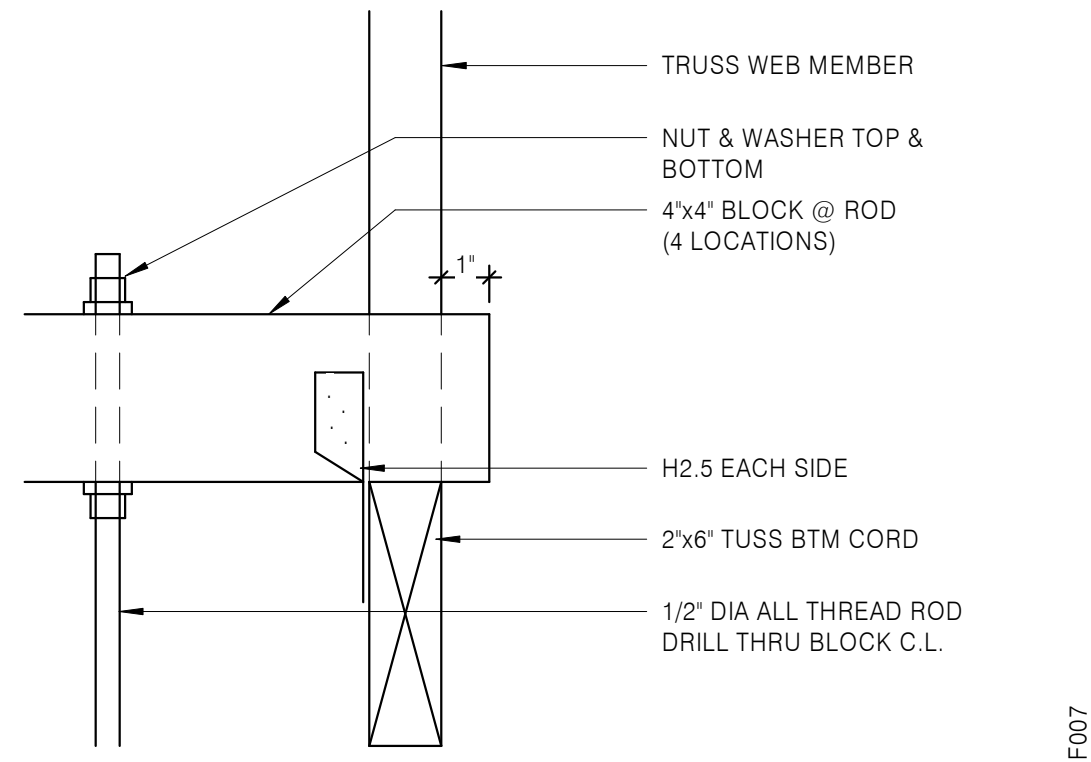
REMOTE HUMIDITY SENSOR NTS



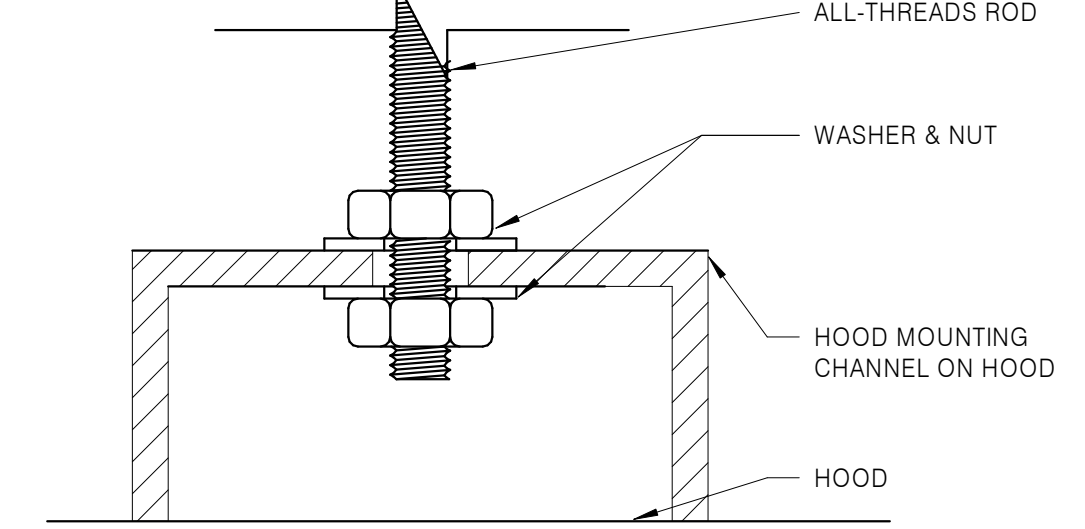
OVEN HOOD EXH. DUCT TRANSITION NTS **6**



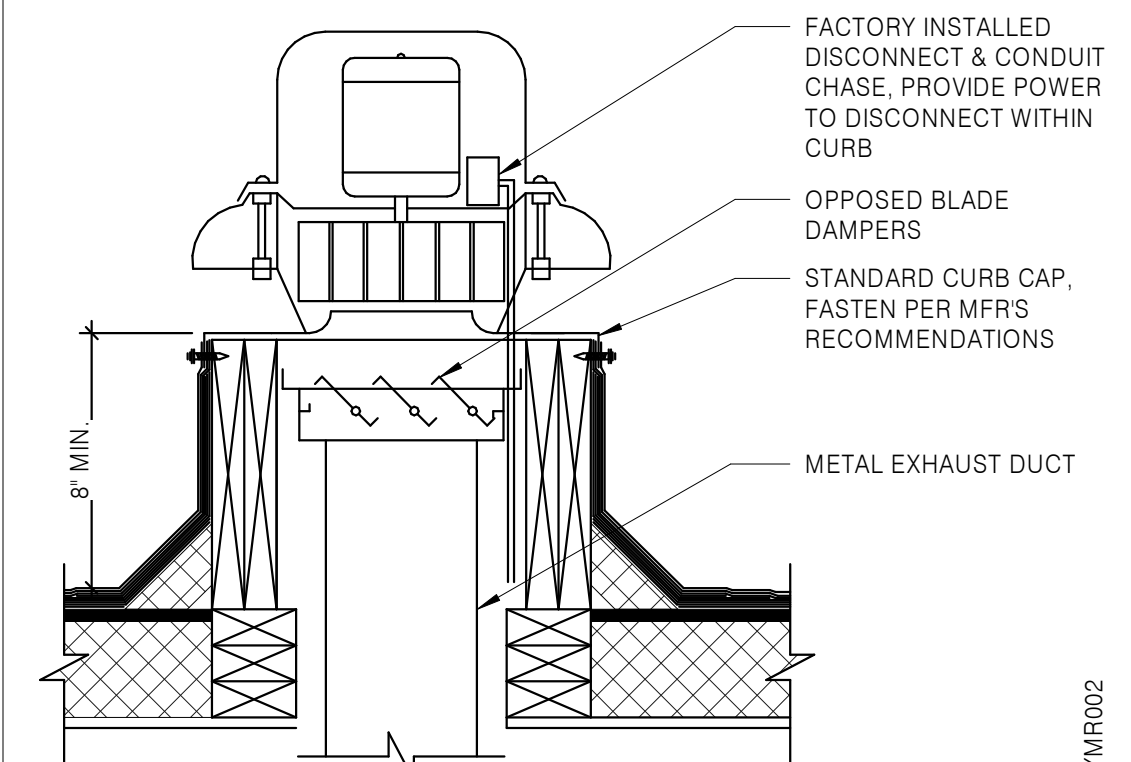
EXHAUST FAN (EF-1) NTS **3**



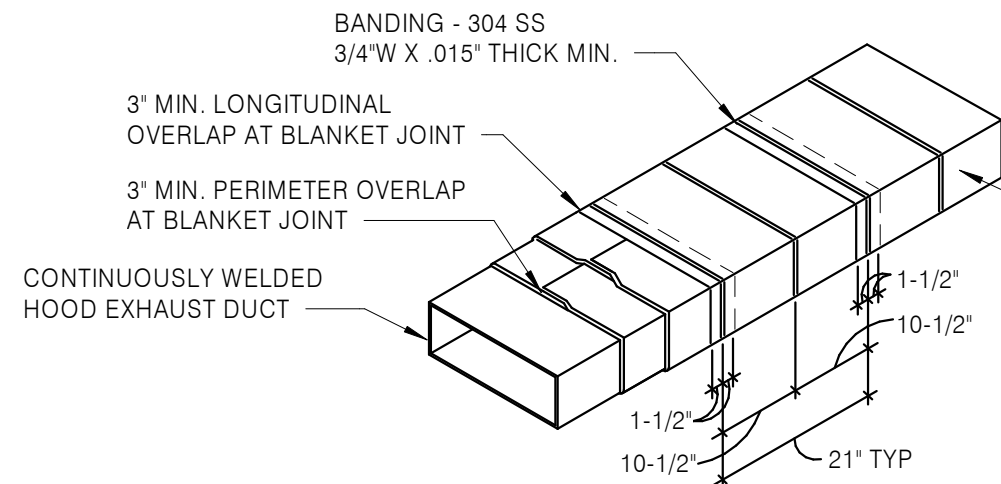
ROD ATTACHMENT NTS **7**



BOLT CONNECTION TO HOOD NTS **5**

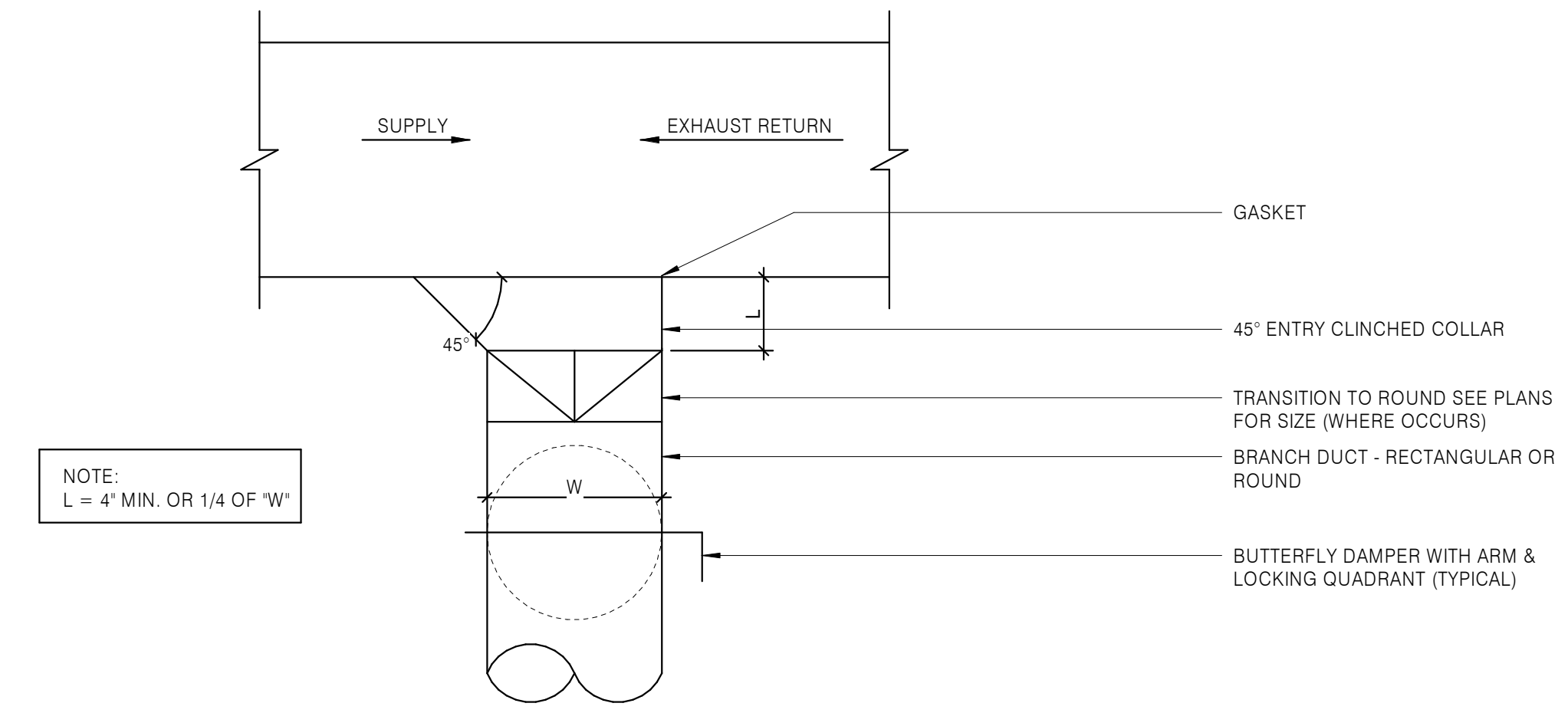


RESTROOM FAN (EF-2) NTS **2**

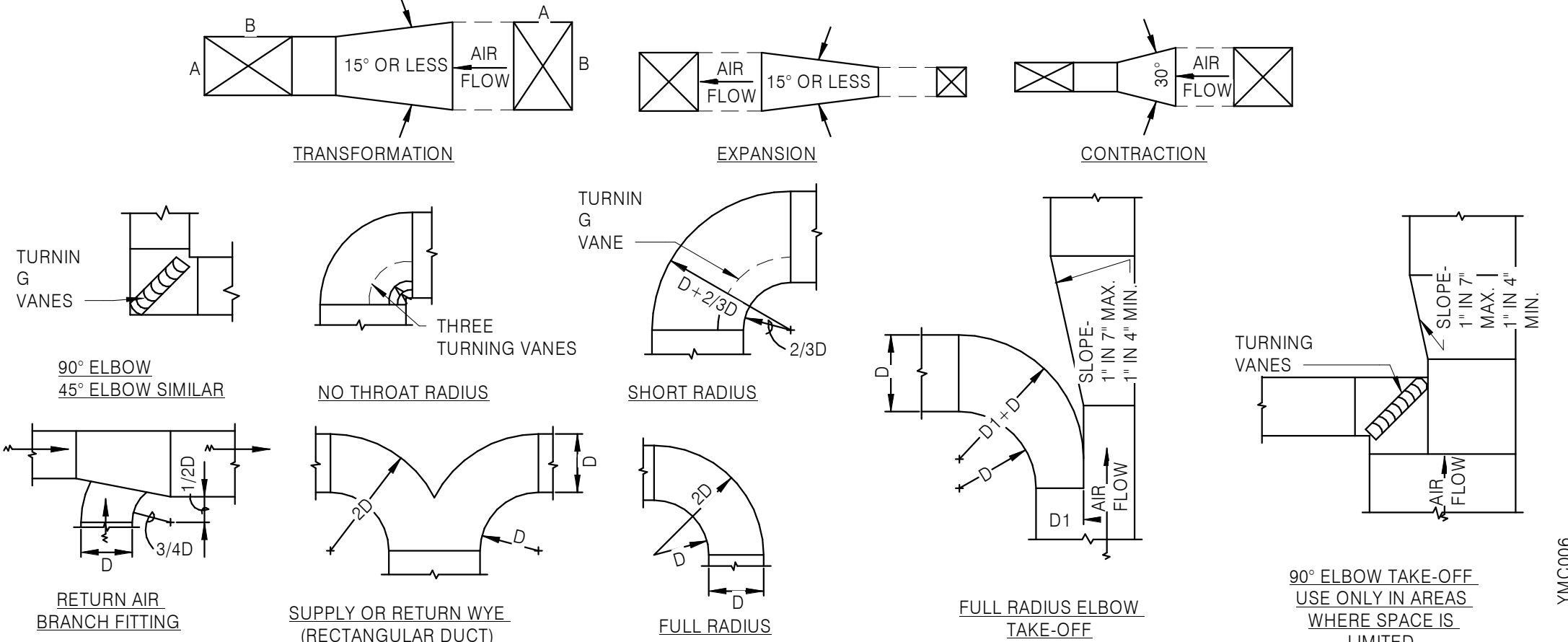


- NOTES:**
1. WRAP GREASE DUCT CONTINUOUS AS SHOWN FROM CONNECTION AT FAN THROUGH CURB AND EXTEND 18" MIN. BELOW ROOF DECK.
 2. FOR HORIZONTAL RUNS OF EXHAUST DUCTS PROVIDE TYPICAL TRAPEZE SUPPORT SYSTEM WITH 1/2" HANGER RODS A MAXIMUM OF 6' FROM INSULATION EDGE. TRAPEZE SUPPORTS SHALL BE SPACED A MAXIMUM OF 60" ON CENTER FROM CENTERLINE OF VERTICAL EXHAUST DUCT.
 3. SLOPE HORIZONTAL EXHAUST DUCT RUNS A MINIMUM OF 1/4" PER FOOT (2% SLOPE) TOWARDS EXHAUST HOOD.
 4. PROVIDE INSULATED ACCESS DOOR OR PANEL NEAR MID POINT OF EXHAUST DUCT RUN FOR CLEANING AND INSPECTION OF DUCT. PROVIDE AN APPROVED SIGN ON ACCESS DOOR OR PANEL WHICH READS "ACCESS PANEL DO NOT OBSTRUCT"

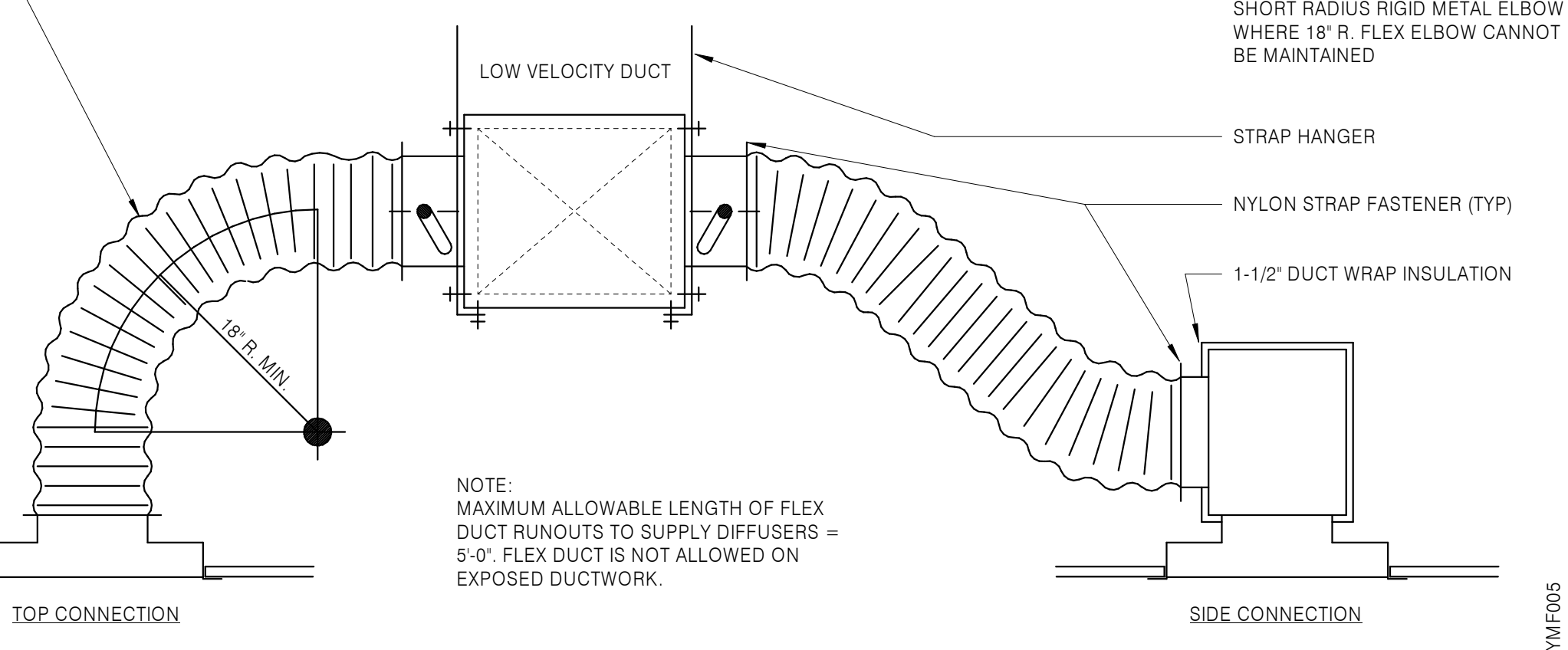
KITCHEN HOOD EXHAUST DUCT SYSTEM DETAIL NTS **10**



CEILING DIFFUSER CONNECTIONS NTS **4**



TYPICAL DUCTWORK DETAILS NTS **9**



DUCT SUPPORT DETAIL NTS **1**

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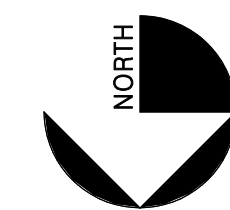
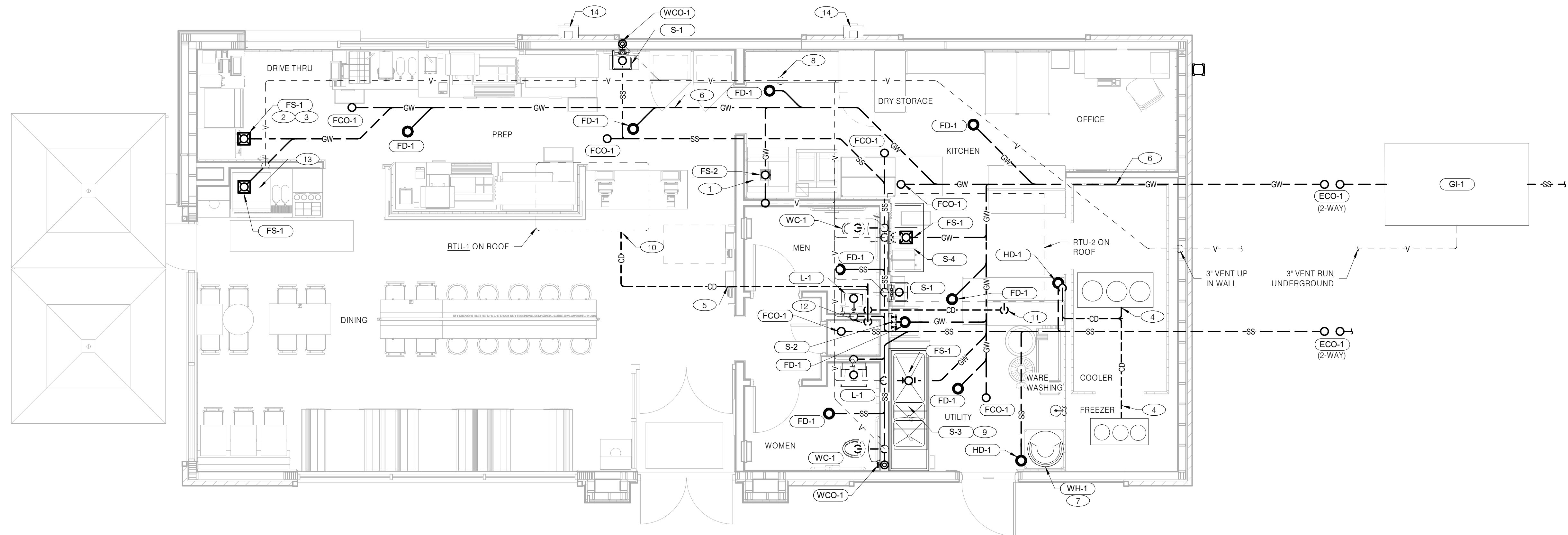
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MECHANICAL AND HOOD DETAILS

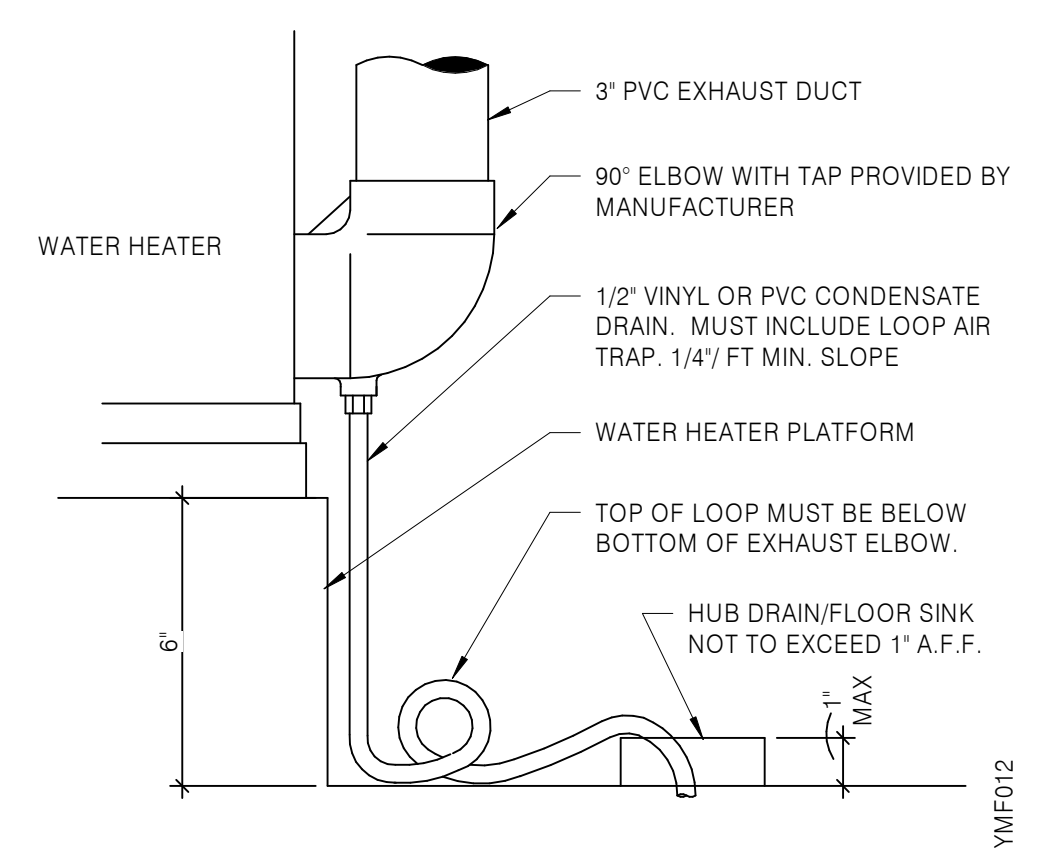
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WASTE & VENT PIPING PLAN 1/4" = 1'-0" **A**



WATER HEATER CONDENSATE DETAIL NTS **D**

- A. NO ROOF PENETRATIONS PERMITTED WITHIN ROOF WATER PLY. REFER TO ROOF PLAN FOR LOCATIONS.
B. REFER TO RISER DIAGRAM ON SHEET P5.0 FOR ALL WASTE AND VENT SIZES.
C. SEE ARCHITECTURAL PLANS FOR DOWNSPOUT LOCATIONS
D. VERIFY WITH THE LOCAL BUILDING AUTHORITY THAT CONDENSATE DRAINAGE CAN BE ROUTED TO THE MOP SINK.

WASTE & VENT PLAN NOTES NTS **C**

- 1 UNDERGROUND SANITARY PIPE SHALL BE NO HUB CAST IRON PIPE FOR THE FIRST 10 FEET FROM CONNECTION TO FLOOR SINK FS-2, OUTWARD.
2 PROVIDE CONDENSATE LINE AND DRAIN LINE FROM ICE MACHINE TO HD / FS, PROVIDE AIR GAP PER LOCAL CODE. SEE 8/P6.0.
3 PROVIDE WASTE LINES FROM BEVERAGE UNIT TO HD / FS, PROVIDE AIR GAP PER LOCAL CODE. SEE 8/P6.0.
4 PROVIDE 3/4" COPPER CONDENSATE FROM DRAIN PROVIDED BY VENDOR TO OUTFALL AT HUB DRAIN (HEAT ROPE IS SUPPLIED WITH FREEZER CONDENSATE). PROVIDE WITH PROPER AIR GAP. PROVIDE WITH CLEANOUTS AT EVERY 90 DEG. CHANGE IN DIRECTION. CONCEAL CONDENSATE PIPE IN WALL.
5 PVC OR COPPER CONDENSATE DRAIN FROM HVAC UNITS ON ROOF, RUN TO MOP SINK. PROVIDE WITH CLEANOUTS AT EVERY 90 DEG. CHANGE IN DIRECTION. PIPING SHALL SLOPE 1/4" PER FOOT AND SHALL BE INSULATED WITH 1" CLOSED CELLULAR INSULATION.
6 ENTIRE RUN OF DRAIN LINES TO INLET OF EXTERIOR GREASE INTERCEPTOR AND OUTBOUND FROM INTERCEPTOR TO CONNECTION AT SANITARY MAIN SHALL BE SCHEDULE 40 PVC DWV OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
7 ROUTE INDIRECT WASTE FROM WH-1 TO HD-1. REFERENCE DETAIL 2/P6.0 AND DETAIL 4/P2.0.
8 4" VENT UP THROUGH ROOF.
9 PIPE 3-COMPARTMENT SINK TO FLOOR SINK WITH AIR GAP PER CODE.
10 1" CONDENSATE DRAIN DOWN FROM RTU-1. SEE DETAIL 10/P6.0.
11 1" CONDENSATE DRAIN DOWN FROM RTU-2. SEE DETAIL 10/P6.0.
12 1-1/2" CONDENSATE DRAIN PIPE DOWN TO MOP SINK. PROVIDE AIR GAP AS REQUIRED BY CODE. IF REQUIRED RUN CONDENSATE PIPING TO EXTERIOR DRYWELL, RETENTION AREA OR STORM SEWER AS DIRECTED BY THE AUTHORITY HAVING JURISDICTION.
13 RUN DRAIN LINE FROM S/S DRINK MACHINE TO FLOOR SINK WITH APPROVED AIR GAP.
14 DOWN SPOUT, SEE CIVIL PLANS FOR CONTINUATION.

KEYNOTES - WASTE AND VENT NTS **B**

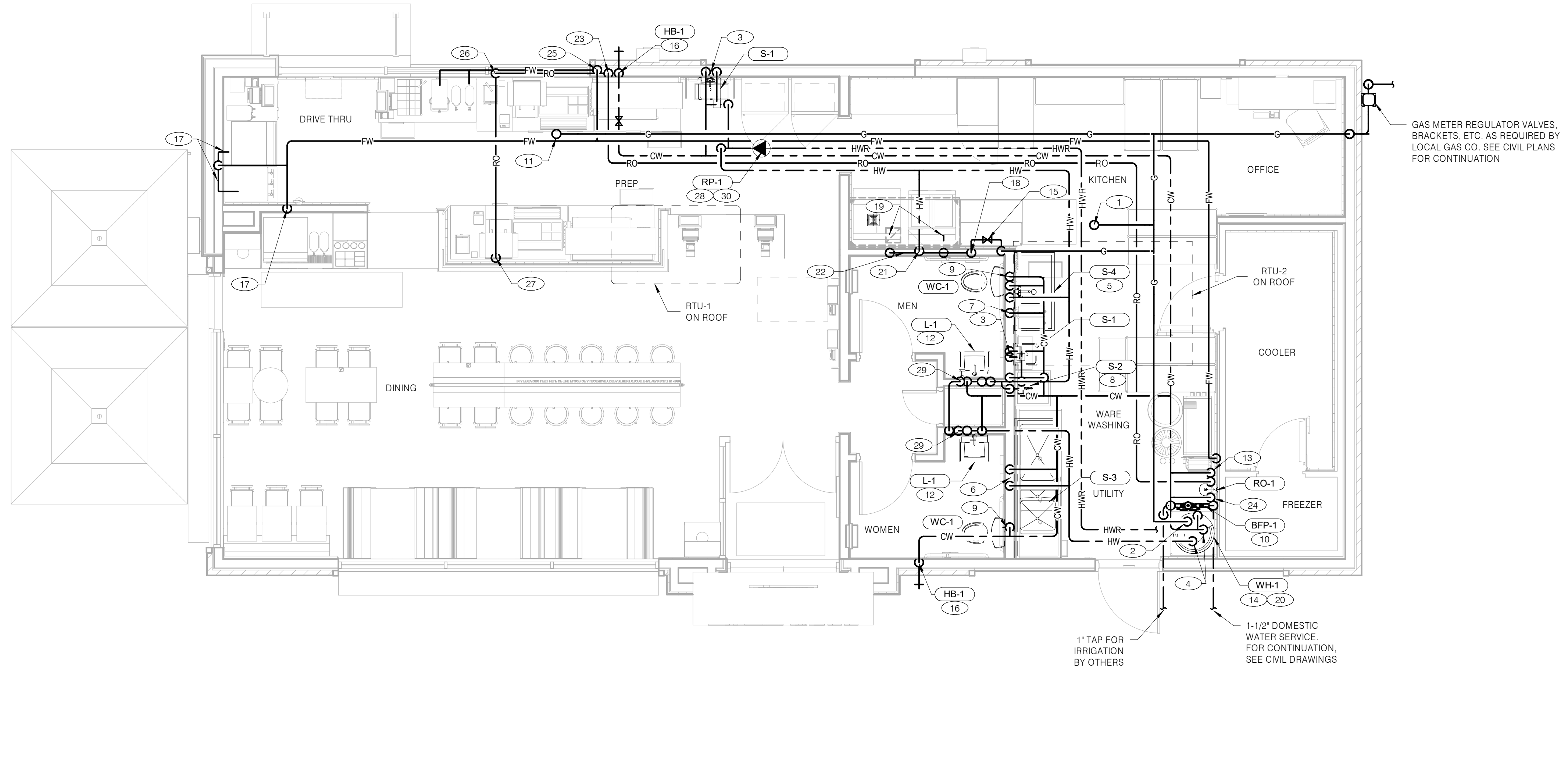
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WASTE AND VENT PLAN

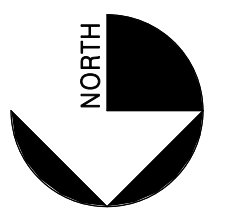
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GAS METER REGULATOR VALVES, BRACKETS, ETC. AS REQUIRED BY LOCAL GAS CO. SEE CIVIL PLANS FOR CONTINUATION

1" TAP FOR IRRIGATION BY OTHERS
1-1/2" DOMESTIC WATER SERVICE, FOR CONTINUATION, SEE CIVIL DRAWINGS



WATER & GAS PLAN 1/4" = 1'-0" **A**

- A. WATER DISTRIBUTION PIPING IS SHOWN ABOVE FINISH CEILING. UNDER SLAB DISTRIBUTION ALLOWED AT CONTRACTOR OPTION. COORDINATE ALL DETAILS.
- B. NO ROOF PENETRATIONS PERMITTED WITHIN THE ROOF "WATER VALLEYS", REFER TO ROOF PLAN FOR LOCATIONS.
- C. REFER TO SHEET P4.0 FOR ROUGH-IN LOCATIONS.
- D. REFER TO SHEET P5.0 FOR WATER AND GAS ISOMETRIC DRAWINGS.
- E. FLUSH ALL WATER SUPPLY LINES OF ALL DEBRIS AND IMPURITIES PRIOR TO CONNECTING TO WATER FILTERS.
- F. PROVIDE REDUCED PRESSURE BACKFLOW TO SERVE CARBONATOR, DRAIN RELIEF TO FLOOR SINK WITH AIRGAP.

- 1 1-1/4" GAS UP TO RTU-2 WITH DIRT LEG, GAS COCK, UNION.
- 2 1" (120 CFH) GAS DOWN TO WATER HEATER WITH GAS COCK, DIRT LEG AND UNION.
- 3 1/2" TEMPERED AND COLD WATER DOWN IN WALL TO HAND SINK.
- 4 1-1/4" HOT AND 1-1/4" COLD WATER LINES DOWN TO WATER HEATER.
- 5 1/2" HOT AND COLD WATER LINES DOWN IN WALL TO PREP SINK.
- 6 1/2" COLD AND HOT WATER LINES DOWN IN WALL TO THREE COMPARTMENT SINK.
- 7 1/2" COLD WATER 2'-0" A.F.F. CONNECT TO WATER FILTER FOR HOT WATER SYSTEM P-452. PROVIDE SHUT-OFF VALVE PRIOR TO CONNECTION TO WATER FILTER.
- 8 1/2" COLD AND HOT WATER DOWN IN THE WALL TO THE MOP SINK.
- 9 3/4" CW DOWN IN WALL TO FLUSH TANK WATER CLOSET.
- 10 REDUCED PRESSURE BACKFLOW PREVENTER LOCATED PER LOCAL UTILITY REQ'S. PIPE RELIEF TO HUB DRAIN.
- 11 1" GAS UP TO RTU-1 WITH DIRT LEG, GAS COCK, UNION.
- 12 1/2" TEMPERED AND COLD WATER LINES TO SERVE LAVATORY.
- 13 3/4" CW DOWN ALONG WALL TO WATER FILTER S-286.
- 14 WATER HEATER (WH-1). PIPE CONDENSATE LINE, T&P DISCHARGE AND DRAIN PAN TO HUB DRAIN. SEE WATER HEATER DETAIL 2/P6.0.
- 15 EMERGENCY GAS SHUT OFF VALVE LOCATED BELOW CEILING.
- 16 3/4" CW DOWN IN WALL TO EXTERIOR HOSE BIBB.

- 17 BUNDLED SYRUP LINES AND FILTERED WATER LINES TO BEVERAGE DISPENSERS S-284 AND S-285, AND FILTERED WATER LINES TO FROZEN BEVERAGE DISPENSER S-739. SEE DRAWINGS A2.0, P5.0 AND 8/P6.0.
- 18 1-1/4" GAS DOWN IN WALL TO TACO BELL COOKING EQUIPMENT. VERTICAL GAS PIPING IN WALL SHALL NOT BE RIGIDLY SECURED AND ADEQUATE PIPE PROTECTION SHALL BE PROVIDED.
- 19 GAS DIRT LEG W/ GAS COCK TO COOKING EQUIPMENT. PROVIDE FLEXIBLE GAS HOSE KIT FOR CONNECTION TO COOKING EQUIPMENT.
- 20 3" PVC EXHAUST AND INTAKE FLUES FROM WATER HEATER, PIPE THROUGH ROOF AS RECOMMENDED BY MANUFACTURER TO LOCATIONS SHOWN ON SHEET M2.0. SEE DETAIL 2/P6.0.
- 21 1/2" HOT WATER DOWN IN WALL TO RETHERMALIZER C-107. PROVIDE SHUT-OFF VALVE OUTSIDE OF WALL FOR CONNECTION TO RETHERMALIZER.
- 22 RUN GAS PIPE 18" A.F.F. WITH DIRT LEGS FOR GAS HOSE KITS TO COOKING EQUIPMENT C-079 AND C-107.
- 23 1/4" RO WATER PIPE DOWN IN WALL AND ROUTED IN LOW WALL OF DRY PRODUCTION LINE. PROVIDE SHUT-OFF VALVE ON RO PIPING IN CEILING NEAR CHASE.
- 24 1/2" COLD WATER TO REVERSE OSMOSIS FILTER P-315 AND 1/2" FILTER WATER FROM REVERSE OSMOSIS FILTER. PROVIDE SHUT-OFF VALVE ON CW PIPE PRIOR TO CONNECTION TO FILTER.
- 25 1/2" FW WATER PIPE DOWN IN WALL AND ROUTED IN LOW WALL OF DRY PRODUCTION LINE TO BREWERS S-546 AND S-547 AND TEA BREWERS S-544. PROVIDE SHUT-OFF VALVE ON FW PIPING IN CEILING NEAR CHASE.
- 26 ROUTE 1/4" RO DOWN IN WALL BELOW SLAB FOR CHEESEMELTER.
- 27 1/4" RO UP FROM BELOW SLAB TO CHEESEMELTER. PROVIDE SHUT OFF VALVE.

- 28 CONTRACTOR SHALL PROVIDE CONTROLS THAT START PUMP BASED ON THE IDENTIFICATION OF DEMAND FOR HOT WATER WITHIN THE TENANT SPACE. THE CONTROLS SHALL AUTOMATICALLY TURN THE PUMP OFF WHEN THE WATER IN THE CIRCULATION LOOP IS AT THE DESIRED TEMPERATURE AND WHEN THERE IS NO DEMAND FOR HOT WATER. PER 2015 IECC 404.6.1.
- 29 CONTRACTOR SHALL ROUTE HOT WATER PIPING DOWN IN WALL AS SHOWN. THE LENGTH OF THE FIXTURE SUPPLY PIPE FROM THE HOT WATER SUPPLY PIPE TO THE TERMINATION OF THE FIXTURE SUPPLY PIPE SHALL BE A MAXIMUM OF 2 FEET, PER 2015 IECC 404.5.1.
- 30 CONTRACTOR SHALL PROVIDE HOT WATER RECIRC. LINE WITH SHUT OFF VALVES AND CHECK VALVE AS REQUIRED.

WATER & GAS PLAN NOTES NTS **C**

KEYNOTES - WATER AND GAS NTS **B**

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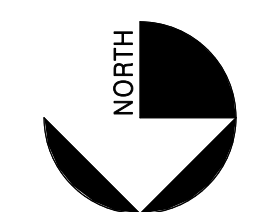
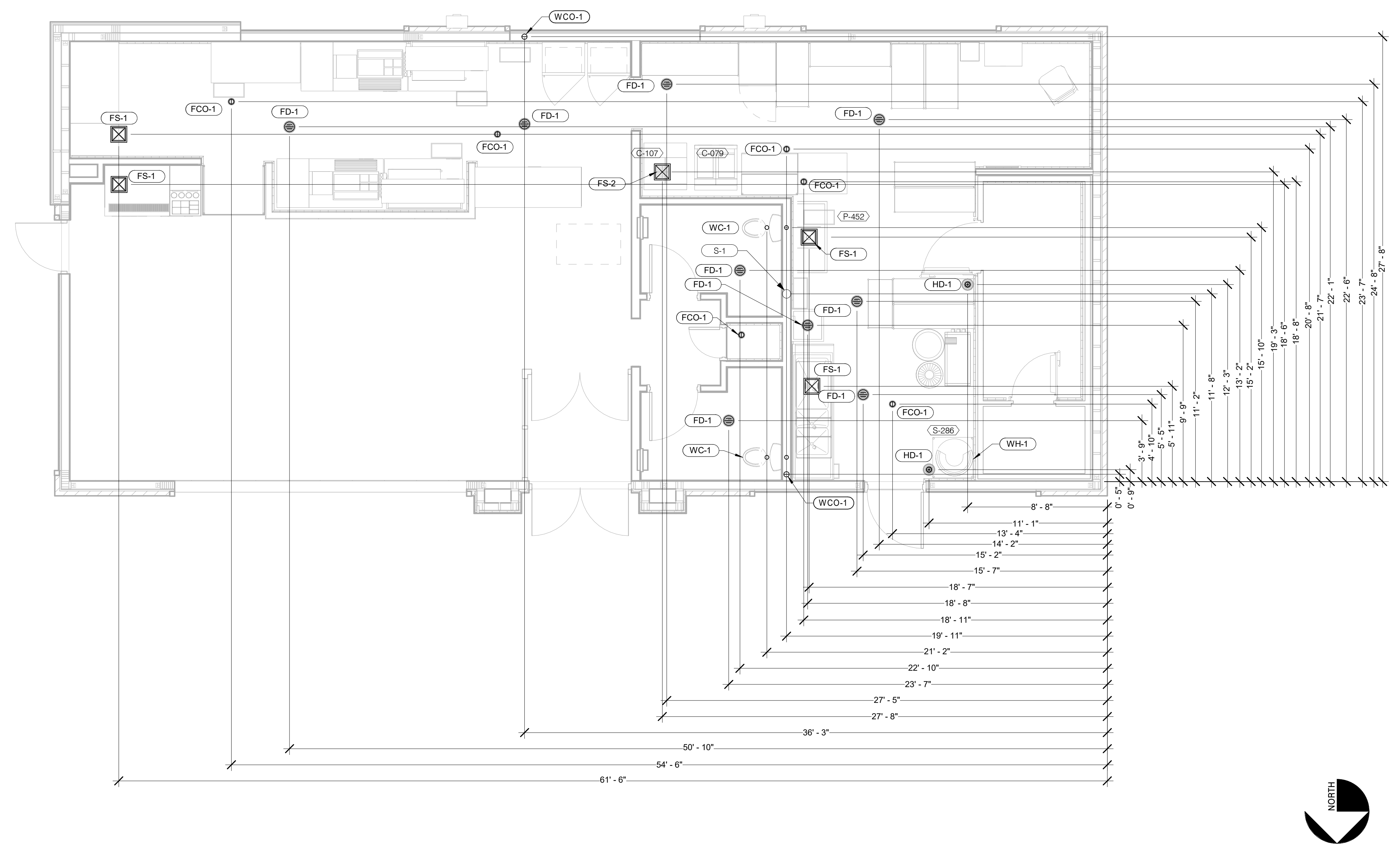


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WATER AND GAS PLAN

P3.0

PLOT DATE: 8/21/2019 2:43:00 PM



08.21.19	Issued for Construction

PLUMBING ROUGH-IN PLAN 1/4" = 1'-0" **A**

EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS	EQUIP #	EQUIPMENT ITEM	TYPE	ELEVATION	REMARKS
FS-1	FLOOR SINK		--		S-3	3-COMPARTMENT SINK FAUCET	CW/HW	+38" A.F.F.	--
FS-2	FLOOR SINK			EPOXY COATED CAST IRON	S-4	PREP SINK	W	+19" A.F.F.	--
HD-1	HUB DRAIN		--		S-4	PREP SINK FAUCET	CW/HW	+38" A.F.F.	--
WH-1	WATER HEATER	CW	--		WCO-1	WALL CLEAN OUT		--	--
WH-1	WATER HEATER	G	+15" A.F.F.	--	FCO-1	FLOOR CLEAN OUT		--	--
WC-1	WATER CLOSET FLUSH VALVE	CW	+29" A.F.F.	BOTH HANDICAP AND REGULAR	HB-1	HOSE BIB		--	--
L-1	LAVATORY	TW	+20" A.F.F.	--	C-107	REITHERMALIZER	HW	+8" A.F.F.	--
L-1	LAVATORY WASTE LINE	W	+16-1/2" A.F.F.	--	C-107	REITHERMALIZER	G	+12" A.F.F.	--
RO-1	REVERSE OSMOSIS	CW	+84" A.F.F.	--	C-079	DUAL VAT FRYER	G	+12" A.F.F.	--
S-1	HAND SINK	TW	+18" A.F.F.	RIM OF LAV @ +2'-8" A.F.F.	S-286	WATER FILTER SYSTEM	CW	+94" A.F.F.	INLET TO & OUTLET FROM FILTER
S-2	MOP SINK	W	-6" A.F.F.	RECESSED IN FLOOR	P-452	HOT WATER SYSTEM	CW	+24" A.F.F.	--
S-2	MOP SINK FAUCET	CW/HW	+36" A.F.F.	--					
S-2	MOP SINK FAUCET	CW/HW	+42" A.F.F.	CLOSET MOP SINK ONLY					
S-3	3-COMPARTMENT SINK	W	+19" A.F.F.	--					

PLUMBING ROUGH-IN SCHEDULE NTS **D**

- SYMBOL LEGEND** NTS **C**
- HOT WATER
 - COLD WATER
 - ◉ TEMPERED WATER
 - ⊞ GAS
 - ⊕ FLOOR DRAIN
 - ⊠ FLOOR SINK
 - ⊙ HUB DRAIN
 - ◆ WASTE OUTLET
 - ⊕ FLOOR CLEANOUT
 - ⊖ WALL CLEANOUT
 - FILTERED WATER
 - ◇ VENT UP FROM UNDER SLAB
 - WATER LINE THRU FLOOR

- PLUMBING ROUGH-IN NOTES** NTS **B**
- ALL DIMENSIONS TO FLOOR SINKS, FLOOR DRAINS AND HUB DRAINS ARE TO CENTER OF FIXTURE.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON THE LOCATION OF ALL PLUMBING ROUGH-INS WITH INFORMATION PROVIDED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS AND THE EQUIPMENT ACTUALLY SUPPLIED AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS INDICATED HEREIN.

CONTRACT DATE: 08.21.19
BUILDING GROUP: GROUND-UP
FLOOR PLAN: ME - T40
REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

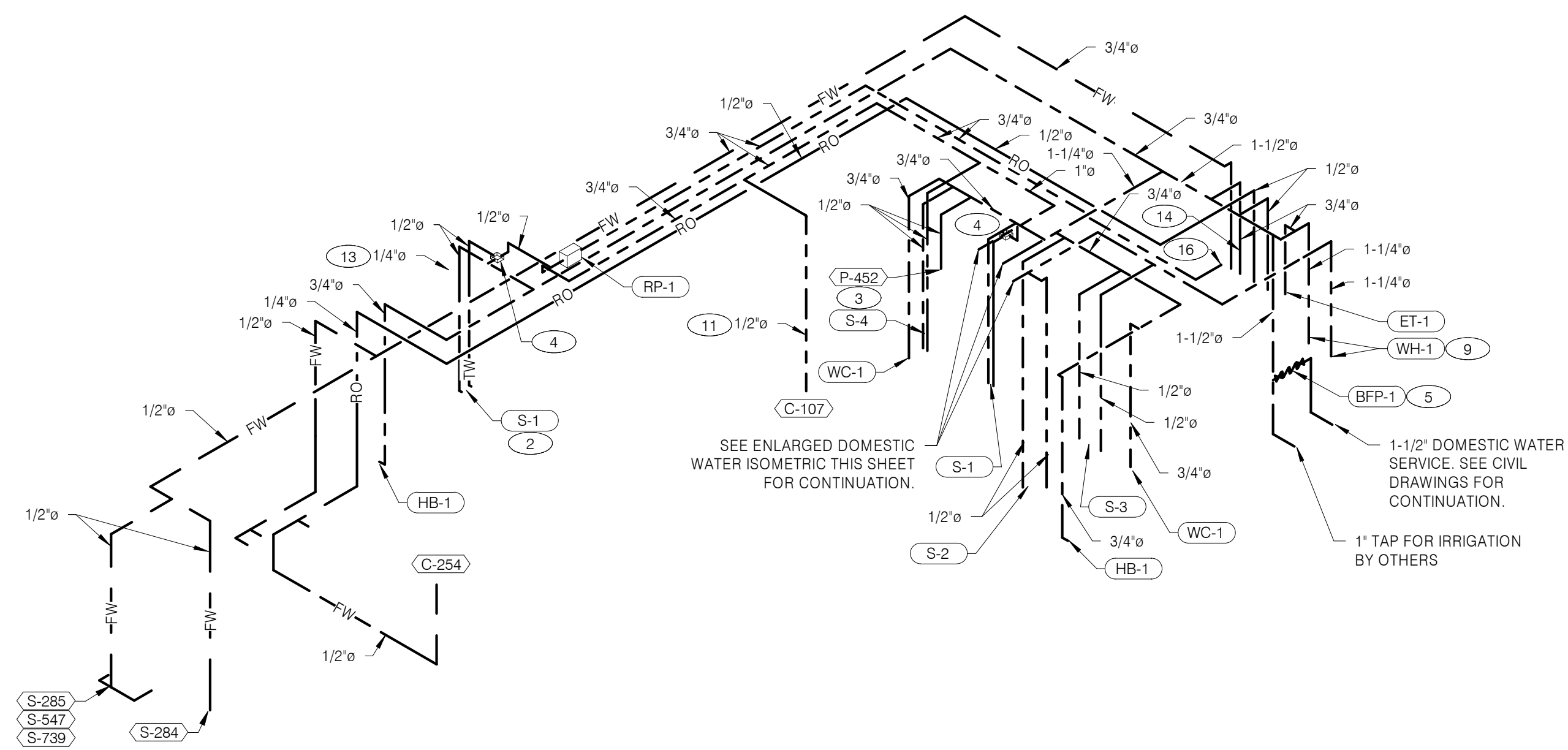
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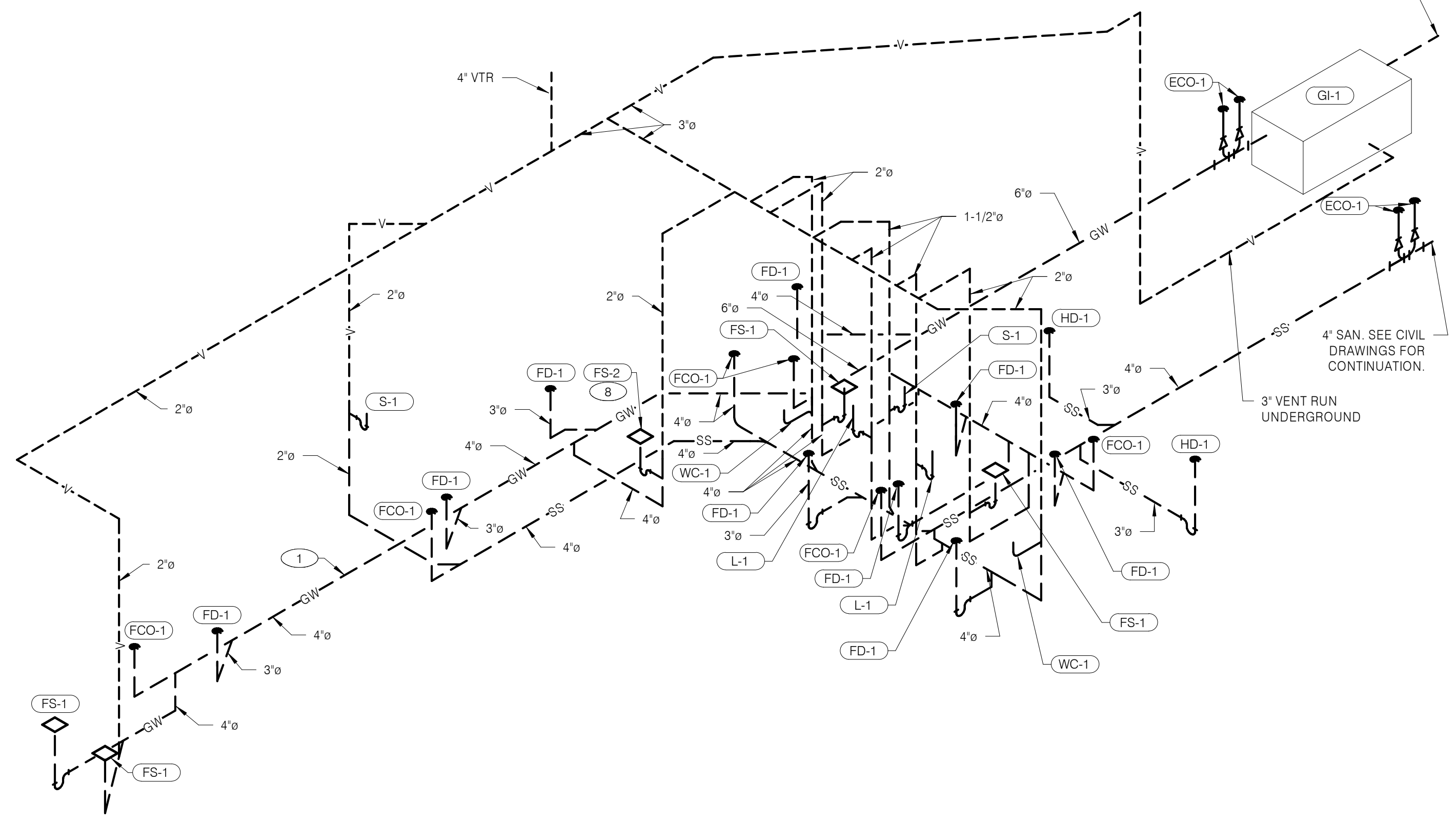
PLUMBING ROUGH-IN PLAN

P4.0

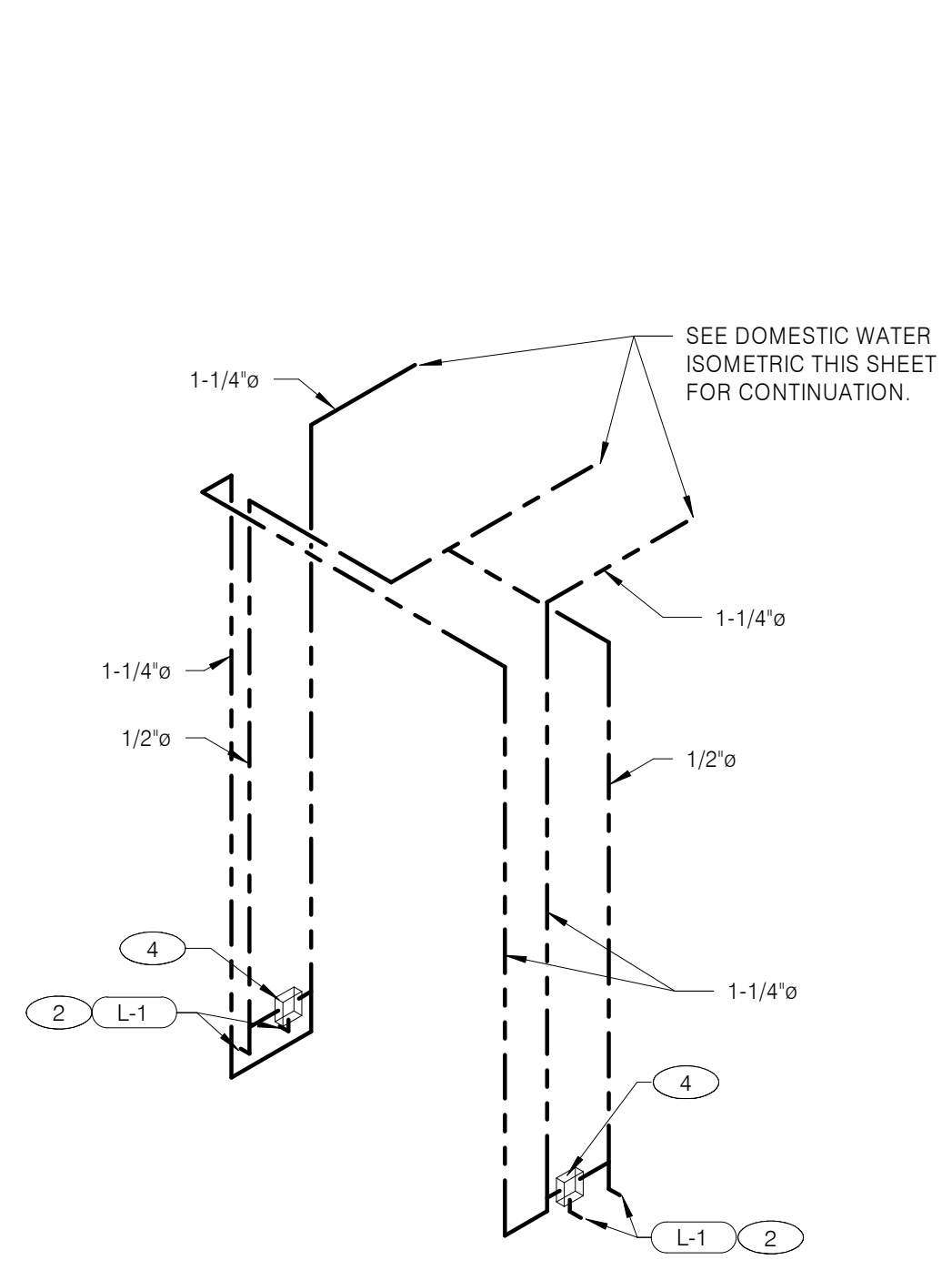
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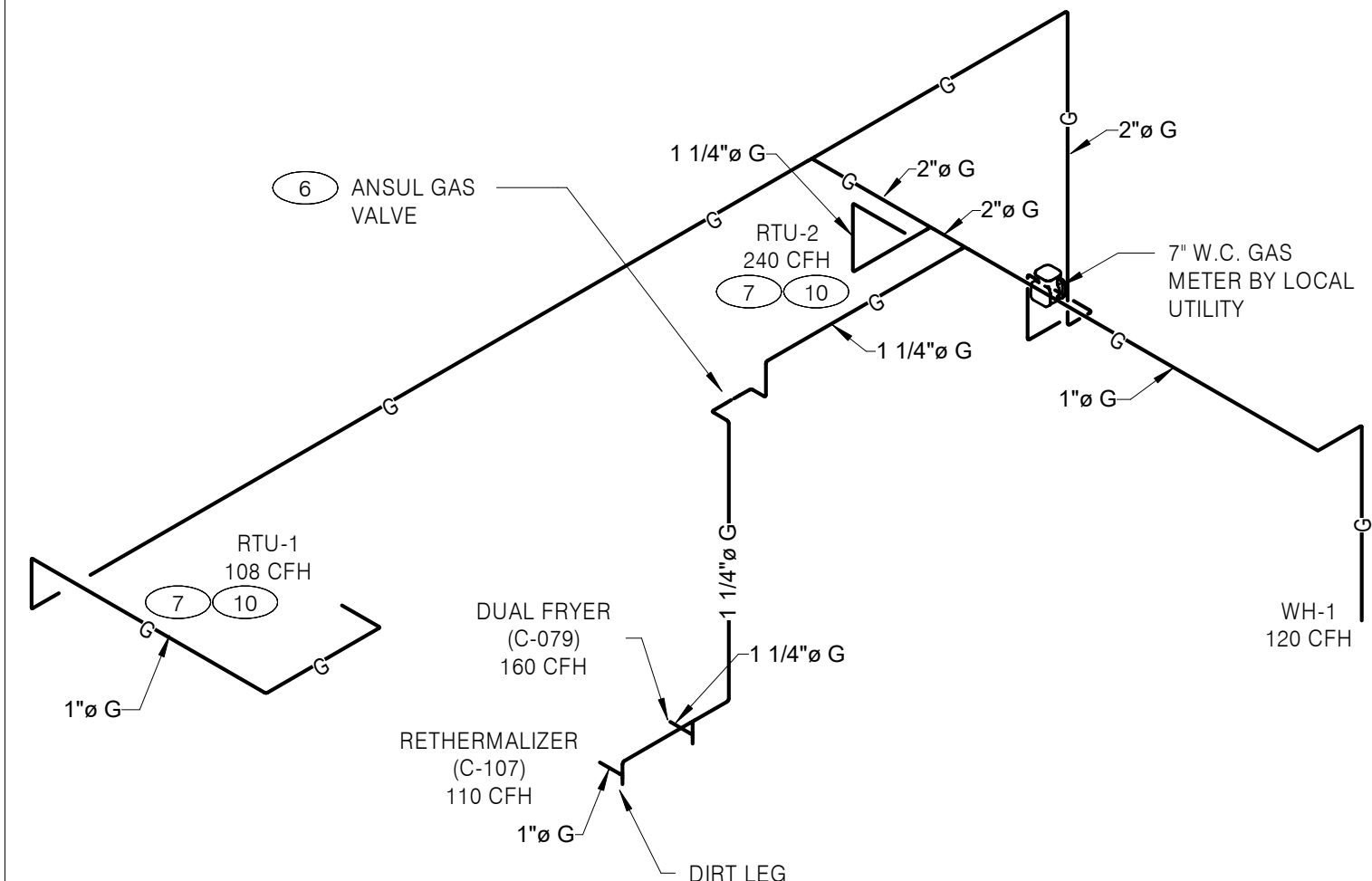
DOMESTIC WATER ISOMETRIC NTS **4**



SANITARY ISOMETRIC NTS **1**



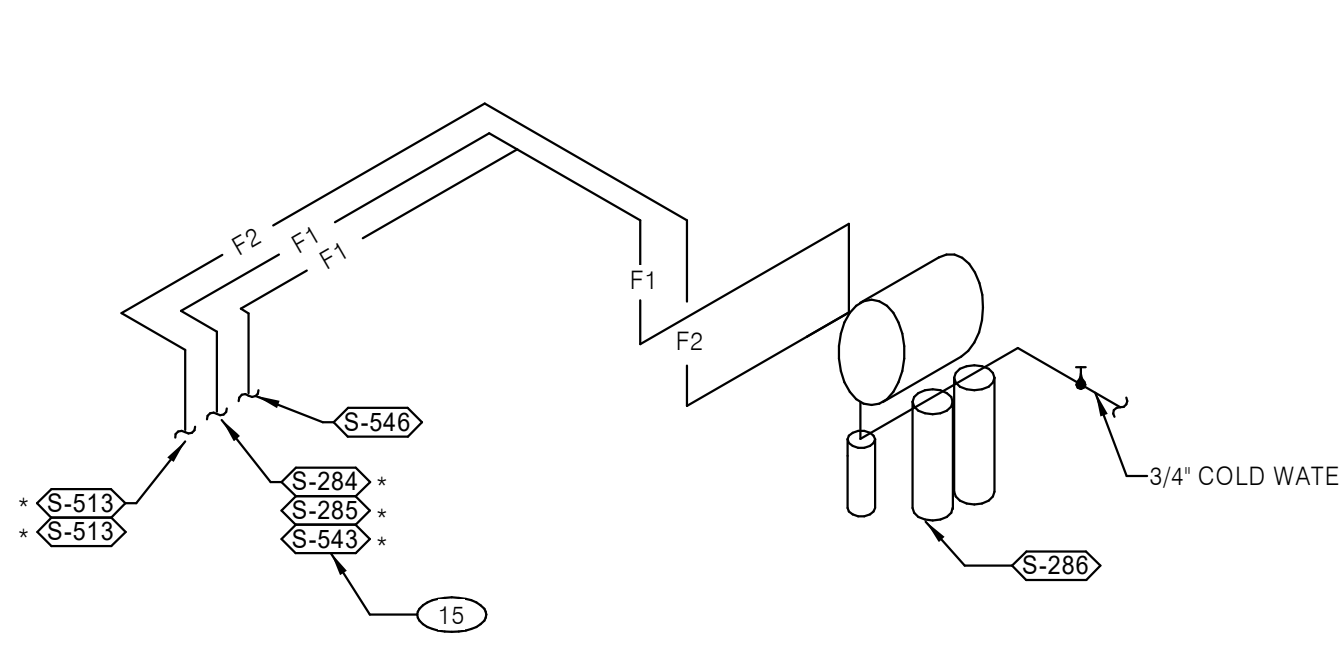
ENLARGED DOMESTIC WATER ISOMETRIC NTS **6**



GAS DEMAND SCHEDULE	
RTU-1	108 CFH
RTU-2	240 CFH
WH-1	120 CFH
DUAL FRYER	160 CFH
RETHEMALIZER	110 CFH
TOTAL DEMAND	738.0 CFH = 738,000 BTUH

NOTES:
COORDINATE GAS DEMAND REQUIREMENTS WITH SITE-SPECIFIC RTU DESIGN.
PIPE SIZE BASED ON 100' OF PIPE AND 7\"/>

GAS ISOMETRIC NTS **5**



- FILTERED EQUIPMENT AND LINES:**
 S-286 - WATER FILTER
- FILTERED LINE (COLD WATER)**
 S-513 - ICE MAKER - ABOVE SELF-SERVE BEVERAGE DISPENSER *
 S-514 - ICE MAKER - ABOVE DRIVE-THRU BEVERAGE DISPENSER *
 S-285 - DRIVE-THRU BEVERAGE DISPENSER *
 S-284 - SELF-SERVE BEVERAGE DISPENSER *
 S-546 - ICED TEA BREWER
 S-739 - FROZEN BEVERAGE DISPENSER
- * FILTERED WATER SUPPLIED VIA SYRUP BUNDLE. REFER TO 11/P6.0. SEE SCOPE OF WORK FOR RESPONSIBILITIES.

FILTERED WATER ISOMETRIC NTS **2**

- 1 ENTIRE RUN OF DRAIN LINES ON INLET TO GREASE TRAP SHALL BE SCHEDULE 40 PVC OR NO HUB CAST IRON AS REQUIRED BY CODE.
- 2 1/2\"/>

KEYNOTES - ISOMETRICS NTS **3**

Date	Description
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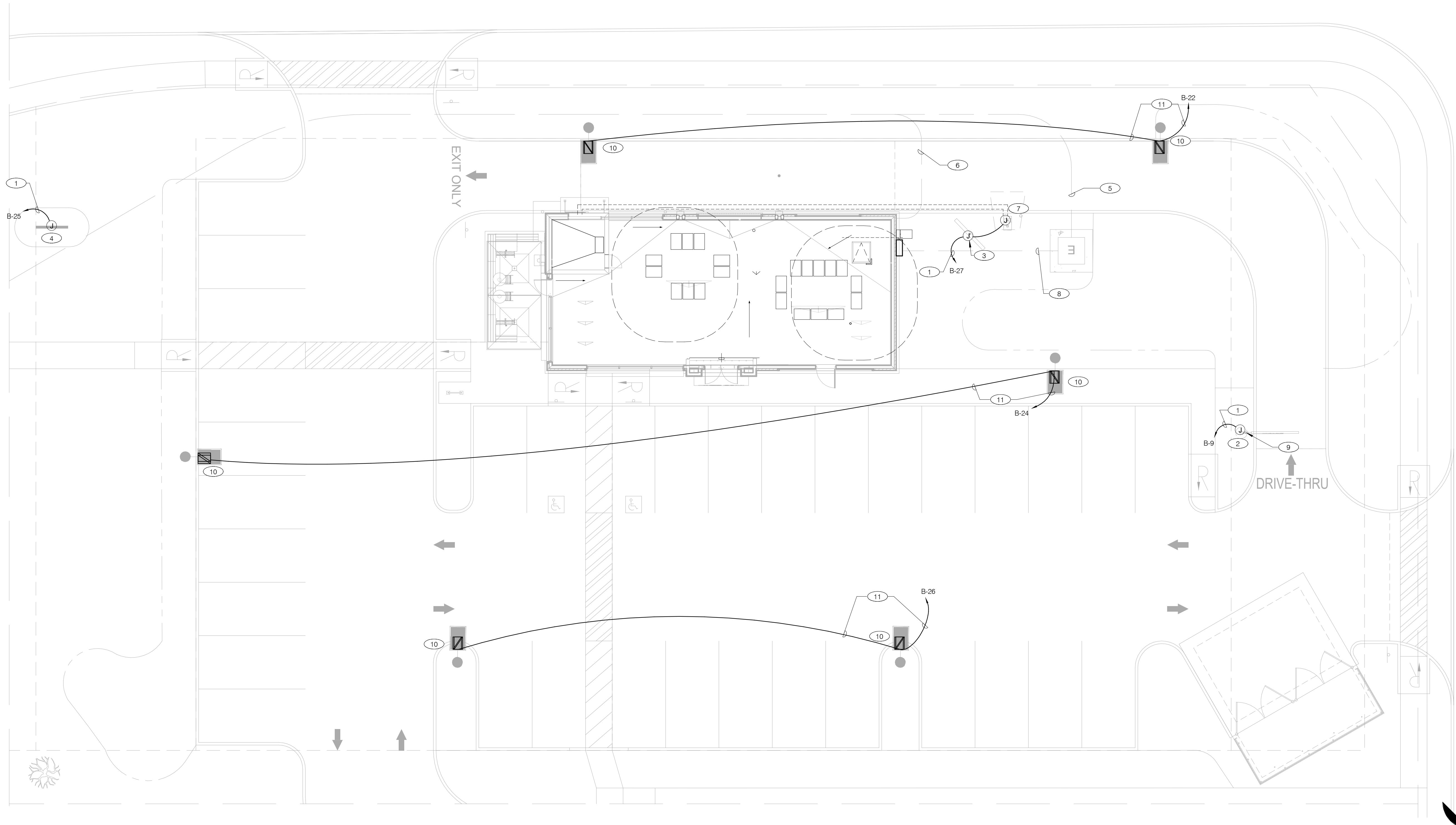
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RISER DIAGRAMS

P5.0



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T40

SITE ELECTRICAL PLAN

E1.0

PLOT DATE: 8/21/2019 2:41:13 PM

ELECTRICAL SITE PLAN NTS **1**

- 1 3/4" C. - 2 #10, #10 GRD. (TYP. FOR ENTIRE CIRCUIT.)
- 2 PROVIDE CONNECTION TO ORDER CANOPY ON SAME CIRCUIT AS MENU BOARD AND CLEARANCE BAR. REFER TO DETAIL 3/E7.0.
- 3 MENU BOARD. REFER TO DETAIL 3/E7.0.
- 4 LED PYLON SIGN.
- 5 UNDERGROUND ELECTRIC SERVICE TO UTILITY CO. TRANSFORMER. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL PRIMARY CONDUIT AND TRANSFORMER PAD REQUIREMENTS WITH UTILITY CO.
- 6 UNDERGROUND TELEPHONE SERVICE. REFER TO CIVIL SHEETS FOR LOCATION AND ROUTING. VERIFY AND COORDINATE ALL REQUIREMENTS WITH UTILITY CO.
- 7 ORDER CONFIRMATION BOARD/ SPEAKER POST.
- 8 UNDERGROUND SECONDARY ELECTRICAL SERVICE. REFER TO SINGLE LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZES.
- 9 ILLUMINATED CLEARANCE BAR.
- 10 SITE LIGHTING. REFER TO E4.0 FOR SCHEDULE.
- 11 1" C. - 3 #8, #8 GND.

KEY NOTES - SITE ELECTRICAL PLAN NTS **B**

NATIONAL ACCOUNTS: SWITCHGEAR
SUPPLY and INSTALL STANDARD PACKAGE

CORPORATE AND FRANCHISE DEVELOPMENT

YUM NATIONAL ACCOUNT AGREEMENT IS WITH SQUARE-D FOR ELECTRICAL SWITCHGEAR EQUIPMENT FOR COMPANY AND FRANCHISE DEVELOPMENT. CUTLER-HAMMER ELECTRICAL SWITCHGEAR EQUIPMENT IS AN APPROVED ALTERNATE MANUFACTURER FOR FRANCHISE DEVELOPMENT ONLY.

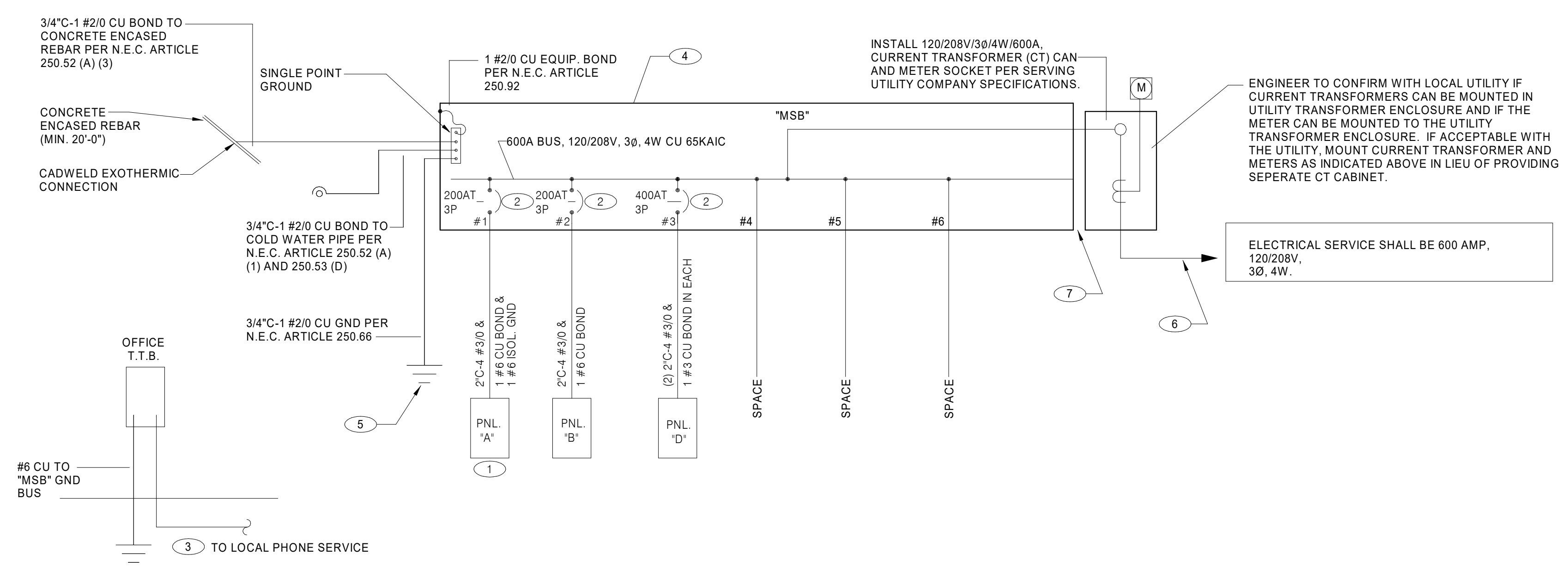
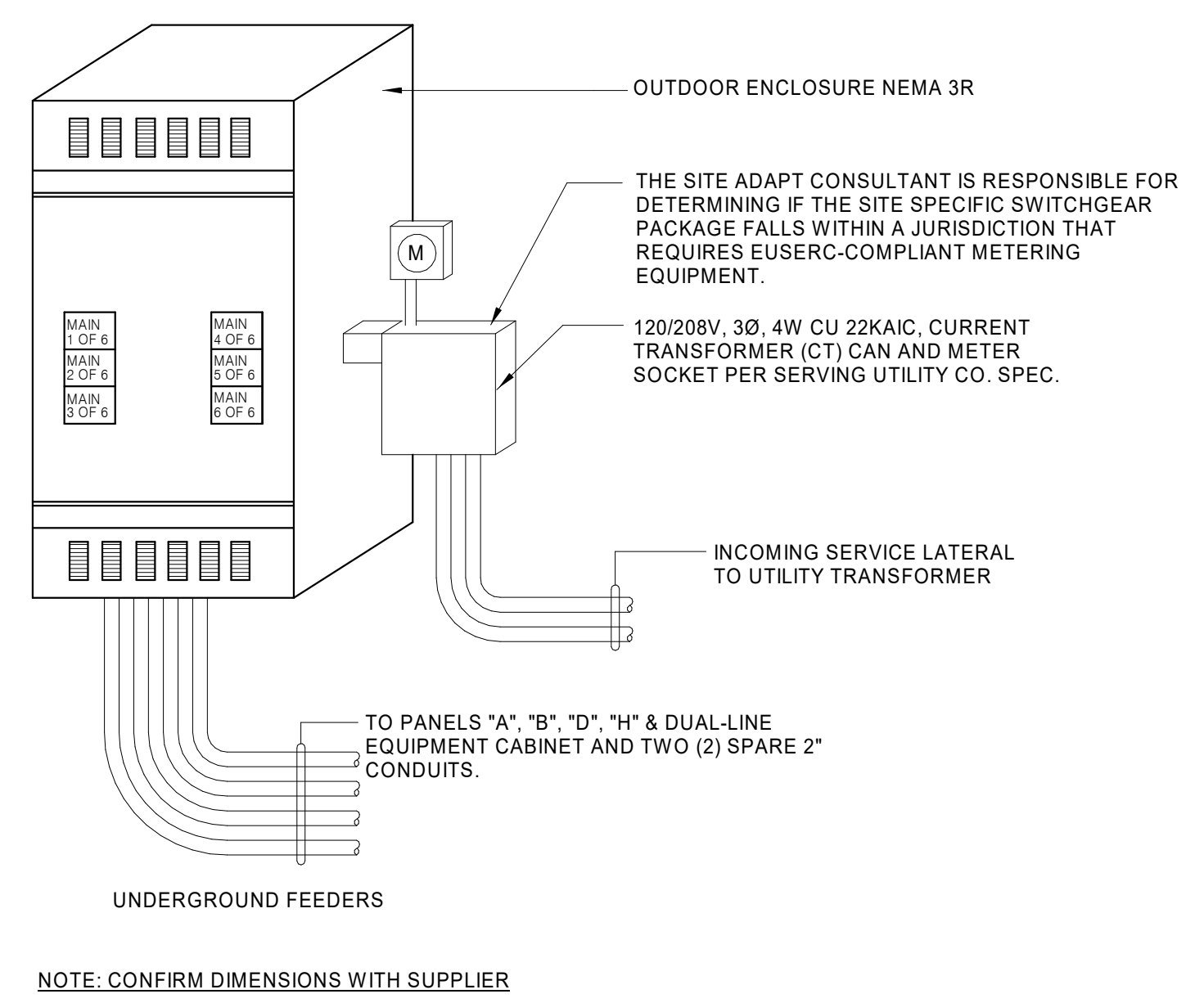
UNDER THIS AGREEMENT, THE CONTRACTOR IS RESPONSIBLE FOR PURCHASE AND INSTALLATION OF THE SYSTEMS DESCRIBED IN THE PLANS. ALL COMPANY AND FRANCHISE PROJECTS SHALL CONTACT ACCUSERVE FOR A PRICE QUOTE AND A BILL OF MATERIAL CONFIRMATION FOR THEIR SPECIFIC PROJECT. SEE THE SWITCHGEAR SECTION IN THE SCOPE OF WORK FOR ADDITIONAL INFORMATION.

PRIMARY CONTACT: BUDDY BOCKWEG
PHONE: (877) 707-7378
FAX: (502) 961-0357
EMAIL: buddy@accuserve.com

THE SWITCHGEAR PACKAGE CONSISTS OF SERVICE ENTRANCE, SWITCHGEAR, MAIN PANELS, SUB PANELS, LIGHTING CONTACTORS AND ALL ASSOCIATED PRODUCTS TO COMPLIMENT THE SWITCHGEAR PACKAGE.

BE PREPARED AT TIME OF ORDER OR QUOTE REQUEST TO PROVIDE ALL PROJECT DETAILS REGARDING SPECIFICATIONS AND QUANTITIES AS SITE SPECIFIC DESIGN MAY NOT MATCH PROTOTYPICAL DESIGN.

NOTE: THE SITE-ADAPT CONSULTANT IS RESPONSIBLE FOR DETERMINING IF THE SITE-SPECIFIC SWITCHGEAR PACKAGE FALLS WITHIN A JURISDICTION THAT REQUIRES EUSERC-COMPLIANT METERING EQUIPMENT.



SWITCHBOARD ELECTRICAL DETAIL, E2.0 NTS

E

SINGLE LINE DIAGRAM NTS

A

	2X4 FLUORESCENT FIXTURE	NL	NIGHTLIGHT		FUSIBLE DISCONNECT SWITCH WITH STARTER
	2X4 FLUORESCENT FIXTURE WITH BATTERY PACK	(S)	CEILING MOUNTED SPEAKER		FUSIBLE DISCONNECT SWITCH
	1X4 FLUORESCENT FIXTURE	(J)	WALL MOUNTED SPEAKER		NON-FUSIBLE DISCONNECT SWITCH
	1X4 FLUORESCENT FIXTURE WITH BATTERY PACK	(J)	JUNCTION BOX		PHOTOCELL
	DOWNLIGHT FIXTURE	(J)	WALL MOUNTED JUNCTION BOX		RAIN SENSOR
	SUSPENDED DOWNLIGHT FIXTURE	(J)	TELEPHONE OUTLET		FLUORESCENT WALL MOUNT FIXTURE
	PENDANT MOUNTED LIGHT FIXTURE	(J)	DEDICATED GROUNDED OUTLET		EMERGENCY LIGHT
	TRACK MOUNTED PENDANT LIGHT FIXTURE	(J)	DUPLEX GROUNDED OUTLET		SINGLE POLE, SINGLE THROW TOGGLE SWITCH
	DIRECTIONAL FIXTURE, TRACK MOUNTED	(J)	DOUBLE DUPLEX GROUNDED OUTLET		SINGLE POLE, SINGLE THROW TOGGLE SWITCH W/ PILOT LIGHT
	DIRECTIONAL FIXTURE, TRACK MOUNTED TO UNDERSIDE OF INTERIOR CANOPY	(J)	GROUND FAULT DUPLEX OUTLET		WALL MOUNTED OCCUPANCY SENSOR
	COOLER FIXTURE	(J)	GROUND FAULT DUPLEX W/ BOTT. HALF SWITCHED	(R)	RELAY
	EXIT SIGN (WALL MOUNTED)	(J)	GROUND FAULT DEDICATED OUTLET		CONDUIT RUN, UNDERGROUND
	EXIT SIGN (CEILING MOUNTED)	(J)	CEILING DUPLEX OUTLET		SMOKE DETECTOR
	SECURITY STROBE	(J)	DUPLEX ISOLATED GROUND OUTLET		EXTERIOR WALL FIXTURE
		(J)	DOUBLE DUPLEX ISOLATED GROUND OUTLET		EXTERIOR DECORATIVE WALL FIXTURE
		(J)	DEDICATED ISOLATED GROUND		EXTERIOR DECORATIVE WALL FIXTURE
		(J)	SPECIAL PURPOSE OUTLET		WEATHERPROOF GROUND FAULT
		(J)	CEILING SPECIAL PURPOSE OUTLET		
		(J)	ELECTRICAL PANEL. SEE SHEET E2.1 FOR PANEL SCHED.		
		(J)	HOLD UP EMERGENCY BUTTON		
		(J)	ELECTRICAL MOTOR		
		(J)	DUCT MOUNTED SMOKE DETECTOR		
		(J)	CONNECTION TO EQUIPMENT		

ELECTRICAL LEGEND NTS

D

- THERE SHALL BE U.L. LISTED SERIES RATING BETWEEN CKT. BREAKERS LOCATED AT THE DISTRIBUTION PANEL AND THE DOWNSTREAM 10k A.I.C. RATED CIRCUIT BREAKERS AT PANELS "A", "B", "DUAL-LINE EQUIPMENT CABINET BASED ON THE MAXIMUM FAULT CURRENT AS DETERMINED AT THE SERVICE ENTRANCE AND DOWNSTREAM 22K A.I.C. RATED CIRCUIT BREAKERS AT PANEL "D."
- THE NFPA-70 "SIX SWITCH" MAXIMUM RULE SHALL APPLY AT THE POINT AT WHICH THE SERVICE ENTERS THE BUILDING AS DEFINED BY NFPA-70 (CURRENT EDITION IN FORCE AT THIS SITE). NOTIFY ENGINEER WHERE LOCAL CONDITIONS REQUIRE ALTERNATE LOCATIONS OR SINGLE POINT DISCONNECT.
- SEE SCOPE OF WORK FOR DETAILS REGARDING OWNER SUPPLIED AND/OR INSTALLED PRODUCTS. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL OTHER ASPECTS OF THE PROJECT
- IF UTILITY COMPANY PROPOSES A SERVICE DIFFERENT FROM THAT ILLUSTRATED, CONTACT THE CONSTRUCTION ENGINEER FOR A DECISION BEFORE PROCEEDING. COORDINATE AVAILABLE SHORT CIRCUIT CURRENT W/ LOCAL UTILITY AND PROVIDE CIRCUIT BREAKERS W/ SUFFICIENT INTERRUPTING CAPACITY.
- COORDINATE CT METERING COMPARTMENT SIZE WITH LOCAL UTILITY COMPANY, THE LOCAL ELECTRICAL INSPECTOR AND THE NATIONAL ELECTRICAL CODE TO MEET ALL REQUIREMENTS BEFORE PURCHASE AND INSTALLATION. NEW METER BY LOCAL UTILITY COMPANY.
- ALL WIRING SHOWN SHALL BE COPPER TYPE "THHN/THWN" EXCEPT FEEDERS FROM UTILITY TRANSFORMER TO SWITCH BOARD MAY BE ALUMINUM.
- ARMOR CABLE ACCEPTABLE FOR THE LAST 6'-0" FROM A JUNCTION BOX TO LIGHT FIXTURES. ARMOR CABLE IS NOT ALLOWED FOR NON-ACCESSIBLE FLOORS, WALLS AND CEILINGS. CABLE MUST BE INSTALLED CONCEALED. CABLE SHALL CONTAIN A GREEN CU CODE SIZE GROUND CONDUCTOR

ONE LINE DIAGRAM GENERAL NOTES NTS

C

- WIRE ISOLATED GROUND TO ISOLATION GROUND BUS IN PANEL AND LAND ISOLATED GROUND TO SINGLE POINT GROUND. "DO NOT COMBINE COMMON GND TO ISOLATED GROUND". REF DETAIL 6/E3.1.
- 6 BUILDING MAIN DISCONNECTS FOR THIS SERVICE: (MAXIMUM 6 MAINS PER N.E.C.) LABEL EACH MAIN BREAKER AS INDICATED:
"MAIN 1 OF 6" (ENGRAVED LETTERS x 3/4" HIGH, TYP.)
"MAIN 2 OF 6"
"MAIN 3 OF 6"
"MAIN 4 OF 6"
"MAIN 5 OF 6"
"MAIN 6 OF 6"
- PROVIDE 2" CONDUIT STUBBED INTO BULDING FROM LATERAL POLE FOR TELEPHONE.
- VERIFY AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE WITH THE UTILITY COMPANY. IF THE AIC RATING AS INDICATED IS NOT SUFFICIENT, CONTACT PROJECT MANAGER AND ENGINEER PRIOR TO BID/PRICING TO UPDATE EQUIPMENT RATING.
- (3) 5/8" DIA. x 10'-0" COPPER CLAD GROUND RODS. INSTALL 10'-0" APART AND CONNECT GROUND SYSTEM PER N.E.C. ARTICLE 250
- PROVIDE UNDERGROUND SERVICE LATERAL TO UTILITY TRANSFORMER PER SERVING UTILITY COMPANY SPECIFICATIONS. 4#350 KCMIL IN EACH OF (2) 3". TO PAD MOUNT TRANSFORMER. GC/ELECT. CONTRACTOR SHALL COORDINATE SERVICE POLES PER LOCAL UTILITY CODE. IF ALUMINUM CONDUCTORS ARE USED PROVIDE 4#500 KCMIL IN EACH (2) 3-1/3".
- PROVIDE ONE MAIN SERVICE ENTRANCE 600 AMP SERVICE DISCONNECT OR MAIN BREAKER IF REQUIRED BY LOCAL JURISDICTION. VERIFY BEFORE BID AND BEFORE ORDERING EQUIPMENT OR START OF CONSTRUCTION

ONE LINE DIAGRAM KEY NOTES NTS

B

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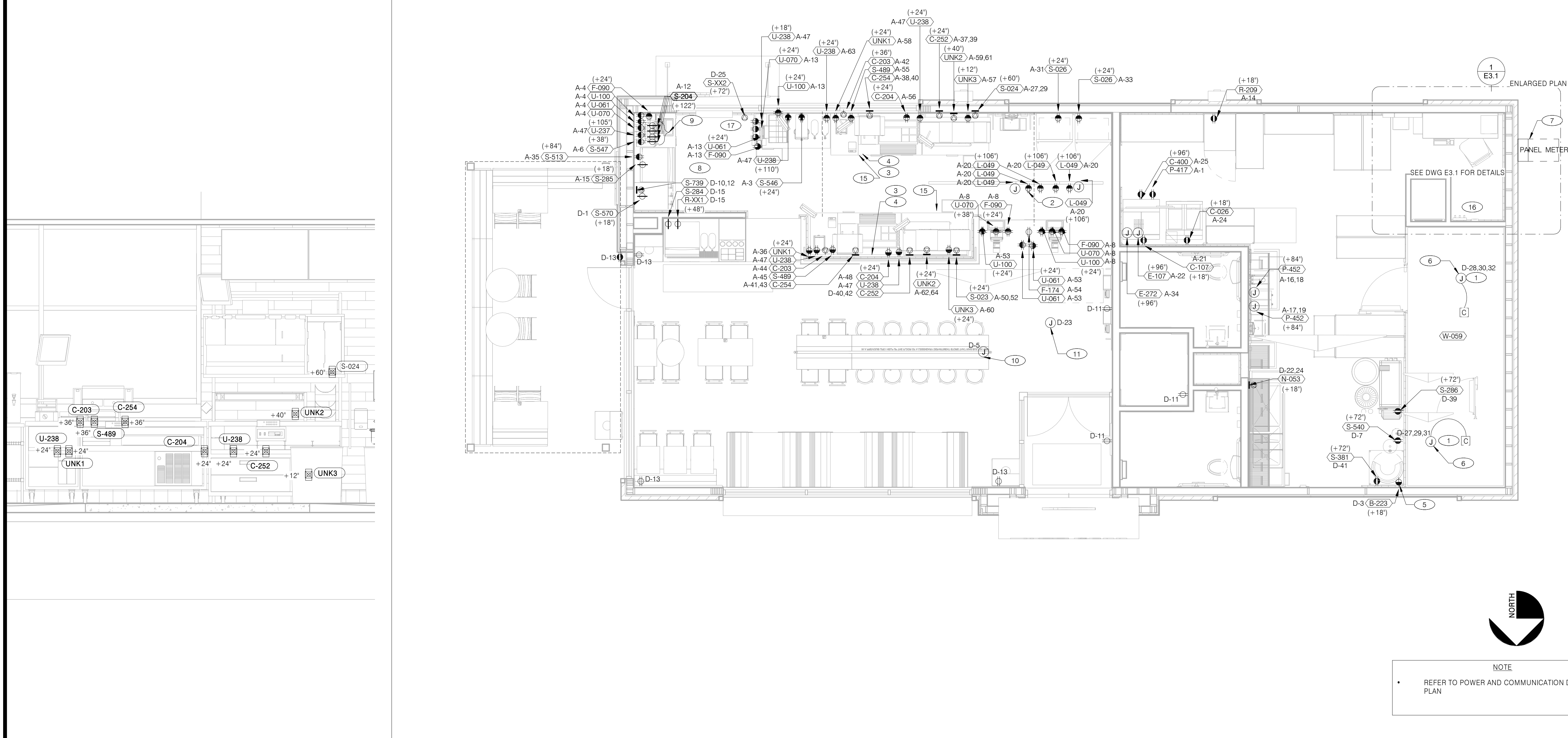
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ELECTRICAL ONE LINE DIAGRAMS AND LEGEND

E2.0



V-LINE ELEVATIONS NTS **D**

POWER PLAN 1/4" = 1'-0" **A**

- A. ALL DIMENSIONS TO J-BOXES ARE FROM FACE OF STUD TO CENTER OF BOX, U.O.N.
- B. ALL CONDUIT DROPS ARE INSIDE WALLS U.O.N. SEE ARCH. DWGS FOR WALL DIMS.
- C. ALL J-BOX CIRCUITS, CONDUITS, FIXTURES, ETC. SHALL BE AS INDICATED ON THE ELECT. DWGS AND SPECS.
- D. CONTRACTOR SHALL VERIFY UNDERGROUND CONDUIT LOCATIONS PRIOR TO POURING SLAB.
- E. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THIS DATA ON THE LOCATION OF ELECT. ROUGH-INS WITH INFO PROVIDED ON THE ARCH. AND STRUCT. DWGS AND THE EQUIPMENT ACTUALLY SUPPLIED, AND TO CONFIRM THE CORRECTNESS OF ANY DIMENSIONS HEREIN.
- F. LOCATIONS OF ALL OUTLETS MAY BE RELOCATED TO NEAREST STUD. DO NOT CUT INTO STUDS.
- G. FOR EXACT LOCATIONS OF KITCHEN & MECHANICAL EQUIPMENT AND POINTS OF CONNECTION, REFER TO KITCHEN & MECHANICAL EQUIPMENT DRAWINGS AND MANUFACTURER'S SHOP DRAWINGS.
- H. ALL CIRCUIT FEEDERS AND DISCONNECTS SHALL BE SIZED BY NEC.
- I. CONTRACTOR SHALL VERIFY CIRCUIT BREAKER, DISCONNECT SWITCH, STARTER AND FUSE SIZES WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER AND PROVIDE EVERYTHING AS REQUIRED.

- J. ELECTRICAL EQUIPMENT ENCLOSURES SHALL BE NEMA-1 FOR INTERIOR AND NEMA 3R FOR EXTERIOR. IN COASTAL REGIONS THE STANDARD FOR OUTSIDE SHALL BE NEMA-4X.
- K. PER SECTION 210.8(B)(3) NEC 2011, ALL 15 AND 20A, 120V RECEPTACLES IN COMMERCIAL KITCHENS ARE REQUIRED TO BE GFCI PROTECTED. THIS INCLUDES ISOLATED GROUND RECEPTACLES.
- L. DO NOT MEASURE/LOCATE OUTLETS ON DRAWINGS. USE DIMENSIONS PROVIDED.
- M. CONDUIT MAY RUN UNDER SLAB AT G.C.'S DISCRETION.
- N. E.C. SHALL PROVIDE A PREPRINTED SELF-ADHESIVE LABEL ON ALL POS RECEPTACLES STATING "POS USE ONLY".
- O. PROVIDE ESCUTCHEON PLATES AND SEALANT AT ALL UTILITY PENETRATIONS INTO WALLS, CEILING, AND FLOORS. DO NOT USE CAULKS OR EXPANSION FOAM FOR SEALANT.
- P. ARMOR CABLE (BX) ALLOWED WHERE ACCEPTABLE BY CODE. ALL WIRE SHALL BE CONCEALED O.N.U.
- Q. FOR ALL CIRCUITS NOT SHOWN ON EQUIPMENT SCHEDULE, CONTRACTOR SHALL PROVIDE CONDUCTOR AND CONDUIT SIZES AS SHOWN ON BRANCH CIRCUIT WIRING SCHEDULE SHOWN ON E2.2. IF SIZES DIFFER FROM N.E.C., THE MORE STRINGENT (LARGER) SIZE SHALL BE PROVIDED.
- R. OUTLETS WITHIN FOH TO BE AT 18" AFF FOR ADA ACCESS.
- S. CONDUITS NEAR DRIVE THRU WINDOW AREA TO BE ROUTED FROM ABOVE CEILING OR STUBBED UP FROM UNDER SLAB SO AS TO NOT INTERFERE WITH WINDOW FRAMING.

- 1 REFER TO ROOF PLAN.
- 2 INSTALL IN CONDUIT RUNNING ON SURFACE OF KITCHEN SIDE OF CABINETRY REAR WALL. RECEPTACLES TO BE MOUNTED ON CEILING DROP DOWN BEHIND MENEUBOARDS.
- 3 THE EC SHALL BE RESPONSIBLE FOR PROVIDING RECEPTACLES FOR THE EQUIPMENT IN THE V-LINE. EC SHALL COORDINATE REQUIREMENTS WITH EQUIPMENT MANUFACTURER. CONFIRM AND COORDINATE ALL MOUNTING HEIGHTS WITH EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN.
- 4 EC SHALL COORDINATE WITH V-LINE MANUFACTURER FOR RECEPTACLE MOUNTING HEIGHT AND SPECIFICATIONS. REF DETAIL D.
- 5 LOCATED INSIDE SHELL OF HEATER.
- 6 INSTALL CONTROL CABLE FROM FREEZER/COOLER FAN COIL TO ROOF MOUNTED CONDENSOR.
- 7 LOCATE ELECTRICAL SERVICE EQUIPMENT PER GUIDLINES ON ARCHITECTURAL AND CIVIL DRAWINGS.
- 8 PROVIDE BOOST TRANSFORMER (208V, 1-PHASE IN, 240V, 1-PHASE OUT) FOR FROZEN BEVERAGE DISPENSER IF APPLICABLE. COORDINATE WITH EQUIPMENT MANUFACTURER FOR EXACT REQUIREMENTS.
- 9 ABOVE CEILING FOR WALL MOUNTED HME. SEE 5/E3.1.
- 10 J-BOX FOR POWER AT HUB TABLE. CONDUIT SHALL BE ROUTED UNDERGROUND WITH 3/4" C. W/2 # 12 AND #12 GND. STUB CONDUIT UP IN FLOOR TO END OF HUB TABLE. PROVIDE AND INSTALL FLEX CABLE WIRING THROUGH STUB-UP CONDUIT INTO TUBING CHASE AT END OF TABLE. MAKE FINAL CONNECTIONS TO JUNCTION BOXES AND/OR RECEPTACLES MOUNTED ON TABLE. COORDINATE LIGHTING INSTALLATION REQUIREMENTS WITH CONDUIT ROUTING. REFER TO E4.0 FOR LIGHTING INFORMATION. FIELD VERIFY AND COORDINATE WITH HUB TABLE MANUFACTURER FOR EXACT REQUIREMENTS AND LOCATIONS PRIOR TO INSTALLATION.

- 11 PROVIDE POWER AND DATA JUNCTIONS BOXES IN SLAB WITH COVER PLATE FOR ORDERING KIOSK. PROVIDE ALL NECESSARY TRENCHING AND CONDUITS. VERIFY EXACT QUANTITY AND LOCATION WITH EQUIPMENT INSTALLER AND TACO BELL CONSTRUCTION MANAGER. REF A3.0 FOR KIOSK OPTIONS. NUMBER OF KIOSKS & LOCATION OF KIOSKS MAY CHANGE DUE TO (3) DESIGN OPTIONS. ARROWS SHOW POSSIBLE KIOSK LOCATIONS.
- 12 NOT USED.
- 13 NOT USED.
- 14 NOT USED.
- 15 CONTRACTOR TO RUN POWER AND DATA CONDUITS FOR V LINE AND FRONT POS COUNTER UNDER SLAB. CONFIRM ROUTE WITH TACO BELL REPRESENTATIVE PRIOR TO ROUGH-IN.
- 16 LOCATION OF TBCCB COMBINED CONTROL BOX. COORDINATE EXACT LOCATION IN FIELD. CONSIDER OPERATOR'S NEED TO ACCESS SWITCHES ON THE FRONT OF THE CONTROL BOX AND BUILT IN OCCUPANCY SENSOR FOR MANAGER'S OFFICE. CIRCUIT TO B-10.
- 17 REF DETAIL 7/E3.1.

GENERAL NOTES - ELECTRICAL POWER PLAN NTS **C**

KEY NOTES - ELECTRICAL POWER PLAN NTS **B**

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T40

ELECTRICAL POWER PLAN

E3.0

THE DEDICATED POS POWER CIRCUIT REQUIRES AN ISOLATED GROUND IN ADDITION TO THE NORMAL COMMON BUILDING GROUND. THE ISOLATED GROUND WIRE SERVES TWO PURPOSES:
 * AS A SAFETY PATH TO GROUND.
 * AS A ZERO REFERENCE POINT FOR ALL POS DIGITAL LOGIC.

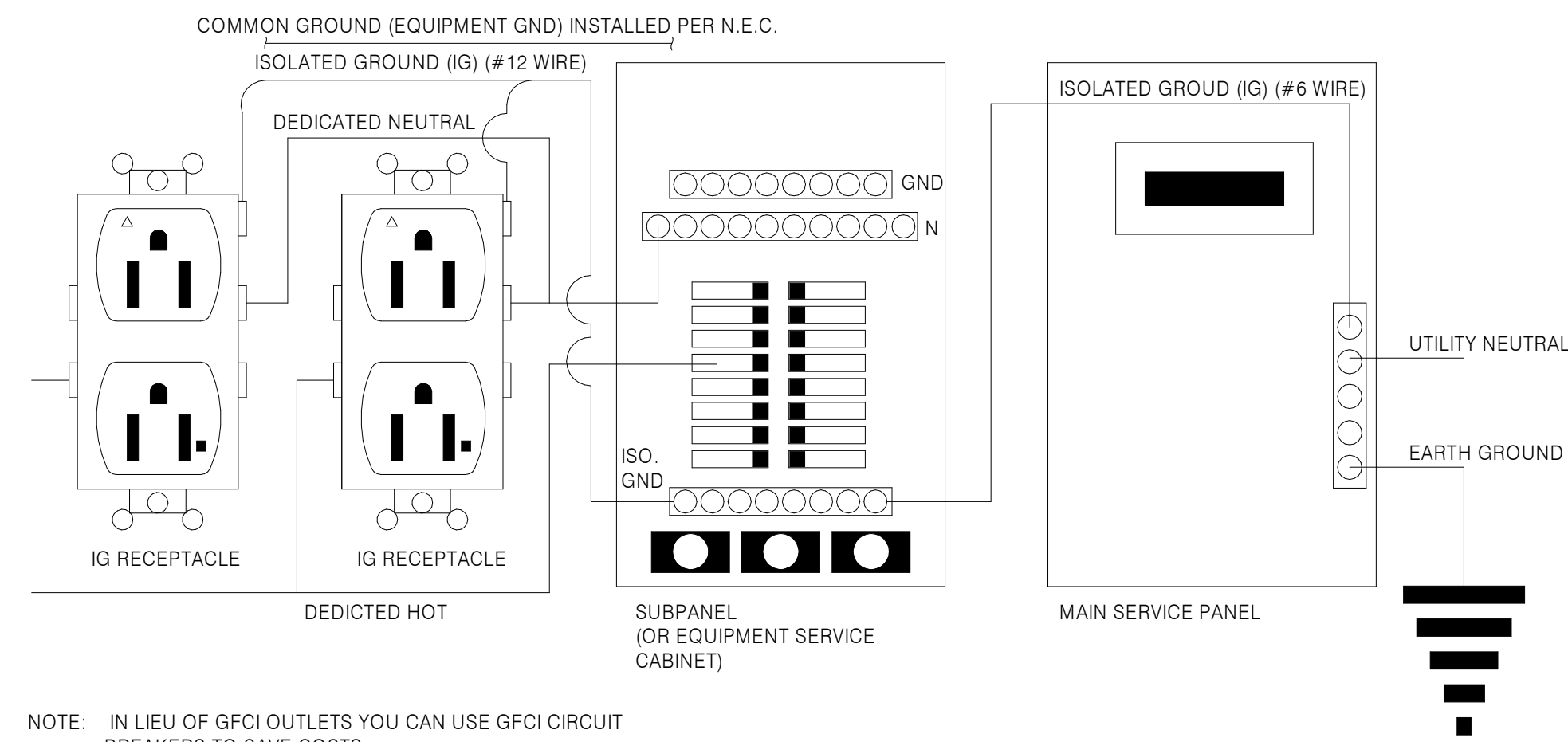
THE GROUND MUST EXHIBIT THE LOWEST POSSIBLE IMPEDANCE TO MINIMIZE VOLTAGE TRANSIENTS AND NOISE.

BE SURE TO:

- * USE AN INSULATED CONDUCTOR FOR THE ISOLATED GROUND WIRE.
- * RUN THE ISOLATED GROUND WIRE THROUGH THE SAME CONDUIT AS THE HOT AND NEUTRAL WIRES.
- * INSTALL ONLY ISOLATED GROUND (IG) TYPE RECEPTACLES.
- * CONNECT THE ISOLATED GROUND WIRE TO BUILDING GROUND ONLY AT THE MAIN SERVICE PANEL.
- * VERIFY THAT IG RECEPTACLES PRE-WIRED IN OWNER SUPPLIED EQUIPMENT HAVE A TRUE ISOLATED GROUND THAT CAN BE TRACED BACK TO THE BUILDING GROUND AT THE MAIN SERVICE PANEL.

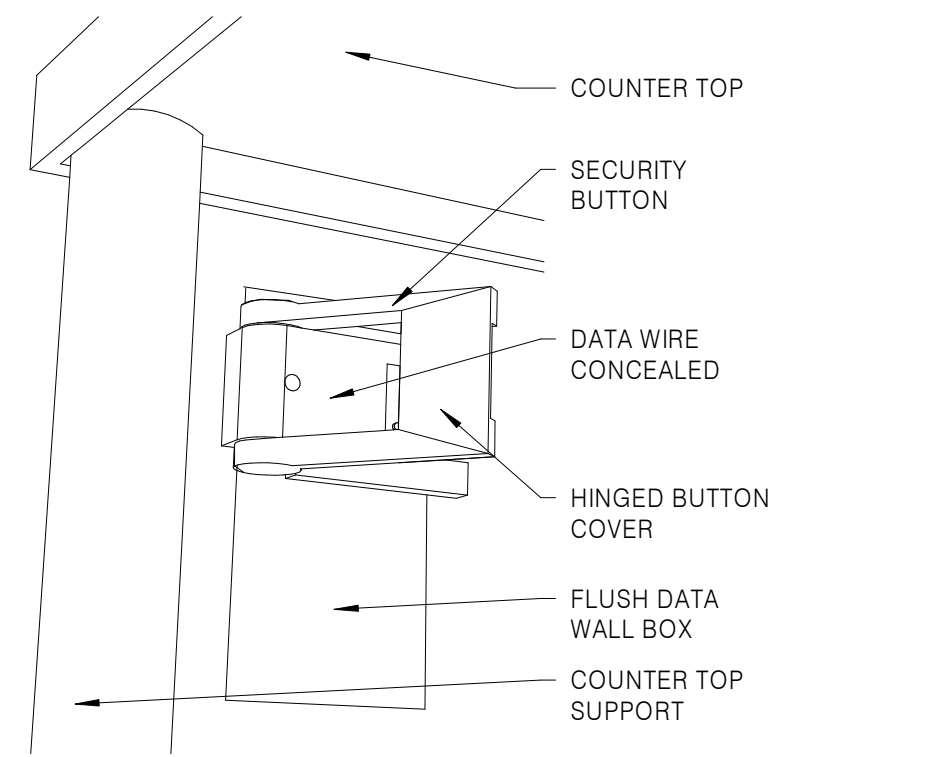
DO NOT CONNECT THE ISOLATED GROUND WIRE TO THE CONDUIT, JUNCTION BOXES, THE FRAME ON A SUBPANEL, OR ANY OTHER METAL SURFACE.

DEDICATED CIRCUITS: DEDICATED CIRCUITS REQUIRE A DEDICATED HOT AND A DEDICATED NEUTRAL THAT ARE NOT SHARED WITH ANY OTHER CIRCUITS. IG RECEPTACLES MUST BE PHASE ALIGNED WITH THE 'B' PHASE OF BUILDING SUBPANEL 'A'.

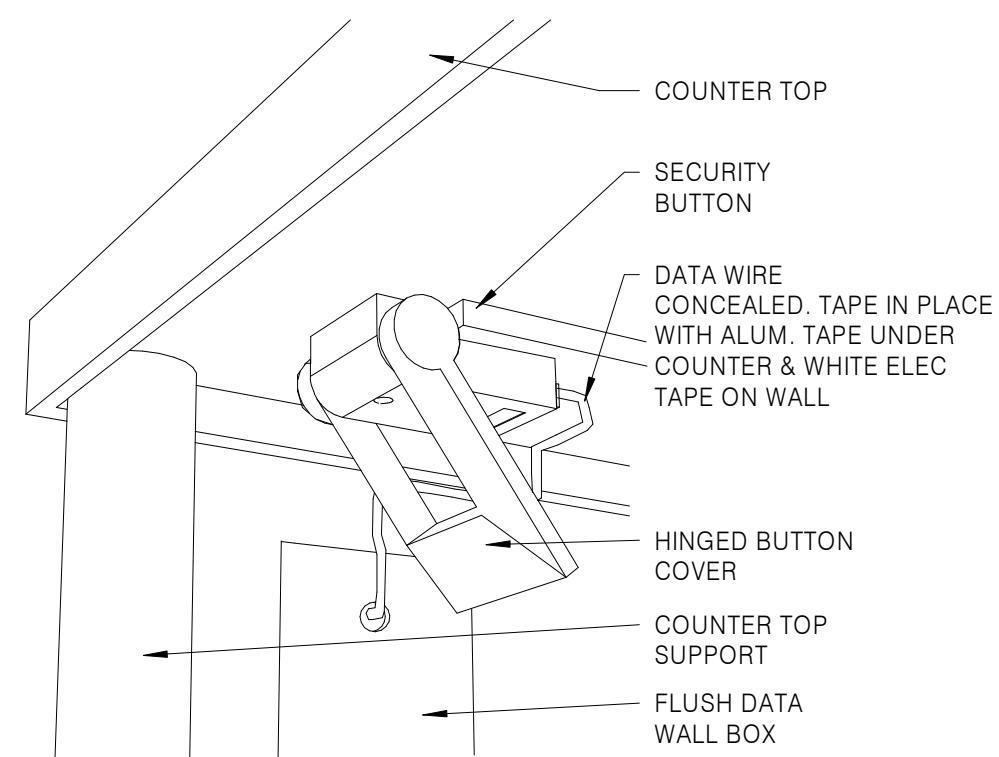


NOTE: IN LIEU OF GFCI OUTLETS YOU CAN USE GFCI CIRCUIT BREAKERS TO SAVE COSTS

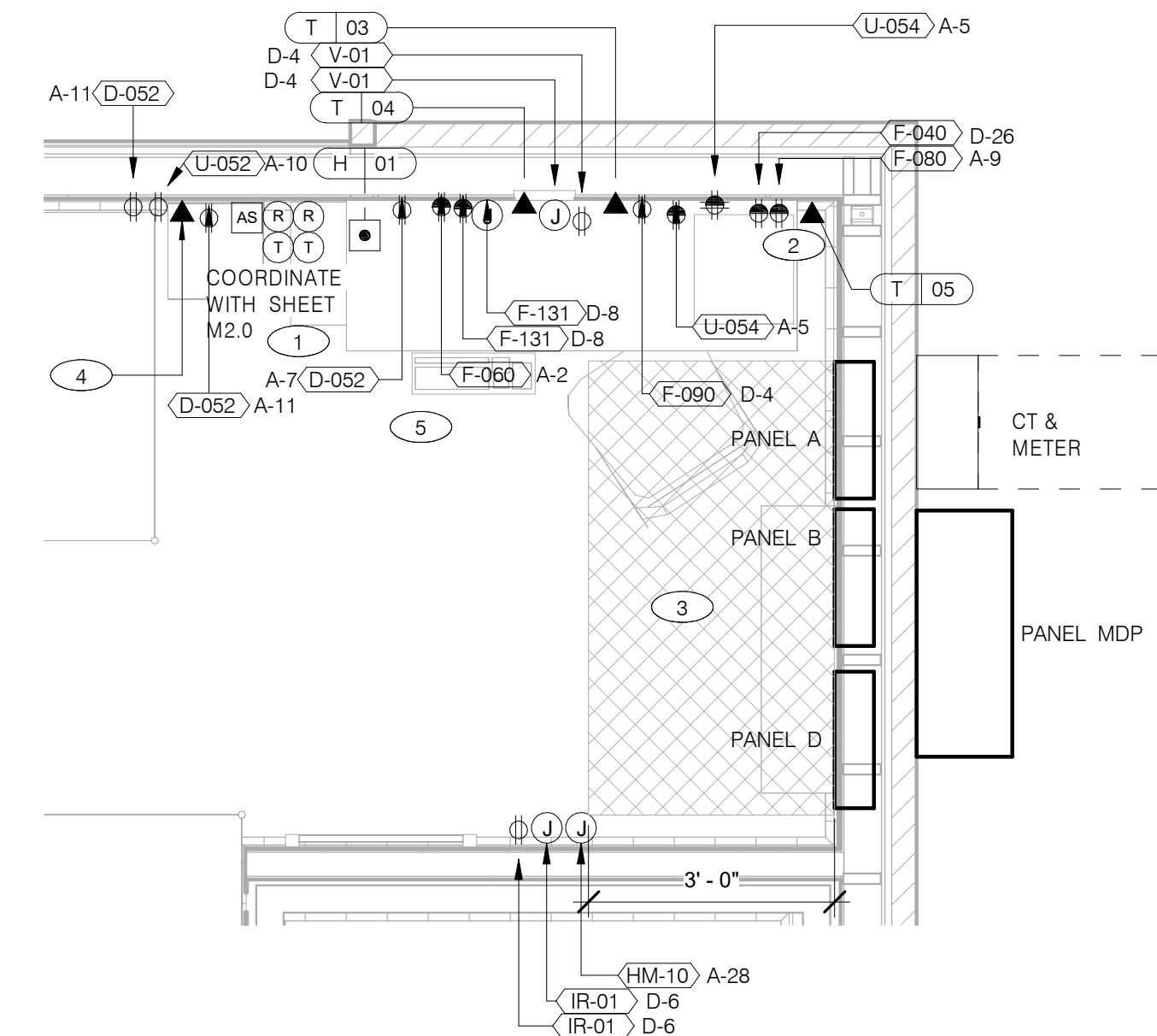
P.O.S. ISOLATED GROUND SYSTEM NTS **6**



SECURITY BUTTON ON WALL NTS **3**



SECURITY BUTTON UNDER COUNTER NTS **4**



ENLARGED POWER AND COMMUNICATIONS PLAN (OFFICE) 1/2" = 1'-0" **1**

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CONTRACT DATE:
 BUILDING GROUP: GROUND-UP
 FLOOR PLAN: ME - T40
 REVISION DATE:
 SITE NUMBER: 313076
 STORE NUMBER: 2018088.30

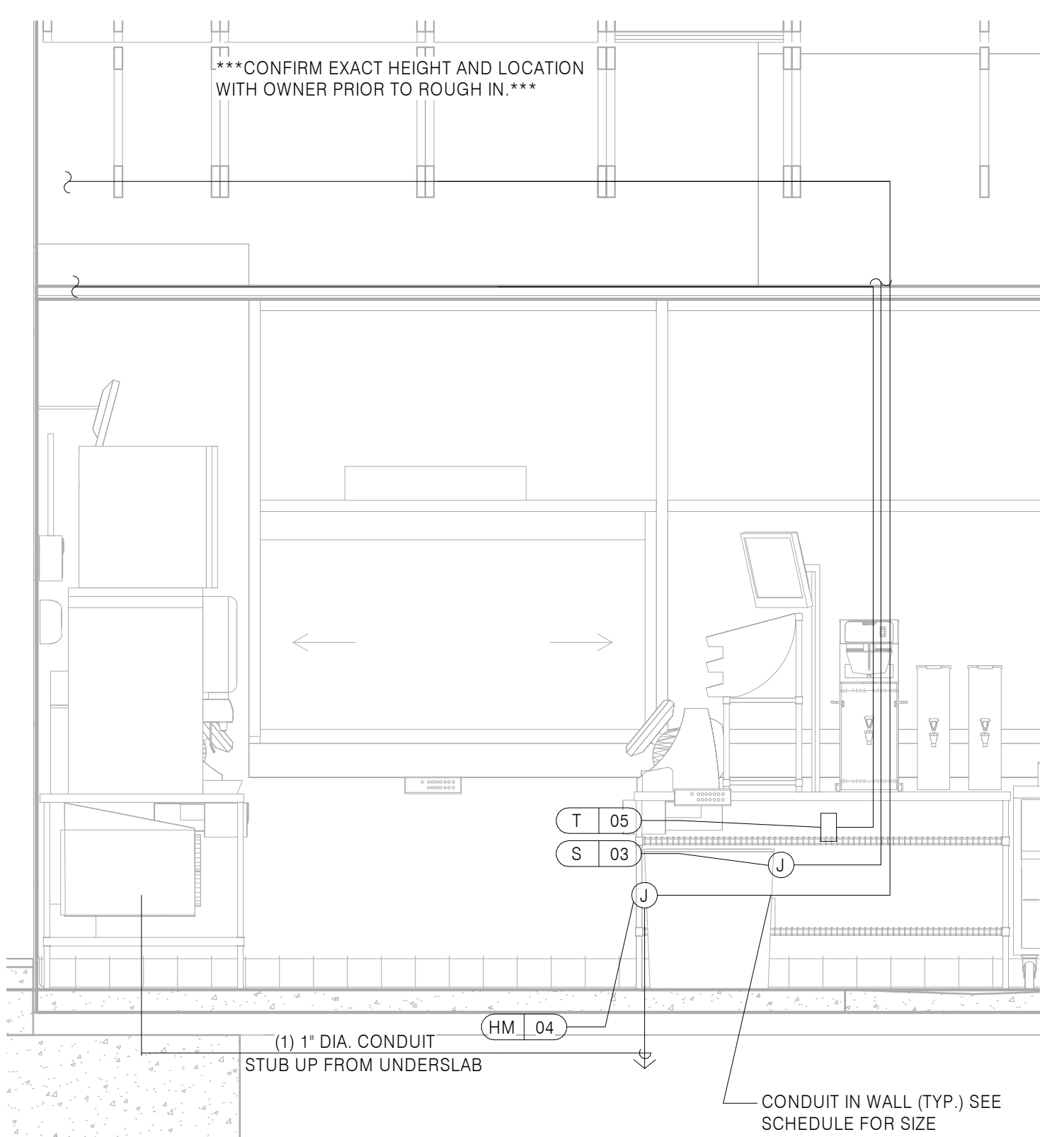
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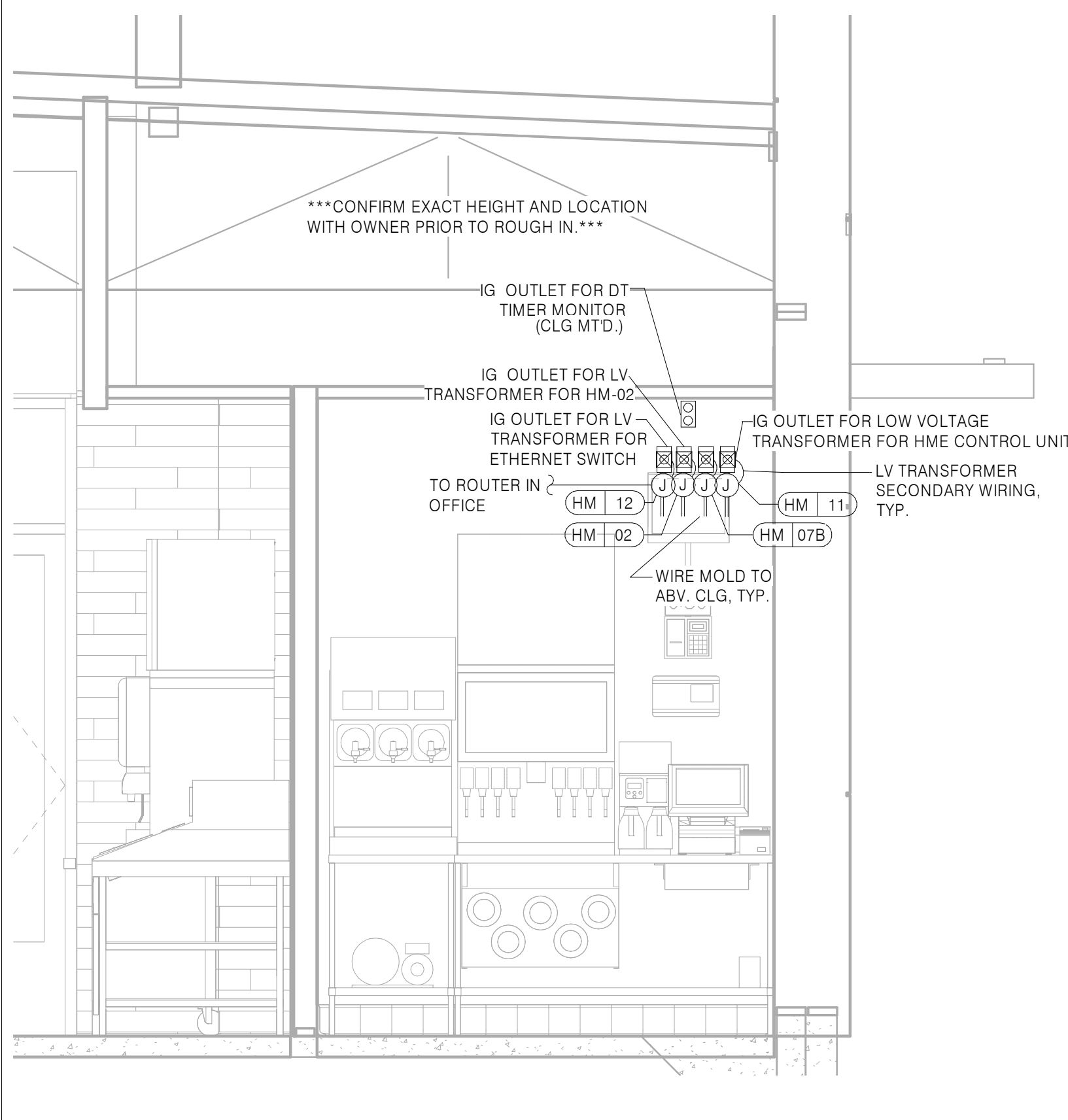
ENLARGED POWER PLAN AND DETAILS

E3.1

PLOT DATE: 8/21/2019 2:41:38 PM



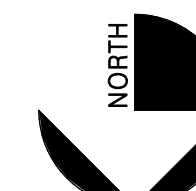
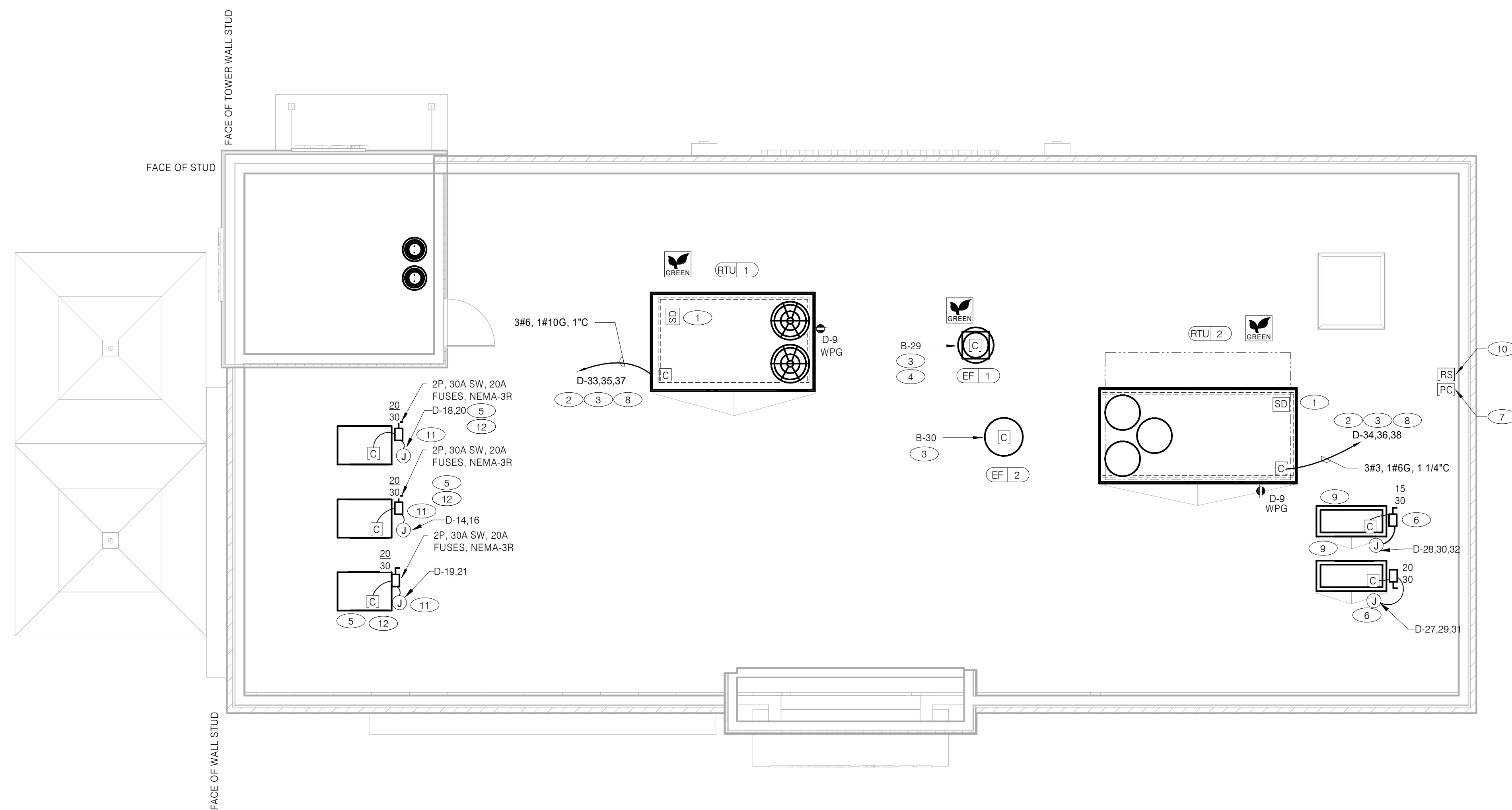
ENLARGED INTERIOR ELEVATION (D/T WINDOW) NTS **7**



ENLARGED INTERIOR ELEVATION NTS **5**

- KEY NOTES - ELECTRICAL ENLARGED DETAILS** NTS **2**
- 1 THERMOSTATS CONTROLS.
 - 2 PHONE JACK FOR MODEM.
 - 3 ELECTRICAL WORKING CLEARANCE
 - 4 DATA JACK FOR TECH-IN-BOX WITH 2 PORTS.
 - 5 ELECTRICAL AND DATA DEVICES SHOWN OFFSET ON PLANS FOR CLARITY AND COORDINATION PURPOSES. COORDINATE WITH TACO BELL CONSTRUCTION MANAGER FOR FINAL LOCATIONS PRIOR TO INSTALLATION.

KEY NOTES - ELECTRICAL ENLARGED DETAILS NTS **2**



POWER ROOF PLAN 1/4" = 1'-0" **A**

- A. NO CONDUIT SHALL BE FASTENED DIRECTLY TO OR THROUGH ROOFING MEMBRANE.
- B. ALL CUTS IN ROOFING MEMBRANE SHALL BE MINIMAL AND IN ACCORDANCE WITH ROOFING MFR'S AND INSTALLER'S REQ'S.
- C. REFER TO MECH. DWGS FOR MECHANICAL EQUIPMENT ELECTRICAL REQ'S.
- D. ALL EXPOSED ELECTRICAL CONDUITS SHALL PENETRATE ROOF MEMBRANE AT PIPE HOODS U.O.N.
- E. REFER TO ELECT. EQUIP. SCHEDULE AND ELECT. ROUGH-IN PLAN.
- F. ALL CONDUITS FROM EXHAUST FANS SHALL BE ROUTED INSIDE OF CURB.
- G. ALL CONDUITS TO AND FROM RTU SHALL BE ROUTED INSIDE OF RTU CURB. COORDINATE WITH RTU MFR RECOMMENDATIONS.
- H. REFER TO GENERAL NOTES SHEET E2.0 FOR IMPORTANT INFORMATION.
- I. ALL WIRING AND CONDUITS SHALL BE CONCEALED. NO CONDUITS PERMITTED TO RUN EXPOSED ACROSS ROOF DECK. ROUTE ALL CONDUITS THROUGH EQUIPMENT ROOF CURBS OR ARCHITECT SPECIFIED ROOF PENETRATIONS.
- J. ARMOR CABLE (BX) ALLOWED WHERE ACCEPTABLE BY CODE.

- 1 SMOKE DETECTOR PROVIDED WITH UNIT. REFER TO MECHANICAL DRAWINGS.
- 2 SPECIFIED RTU IS SUPPLIED WITH THRU THE BASE ELECTRICAL CONNECTIONS AND FACTORY INSTALLED HACR CIRCUIT BREAKER WITH WEATHER TIGHT ENCLOSURES AND ACCESS THRU SWINGING DOOR.
- 3 POWER AND CONTROL ENTRY FROM BOTTOM OF UNIT.
- 4 CONNECT TO EF-1 RELAY. REF DETAIL 2/E6.0.
- 5 1/2" C, WITH REQ'D CONDUCTORS TO J-BOX IN CEILING ABOVE ICE MACHINE. MAKE CONNECTION TO ICE MACHINE AND CONDENSING UNIT.
- 6 REFER TO POWER PLAN FOR CONTINUATION TO COOLER / FREEZER.
- 7 MOUNT PHOTOCELL ON THE WEST SIDE OF THE BUILDING 14.0' ABOVE GRADE. CONNECT TO LIGHTING CONTROL PANEL AND RELAYS. SEE E6.0 AND E6.1.
- 8 RTU'S SHALL BE PROVIDED WITH BUILT-IN DISCONNECT, SINGLE POINT WIRING AND CONVENIENCE OUTLET.
- 9 CONTRACTOR SHALL VERIFY CIRCUIT BREAKER TYPE, STARTER, DISCONNECT SWITCH, AND FUSE SIZE (IF REQUIRED) WITH SELECTED EQUIPMENT MANUFACTURER'S SHOP DRAWINGS PRIOR TO PLACING ORDER AND FURNISH AND INSTALL EVERYTHING AS REQUIRED.
- 10 RAIN SENSOR MOUNTED NEXT TO PHOTOCELL 14.0' ABOVE GRADE.
- 11 PIPE HOOD FOR ICE MACHINE CONDENSERS. SEE ARCHITECTURAL ROOF PLAN.
- 12 ELECTRICAL CONTRACTOR SHALL MAKE ALL ELEC. CONNECTIONS INCLUDING ALL NECESSARY INTERCONNECTIONS BETWEEN THE COMPRESSOR ON THE ROOF & THE EVAPORATOR IN THE ICE MACHINE AS REQ'D. REFER TO THE MFR'S SHOP DWGS FOR EXACT INSTALL. & INTERCONNECTION RQMTS. PRIOR TO ROUGH-IN INSTALL.
- 13 COORDINATE LOCATION OF J-BOX WITH SIGN VENDOR. SEE SCOPE OF WORK.
- 14 COORDINATE LOCATION OF J-BOX WITH TOWER VENDOR. SEE SCOPE OF WORK.

GENERAL NOTES - ELECTRICAL POWER ROOF PLAN NTS **C**

KEY NOTES - ELECTRICAL POWER ROOF PLAN NTS **B**

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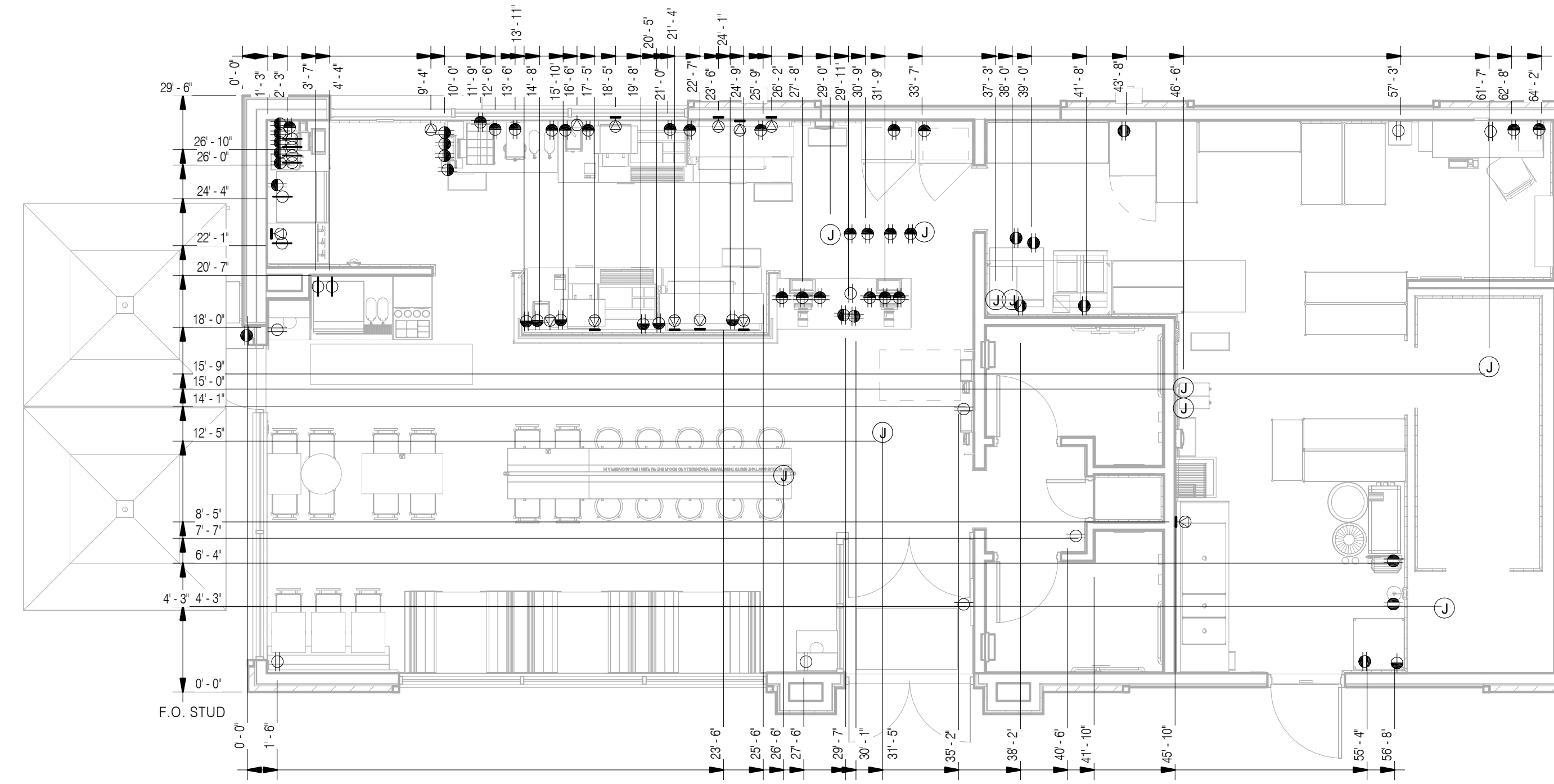


T40

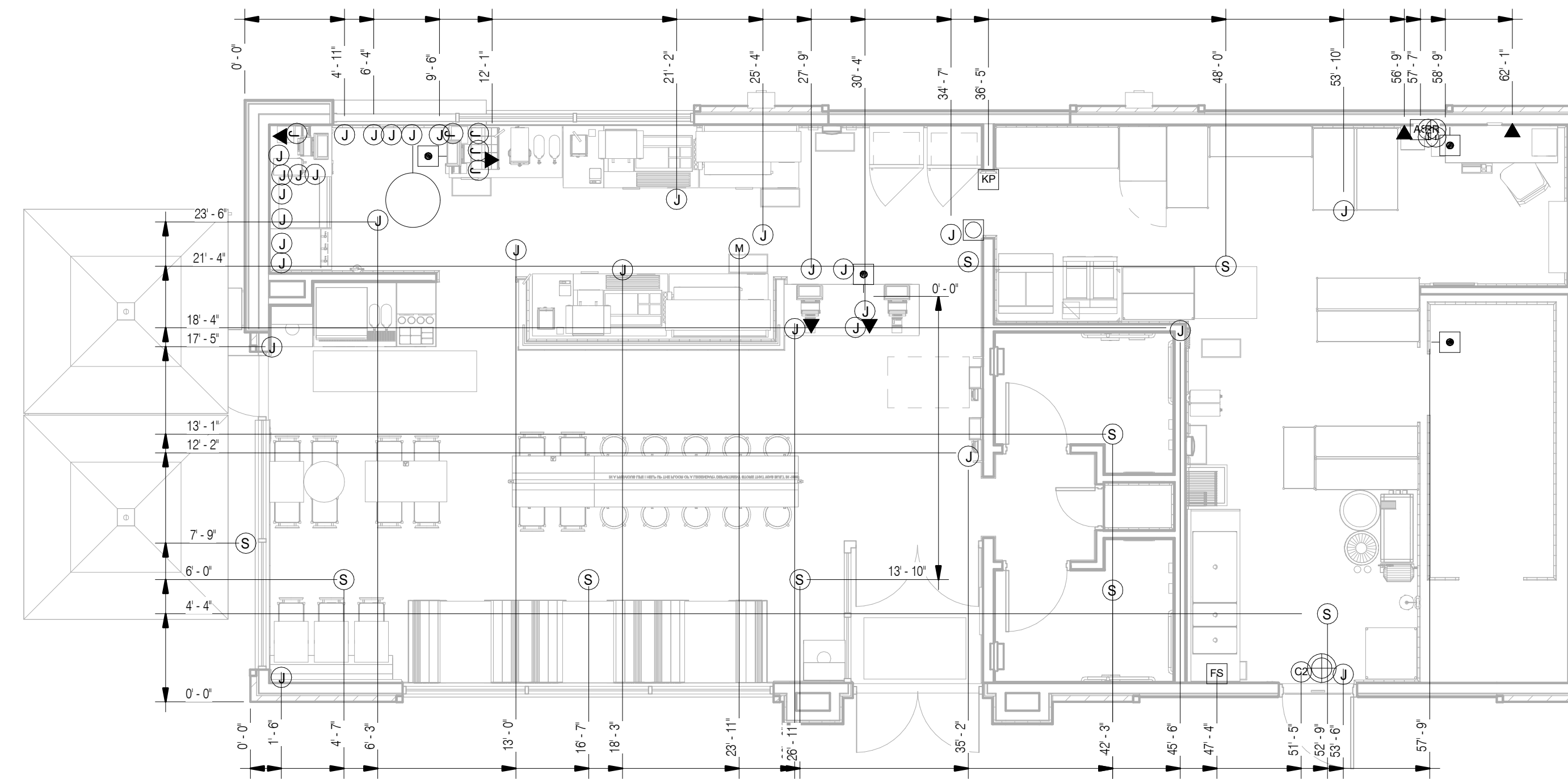
**ELECTRICAL
POWER ROOF
PLAN**

E3.2

PLOT DATE: 8/21/2019 2:41:41 PM



POWER DIMENSIONS PLAN 3/16" = 1'-0" **A**



COMMUNICATION DIMENSIONS PLAN 3/16" = 1'-0" **B**

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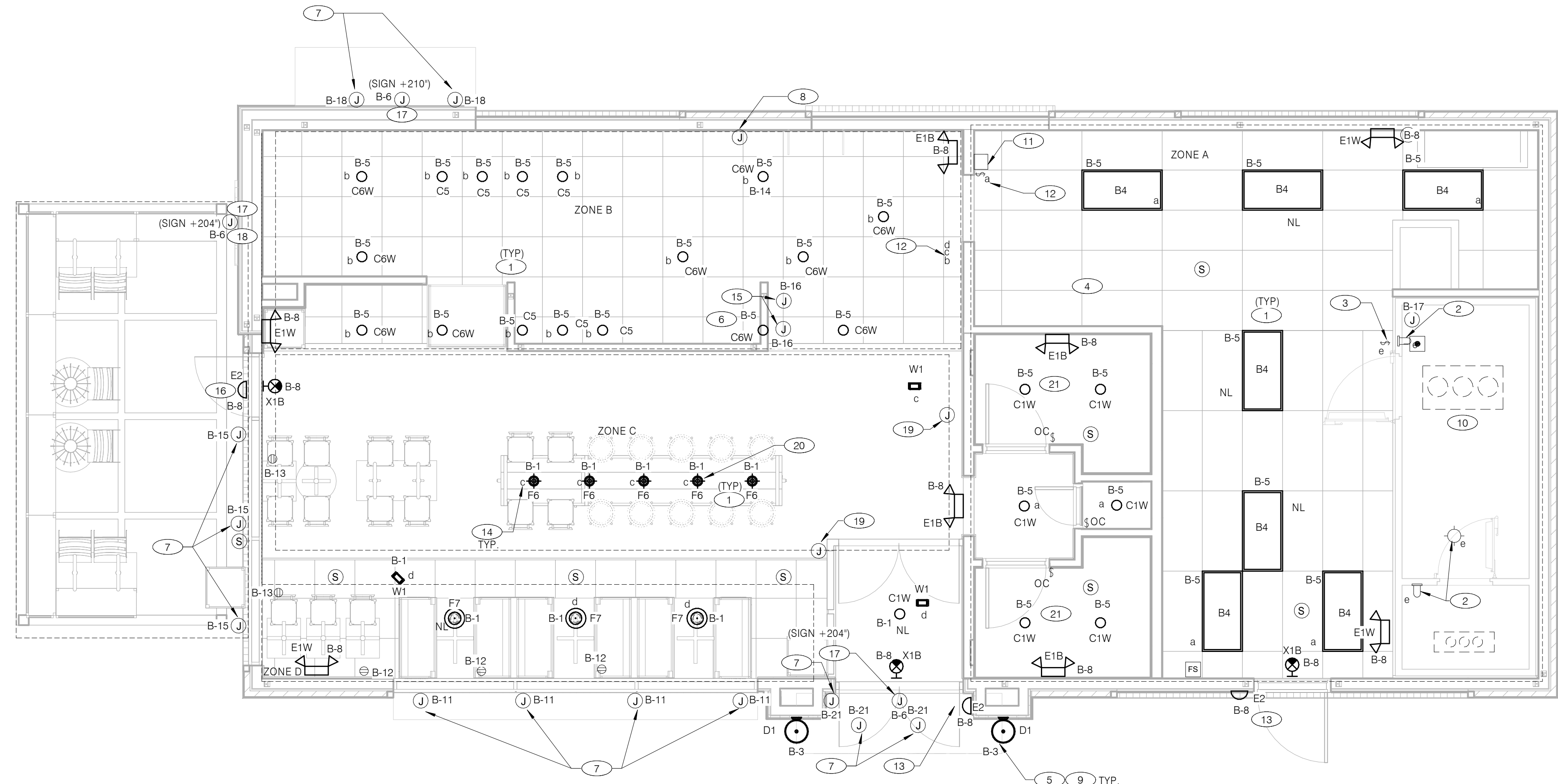
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ELECTRICAL DIMENSIONS PLAN

E3.3



- GENERAL NOTES:
- A. CONFIRM LIGHTING FIXTURE QUANTITIES WITH SUPPLIER.
 - B. EMERGENCY AND NORMAL LIGHTING MARKED WITH "NL" SUBSCRIPT SHALL OPERATE CONTINUOUSLY. PROVIDE UNSWITCHED HOT TO NORMAL AND EMERGENCY BALLAST. EMERGENCY LIGHTING NOT MARKED WITH "NL" SUBSCRIPT SHALL OPERATE UNDER CONTROL OF LIGHTING SWITCH AS INDICATED. PROVIDE UNSWITCHED CONSTANT HOT TO EMERGENCY BALLAST AND SWITCHED HOT TO NORMAL BALLAST.
 - C. ALL CONDUITS ENTERING OR LEAVING COOLER/FREEZER SHALL BE PROVIDED WITH SEAL-OFF FITTING WITH COMPOUND PER NEC 300-(7a).
 - D. ALL INTERIOR LIGHTING CIRCUITS TO BE WIRED THROUGH RELAY. SEE E6.0 & E6.1.
 - E. CONTRACTOR TO FIELD VERIFY CEILING TYPE AND PROVIDE PROPER MOUNTING HARDWARE.
 - F. ALL FIXTURES SUPPLIED WITH LAMPS.
 - G. ALL EXTERIOR NON-EMERGENCY LIGHT FIXTURES, BUILDING SIGNS, AND EXTERIOR SIGNS SHALL BE CONTROLLED THROUGH PHOTOCELL AND LIGHTING CONTROL RELAYS. SEE E6.0 & E6.1 FOR ADDITIONAL DETAILS.

NO.	DATE	DESCRIPTION
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ELECTRICAL LIGHTING PLAN 1/4" = 1'-0" **A**

NO.	QTY	LOCATION	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	MOUNTING	LAMP #/TYPE	BALLAST TYPE	ELECTRICAL DATA	REMARKS
A2	6	SITE	LSI INDUSTRIES	XALM-FT-LED-HO-CW-UE-BRZ	LED AREA LIGHTS FORWARD THROW, BRONZE FINISH		LED		120 V/1-193 VA	
A4	6	SITE	LSI INDUSTRIES	4SQB3-SO7G-25-S-BRZ	4" SQ 7GA 25FT POLE SINGLE DRILL (new locations)		LED			
B4	7	BOH	MAXLITE	MLFP-24EP-4841	2X4 LED TROFFER	RECESSED GRID	LED	NA	120 V/1-45 VA	
C1W	7	OPEN KITCHEN AREA/ FOH	MAXLITE	B6IC-AT-W-LED14DR5630K95	LED DWNLT 14W 6" RECESSED 30K 90CRI WHITE TRIM, W/ ELITE B6IC-AT-W 6" IC AIR SHUT HOUSING	RECESSED	LED		120 V/1-14 VA	
C5	7	OPEN KITCHEN AREA/ FOH	MAXLITE	RR6C20U30Z/RAF6	LED DOWNLIGHT 20W 6" RECESSED 30K 80CRI WHITE TRIM	RECESSED	LED	NA	120 V/1-20 VA	
C6W	10	OPEN KITCHEN AREA/ FOH	MAXLITE	B6IC-AT-W-RR61927WC-L4	LED TRIM 19W 6" RECESSED 27K 90CRI WHITE TRIM, W/ ELITE B6IC-AT-W 6" IC AIR SHUT HOUSING	RECESSED	LED		120 V/1-19 VA	
D1	2	EXTERIOR SCONCE	TROY	B2772	17"X14" WALL MOUNT SCONCE, OLD SILVER FINISH, MEDIUM BASE SOCKET, 100 WATT MAX A.F.F.	WALL CENTER OF BRACKET @14'-0"			120 V/1-60 VA	
E1B	4	FOH	ELITE	ELM-809-B	EMERGENCY LIGHT FROG EYE - BLACK	WALL, TOP @ 9'-4" U.O.N.	-	EM	120 V/1-12 VA	
E1W	4	BOH	ELITE	ELM-809-W	EMERGENCY LIGHT FROG EYE - WHITE	WALL, TOP @ 9'-4" U.O.N.	-		120 V/1-12 VA	
E2	3	EXTERIOR	LIGHTALARMS	CAM-SD-DB-CW	CAMRAY LED EM WALL MNT, DRK BRNZ, CLD WEATHER	UNIVERSAL	-	EM	120 V/1-16 VA	
F6	5	HUB TABLE	KICHLER	43852OZ	9.75" GLASS PENDANT AVERY WITH MED BASE SOCKET RATED 100W MAX OLDE BRONZE FINISH	PENDANT, VARIES	1/LED AAMSCO LED-6W-ST64HYBRID-DIM	NA	120 V/1-6 VA	PLACEHOLDER INCLUDES LAMP
F7	3	FOH	HI-LITES	H24212-96-CB15-20WLBL-60P	12" GALVANIZED PENDANT WITH BLACK CORD AND CANOPY MED BASE SOCKET	RECESSED	1/LED 10A19D0D27K		120 V/1-20 VA	
W1	3	OPEN KITCHEN AREA/ FOH	ConTech Lighting	CTL84C2M27D-P-FA-84-P-LFI6SL/LA18P 60MM	Stealth LED Wall Lighter Track Fixture	SURFACE	LED		Power Connector 120 V/1-35 VA	MOUNT IN MIDDLE OF CEILING TILE, AIM FIXTURE TO CENTER ON GRAPHIC WALL AT BOOTH
X1B	3	EXIT SIGN - BLACK	LIGHTALARMS	GRANRRB	LED UNIVERSAL MNTG THERMOPLASTIC EXIT, RED LETTERS, BLACK HSNQ	UNIVERSAL	-LED	EM	120 V/1-3 VA	

- 1 UTILIZE TIME-CLOCK CONTROLS FOR DINING ROOM CIRCUITS. REFER TO DRAWINGS E6.0 AND E6.1.
- 2 FOR LIGHTING FIXTURES, CONDUIT, CONDUCTORS AND INSTALLATION RESPONSIBILITIES, REFER TO SCOPE OF WORK.
- 3 FIXTURE AND SWITCH FACTORY INSTALLED WITH UNIT. G. C. TO COMPLETE CIRCUITING.
- 4 EXHAUST HOOD LIGHT FIXTURES SUPPLIED WITH HOOD AND MTD IN PRE-WIRED J-BOX. COMPLETE CIRCUITING PER E6.0.
- 5 COORD. J-BOX LOCATION WITH WOOD FRAMING SO IT REMAINS CONCEALED BEHIND FIXTURE. VERIFY MOUNTING HEIGHT WITH ARCH. DWGS.
- 6 OUTLET FOR MENU BOARD. SEE SHEET E3.0. VERIFY POINT OF CONNECTION. 10 LIGHT PANELS WIRED IN SERIES. G. C. TO MAKE FINAL CONNECTION.
- 7 J-BOX FOR EVERBRITE LIGHTING SYSTEM IN CANOPY. PROVIDE DISCONNECTING MEANS FOR LIGHTING. COORDINATE WITH CANOPY MANUFACTURER FOR ADDITIONAL DETAILS.
- 8 J-BOX FOR LIGHT TROUGH AGAINST WINDOW. VERIFY POINT OF CONNECTION. WIRE VIA EXTERIOR LIGHTING CONTACTOR.
- 9 REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR DIMENSIONED LOCATION OF FIXTURE.
- 10 SEAL ALL ELECTRICAL CONDUITS INTO THE WALK-IN COOLER.
- 11 ALERT LIGHT : ONLY APPLIES WHEN A GEN IV POWER SOAK IS USED. DISREGARD IF GEN III POWER SOAK IS USED. SEE SHEET E3.0 FOR POWER REQUIREMENTS.
- 12 PROVIDE LIGHT SWITCHES FOR CONTROL OF LIGHT FIXTURES AS SHOWN. COORDINATE WITH LIGHTING MANUFACTURER FOR TYPE OF SWITCH.
- 13 MOUNT "E2" AT 8'-0" A.F.G. TO CENTER OF FIXTURE. REFER TO ARCHITECTURAL ELEVATIONS.
- 14 SUBSCRIPT "X" CORRESPONDS TO LIGHTING CONTROL SWITCH.
- 15 J-BOX FOR SECURITY (U-052) AND INTERIOR MENU BOARD (L-049) RESPECTIVELY.
- 16 MOUNT "E2" AT 8'-6" A.F.G. TO CENTER OF FIXTURE. REFER TO ARCHITECTURAL ELEVATIONS.
- 17 COORDINATE LOCATION OF J-BOX WITH SIGN VEND. PROVIDE DISCONNECTING MEANS AS REQUIRED. SEE SCOPE OF WORK.
- 18 COORDINATE LOCATION OF J-BOX WITH TOWER VEND. SEE SCOPE OF WORK.
- 19 PROVIDE J-BOX TO END OF UNISTRUT FOR ROUTING OF LIGHTING CABLES TO PENDANT LIGHTING FIXTURES. SEE DETAIL C ON E4.0 FOR ADDITIONAL INFORMATION.
- 20 F6 FIXTURES TO BE MOUNTED FROM HUB TABLE CROSS BAR BY ELECTRICAL CONTRACTOR. COORDINATE HOLES AND WIRING WITH FURNITURE VENDOR. FIXTURES TO BE HUNG AT STAGGERED LENGTHS DOWN FROM THE CROSS BAR. REFER ARCH.
- 21 CIRCUIT RESTROOM LIGHTS AND OCCUPANCY SENSOR SWITCH AHEAD OF TIME CLOCK CONTROLLED RELAY.

KEY NOTES - ELECTRICAL LIGHTING PLAN AND SCHEDULE NTS

CONTRACT DATE: _____
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FLOOR PLAN: ME - T40
REVISION DATE: _____
SITE NUMBER: 313076
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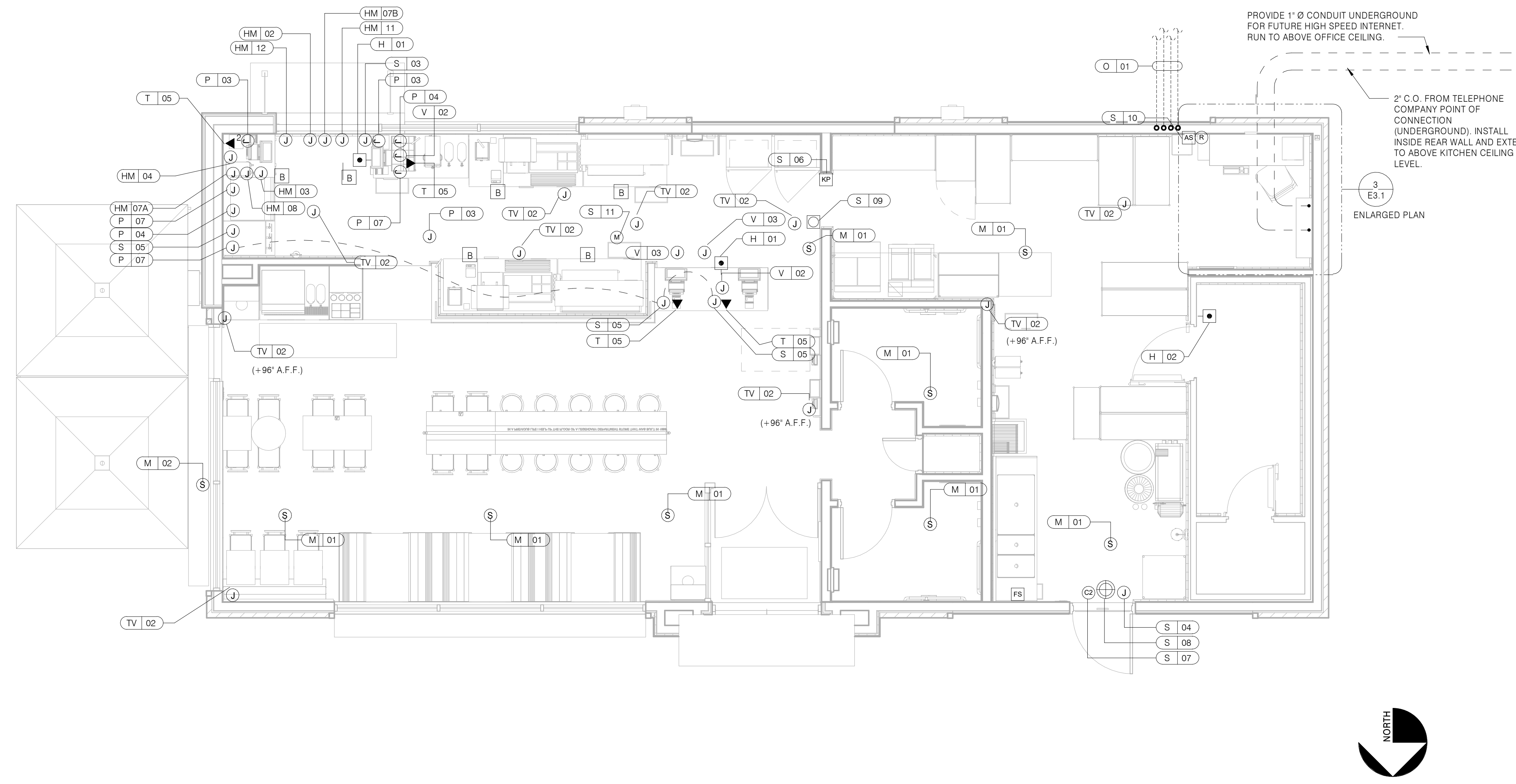
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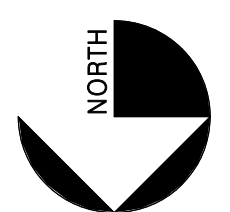
LIGHTING PLAN AND DETAILS

E4.0

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VOLUME CONTROL NOTES:
1) PATIO SPEAKER: DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGER'S OFFICE).
2) DINING ROOM SPEAKERS: DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGER'S OFFICE).
3) KITCHEN SPEAKERS: IF CONNECTED TO THE SOUND SYSTEM, CAN EITHER HAVE VOLUME CONTROL BUILT INTO THE SPEAKER ITSELF, OR HAVE A THIRD DEDICATED WALL-MOUNT VOLUME CONTROL IN LOCATION OF HEAD-END (TYP. MANAGER'S OFFICE).
4) RESTROOM SPEAKERS: VOLUME CONTROL BUILT INTO SPEAKER.



COMMUNICATIONS PLAN 1/4" = 1'-0" **A**

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T40

COMMUNICATIONS PLAN

E5.0

PLOT DATE: 8/21/2019 2:42:02 PM

- COMMUNICATIONS LEGEND** NTS **C**
- HOLD-UP BUTTON (MOUNT 2-1/2" BEHIND COUNTER EDGE)
 - MUSIC SYSTEM SPEAKERS
 - SECURITY STROBE
 - J-BOX
 - 2" x 4" J-BOX W/ DATA PORTS
 - MOTION DETECTOR
 - OCCUPANCY SENSOR, CEILING MOUNTED. SEE DETAILS 1 & 2 / E7.0
 - DOOR CONTACT (LINKED TO AUDIO / VISUAL ALARM)
 - "SOUND ALERT" DEVICE
 - KEYPAD (MTD AT 48" A.F.F.)
 - ALARM SIREN ABOVE CLG
 - BUMP PAD (MOUNT AT FRONT COUNTER)
 - HOOD FIRE SUPPRESSION SYSTEM PULL STATION
 - USB OUTLET

COMMUNICATIONS NOTES NTS **B**

A. SUPPLY AND INSTALL OUTLETS AND CONDUIT FOR OWNER SUPPLIED AND INSTALLED CABLE AND LOW VOLTAGE WIRING (U.O.N.). TELEPHONE AND MUSIC SYSTEM WIRING SHALL BE SUPPLIED AND INSTALLED. SEE SCOPE OF WORK SHEETS.

B. SEE SHEETS E3.0 AND E3.1 FOR ELECT. INFO ON POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, TELEPHONE SYSTEM, MUSIC SYSTEM, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.

C. THIS PLAN INCLUDES CONDUITS AND J-BOXES FOR POS, SECURITY SYSTEM, CCTV SYSTEM, (OFFICE) COMPUTER, TELEPHONE SYSTEM, MUSIC SYSTEM, DRIVE-THRU TIMER AND DRIVE-THRU COMMUNICATION SYSTEM.

D. ALL OUTLETS AND BOXES MOUNTED IN THE SERVING COUNTER CABINETS ARE TO BE 24" AFF. INSTALL JUNCTION BOXES WITH CONDUIT UNDER CABINET TO NEAREST WALL AND TO ABOVE CEILING.

COMMUNICATIONS ROUGH-IN SCHEDULE				
COMM. TYPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
H	01			SEE DETAIL 6/E3.1.
H	02	WALL MOUNTED HOLD-UP BUTTON	+18" A.F.F.	SURFACE MTD. 2X4 J-BOX ON INSIDE OF WALK-IN FREEZER HINGE WALL W/ (1) 1/2" CONDUIT TO ABOVE KITCHEN CEILING. BUTTON FACING DOWN. SEE DETAIL 3/E3.1
HM	02	D/T TIMER SIGNAL PROCESSOR J-BOX	+126" A.F.F.	4X4X4" DEEP (MIN.) J-BOX ABV. CLG. W/ (1) 1" CONDUIT TO HM-07B, (1) 1" CONDUIT TO HM-04, (1) 1-1/2" CONDUIT TO HM-08 & (1) 1" CONDUIT TO HM-12. SEE DET. 5/E3.1.
HM	03	D/T BASE STATION J-BOX	+72" A.F.F.	4X4 J-BOX @ D/T BASE STATION W/ (1) 1-1/2" C TO HM-08 & (1) 1-1/2" C TO HM-07A. SEE DETAIL 5/E3.1.
HM	04	D/T COMM SYSTEM J-BOX	+18" A.F.F.	4X8 J-BOX W/ (1) 1" CONDUIT TO HM-02, (1) 1" CONDUIT TO HM-07A, (1) 1" CONDUIT TO PICK-UP WINDOW D/T LOOP, AND (3) 1" CONDUIT TO D/T MENU BOARD. SEE DETAIL 7/E3.1
HM	07A	D/T TIMER DISPLAY J-BOX	+62" A.F.F.	2X4 J-BOX W/ (1) 1-1/2" CONDUIT TO HM-03 & (1) 1" C TO HM-04. SEE DETAIL 5/E3.1.
HM	07B	D/T TIMER DISPLAY J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-02. SEE DETAIL 5/E3.1
HM	08	D/T J-BOX	+96" A.F.F.	4X4X4" DEEP (MIN.) J-BOX W/ (1) 1-1/2" CONDUIT TO HM-03 & (1) 1-1/2" CONDUIT TO HM-02. SEE DETAIL 5/E3.1.
HM	11	D/T CONTROL UNIT J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-12. SEE DETAIL 5/E3.1.
HM	12	D/T/ ETHERNET SWITCH J-BOX	+126" A.F.F.	2X4 J-BOX ABV. CEILING W/ (1) 1" CONDUIT TO HM-11, (1) 1" CONDUIT TO HM-02 & (1) 1" CONDUIT TO OFFICE ROUTER.
M	01	SPEAKER	CEILING	SPEAKER WIRING FROM SPEAKERS IN DINING ROOM TO AMPLIFIER IN OFFICE. FOR EXACT LOCATION OF SPEAKERS, SEE LIGHTING PLAN SHEET E4.0.
M	02	PATIO SPEAKER	TBD	BLACK SURFACE-MOUNT WEATHER RESISTANT SPEAKER
O	01	(4) 1" DATA CONDUITS	U.G.	FROM MENU BOARD/SPEAKER POST TO ABOVE CEILING FOR OCB AND D/T/ COMM. SYSTEM. SEE DETAIL 3/E7.0
P	03	KITCHEN MONITOR J-BOX	+84" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO ABOVE CEILING
P	04	BUMP PAD J-BOX	+24" A.F.F.	2X4 J-BOX W/ (1) 3/4" CONDUIT TO P-03.
P	07	POS J-BOX W/ 2-1/2" DIA HOLE IN COVER PLATE	+24" A.F.F.	6X6X4" DEEP J-BOX W/ 2-1/2" CONDUIT IN WALL TO ABV. CEILING, WITH PULL STRING FOR POS.
S	03	J-BOX SECURITY SYSTEM	+30" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABV. CLG. FOR HOLD-UP BUTTON SIGNAL WIRE.
S	04	J-BOX SECURITY SYSTEM	+84" A.F.F.	2X4 J-BOX W/ COVER & (1) 1/2" CONDUIT TO ABOVE CEILING.
S	05	J-BOX SECURITY SYSTEM	+24" A.F.F.	2X4 J-BOX W/ 3/4" CONDUIT TO S-05 AND TO ABOVE CEILING.
S	06	J-BOX SECURITY SYSTEM	+48" A.F.F.	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR SECURITY SYSTEM KEYPAD.
S	07	J-BOX SECURITY SYSTEM	TOP OF JAMB	2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING FOR DOOR CONTACT.

COMMUNICATIONS ROUGH-IN SCHEDULE				
COMM. TYPE	COMM. #	EQUIPMENT ITEM	ELEVATION	REMARKS
S	08	"SOUND ALERT" DEVICE	CEILING	CONNECT TO SECURITY SYSTEM.
S	09	SECURITY STROBE LIGHT	CEILING	CONNECT TO SECURITY SYSTEM.
S	10	ALARM SIREN	ABV. CEILING	CONNECT TO SECURITY SYSTEM.
S	11			
T	03	VOICE LINE PHONE JACK	+106" A.F.F.	2X4 J-BOX W/ DOUBLE RJ-11 PHONE JACK & 1" CONDUIT TO ABOVE CEILING
T	04	COMPUTER PHONE JACK (SEE ENLARGED PLAN)	+42" A.F.F.	2X4 J-BOX W/ RJ-11 PHONE JACK AND 1" CONDUIT TO ABOVE CEILING.
T	05	POS PHONE JACK	+24" A.F.F.	2X4 J-BOX W/ 1" CONDUIT TO ABOVE CEILING.
TV	02		+96" A.F.F.	MINI-DOME CAMERA MTD. TO BTM. OF MENU BOARD BULKHEAD. 2X4 J-BOX W/ (1) 1/2" CONDUIT TO ABOVE CEILING MTD. ON BACK SIDE OF BULKHEAD (6 TOTAL).
V	02	CREDIT CARD READER (VSAIT)	+24" A.F.F.	2X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES.
V	03	DIGITAL MENUBOARD	+106" A.F.F.	J-BOX MTD. TO TOP OF MENU BOARD BULKHEAD. 2X4 J-BOX W/ (1) 1/2" CONDUIT (2 TOTAL)
S	01	J-BOX SECURITY SYSTEMS	+48" A.F.F.	4X4 J-BOX AT SECURITY SYSTEM CONTROL PANEL W/ (1) 2" CONDUIT TO S-02
S	02	J-BOX SECURITY SYSTEMS	+106" A.F.F.	4X4 J-BOX ADJACENT TO T-02 W/ (1) 2" CONDUIT TO S-01
S	12	J-BOX SECURITY DVR	+42" A.F.F.	2X4 J-BOX FOR SECURITY DVR
T	02	SECURITY SYSTEM PHONE JACK	+106" A.F.F.	2X4 J-BOX ADJACENT TO S-02 W/ RJ-31X PHONE JACK
V	01	ALTERNATE PAYMENT ROUTER BOX	+90" A.F.F.	4X4 J-BOX W/ 1/2" CONDUIT TO ABOVE CEILING FOR ETHERNET CABLES (DOUBLE JACK)
HM	10	OCB SWITCH	+52" A.F.F.	2X4 J-BOX W/ 1" CONDUIT TO ABOVE CEILING
IR	01	IRRIGATION TIMER	+80" A.F.F.	4X4 J-BOX W/ 1" CONDUIT TO IRRIGATION VALVES

Taco Bell BMS Control Box

The intent of the BMS Control Box is to activate or deactivate the following:

- Kitchen Lighting
- Dining Room Lighting
- Exterior Lighting
- Exterior Signs
- Exhaust hood exhaust fan
- Exhaust hood lighting
- Make up air / replacement air fan
- Rest room / cook line exhaust fan
- Managers Office lighting & at least one duplex outlet

Sequence of Operation

Occupied Mode

A Timeclock in the Control Box is programmed to place the building in Occupied mode 15 minutes before the first Team Member arrives on the premises. This allows power to proceed to the following:

- The photocell for the Parking Lot Lights and Open/Closed switch
 - The restroom and cook line exhaust fan marked "EF-2"
 - Light switches for the dining room lights
 - The kitchen and rest room lights
 - A timer relay for the exhaust hood motor starter marked "EF-1" and a relay (IR) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2.
- The timer relay for the exhaust hood motor starter immediately activates motor starter EF-1 and relay IR. When activated, motor starter EF-1 contacts close providing power to the exhaust hood exhaust fan. It also closes auxiliary contacts that turn on the exhaust hood lights. Activation of relay IR causes the contacts for RTU 1 and RTU 2 to close, returning 24 volts to the evaporator fan controller of each respective unit.

Occupied mode may also be invoked when optional Occupancy sensors and or an Occupied switch located in the managers office is activated or placed in the Occupied position.

Unoccupied Mode

The Timeclock in the Control Box is programmed to place the building in "Unoccupied" mode at a time provided by Operations.

This removes power for the following:

- Photocell for the Parking Lot Lights and the Open/Closed switch
- The Interior lights
- The R-1 relay
- The exhaust fans

The timer relay for the exhaust hood motor starter continues power to motor starter EF-1 and the relay (IR) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2 for fifteen minutes after the loss of power to the timer. Motor starter EF-1 continues to provide power to the exhaust hood exhaust fan. It also keeps closed the auxiliary contacts

that turn on the exhaust hood lights. Power also continues to relay (IR) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2. After fifteen minutes without power to the timer, the timer opens contacts to EF-1 motor starter, the auxiliary hood lighting contacts and relay (IR) for the make up air replacement fan (evaporator fan) in RTU 1 and RTU 2. This drops power to the exhaust fan and the hood lights. Relay IR opens its contacts interrupting the 24 volts returned to RTU 1 and RTU 2 evaporator fan controllers. RTU 1 and RTU 2 evaporator fans may continue to operate if their respective thermostats or zone controllers are calling for evaporator fan operation.

In the event of a rise in temperature above 85 degrees in the exhaust hood, control voltage will be sent to the timer relay for the exhaust hood motor starter which will immediately activate motor starter EF-1 and relay IR. When activated, motor starter EF-1 contacts close providing power to the exhaust hood exhaust fan. It also closes auxiliary contacts that turn on the exhaust hood lights. Upon activation of relay IR, the contacts for RTU 1 and RTU 2 close, returning 24 volts to the evaporator fan controller of each unit.

When in Unoccupied mode and upon a drop in temperature below 85 degrees in the exhaust hood, control voltage to the timer delay is dropped however the timer relay for the exhaust hood motor starter continues power to motor starter EF-1 and the relay (IR) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2 for fifteen minutes after the loss of control power to the timer. Motor starter EF-1 continues to provide power to the exhaust hood exhaust fan. It also keeps closed the auxiliary contacts that turn on the exhaust hood lights. Power also continues to relay (R1) for the make up air replacement fan (evaporator fan) in RTU 1 and RTU 2. After fifteen minutes without power to the timer, the timer opens contacts to EF-1 motor starter, the auxiliary hood lighting contacts and relay (IR) for the make up air replacement air fan (evaporator fan) in RTU 1 and RTU 2. This drops power to the exhaust fan and the hood lights. Relay IR opens its contacts interrupting the 24 volts returned to RTU 1 and RTU 2 evaporator fan controllers. RTU 1 and RTU 2 evaporator fans may continue to operate if their respective zone controllers are calling for evaporator fan operation.

Any detection by the Occupancy sensor in the Managers office or the optional Remote Occupancy Sensor or the optional Remote Occupancy Switch will override the Timeclock and keep the building in OCCUPIED mode.

OPEN/CLOSED Automatic and Manual Operation

An OPEN/CLOSED switch exists on the front panel of the Control Box. This switch has three positions. When in the Automatic position, a timeclock will activate the Signs and Exterior Lights, provided the Photocell has determined that it is dark enough outside for the lights to be on, at a time that has been programmed into the timeclock. A Team Member may place the OPEN/CLOSED switch in the Manual OPEN or Manual CLOSED position to override the timeclock operation of the Open mode or Closed mode.

Manual OPEN Mode

When a Team Member places the OPEN/CLOSED switch in the Manual OPEN position it activates the Signs and Exterior Lights when the Photocell determines it is dark enough for the lights to be on. The store will remain in the OPEN operation until the switch is moved to either the CLOSED position or the Automatic timeclock operation.

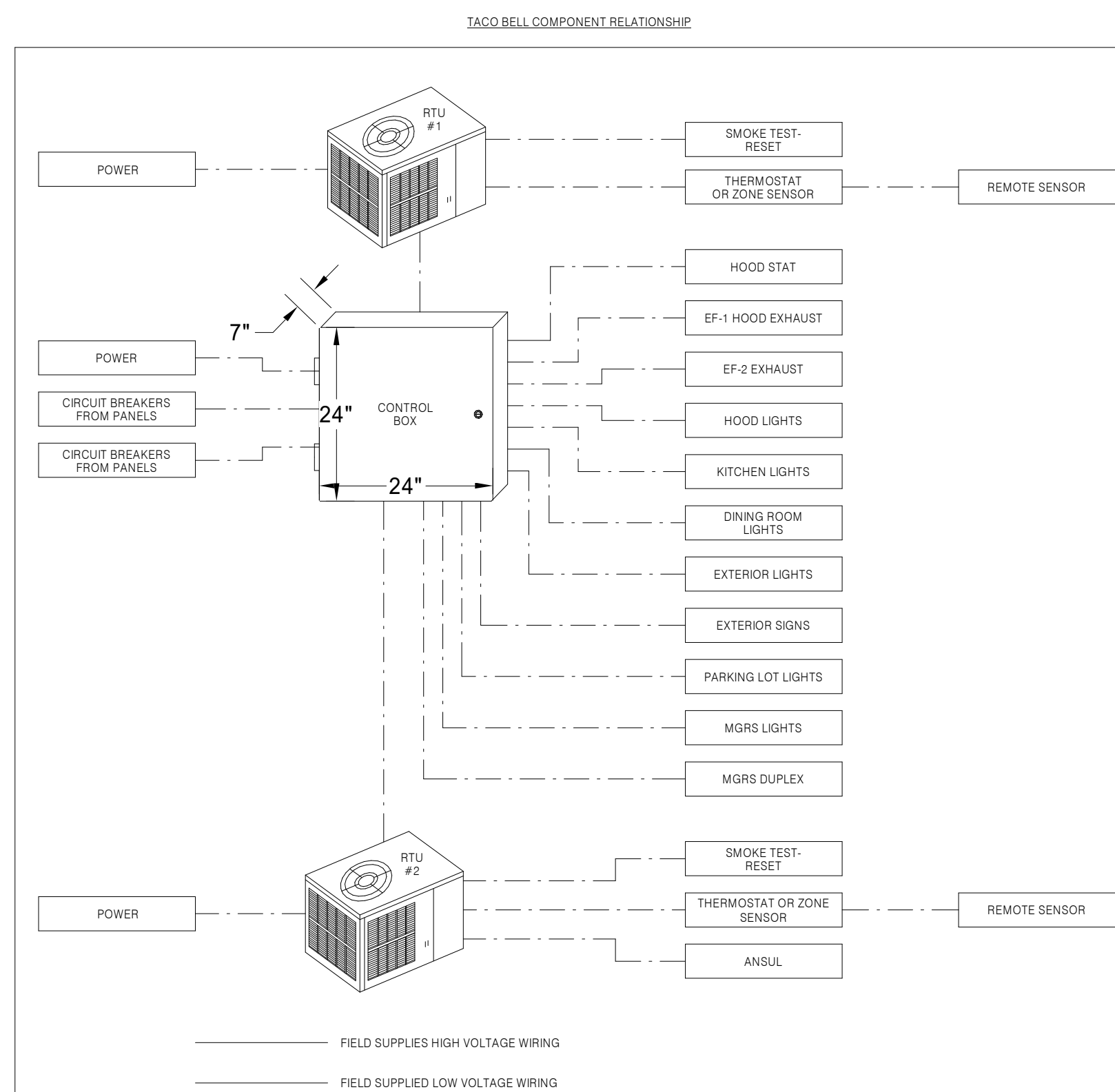
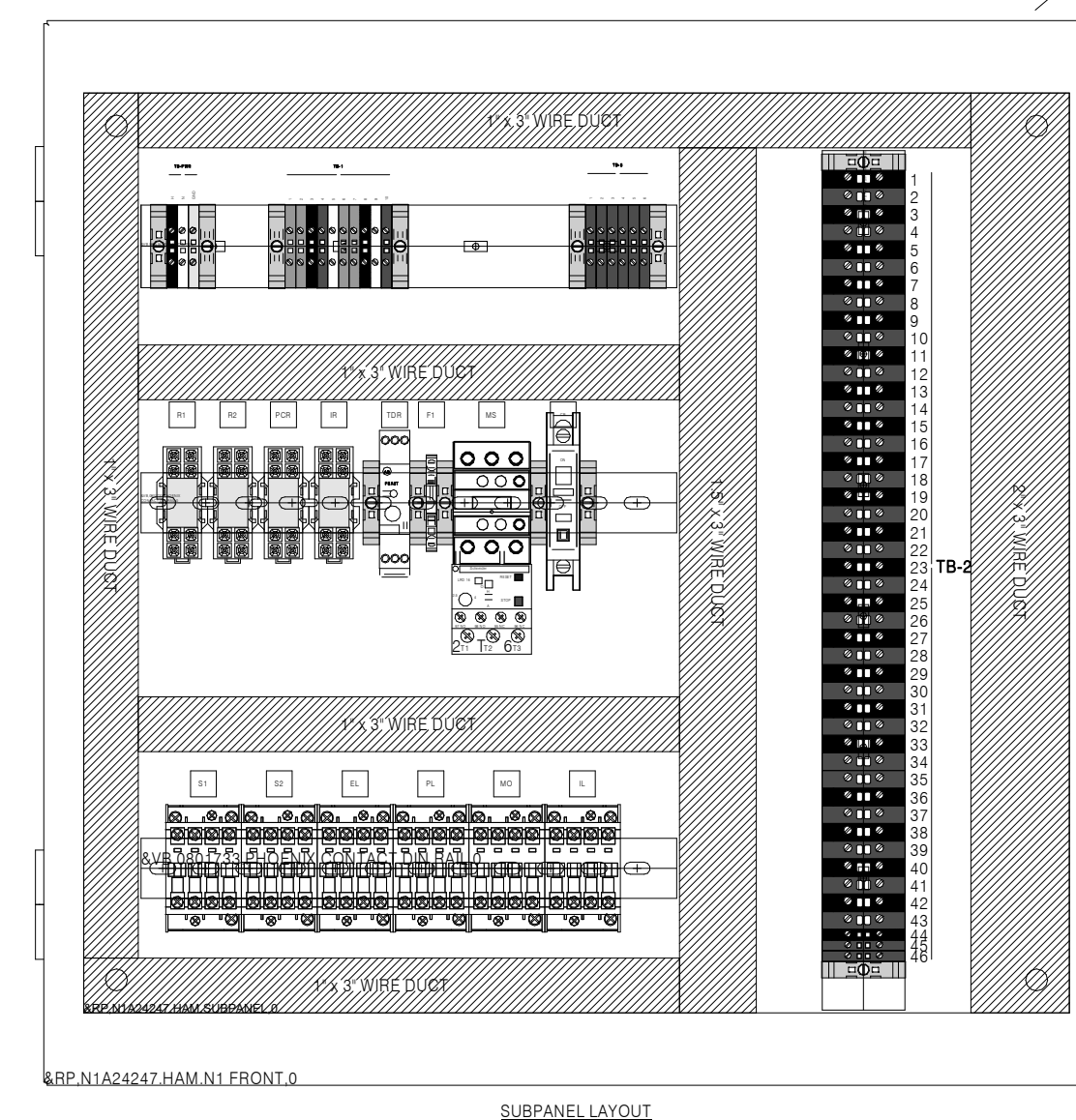
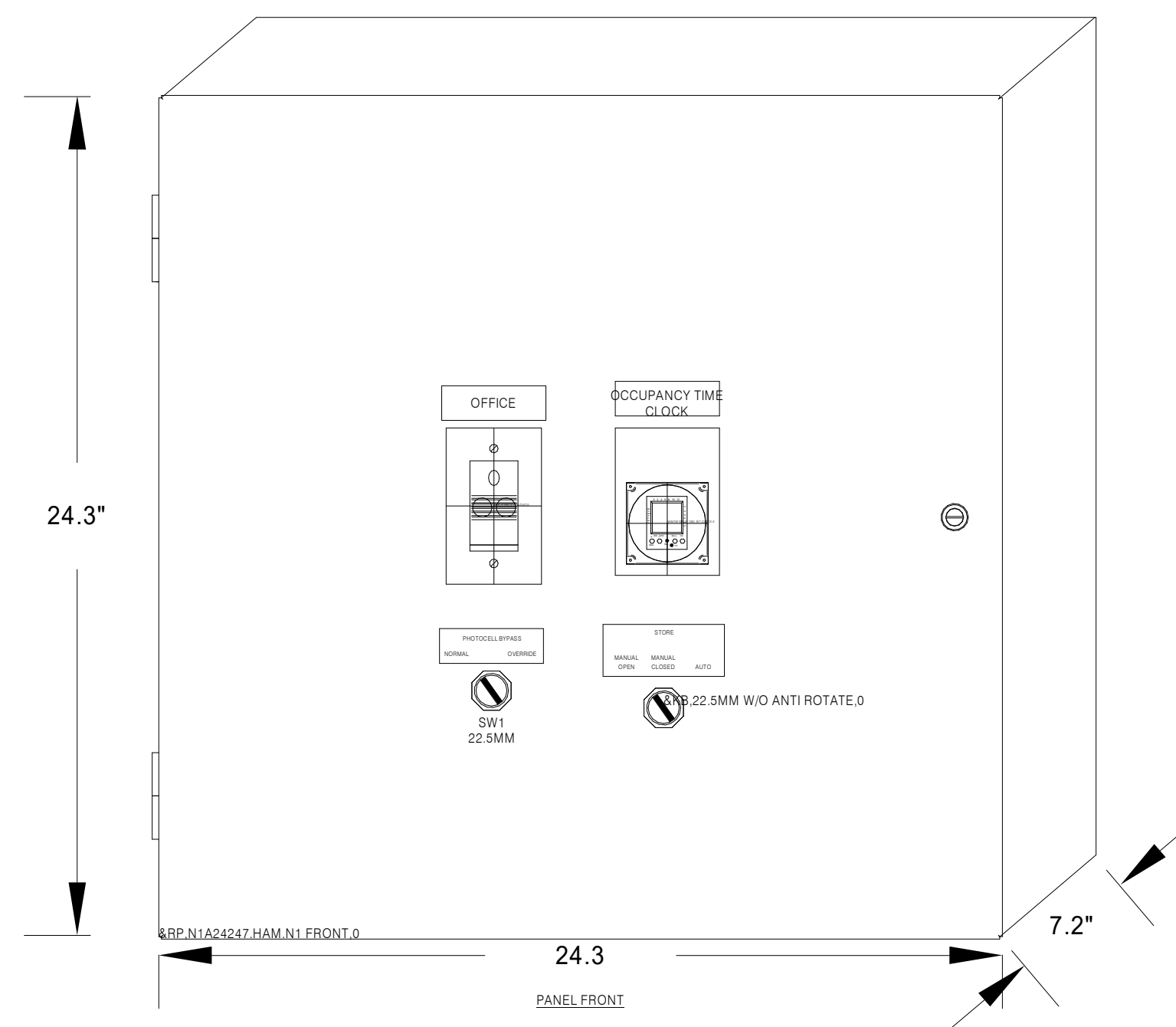
Manual CLOSED Mode

When a Team Member places the OPEN/CLOSED switch in the Manual CLOSED position it turns off the Signs and Exterior Lights. The store will remain in the CLOSED operation until the switch is moved to either the OPEN position or the Automatic timeclock operation.

External Operations Not Part Of The Control Box Operation But Required To Be Installed

The following operations should take place between the package units and various components:

- Control voltage for RTU 2 shall pass through contacts in the fire suppression system for the exhaust hood so that RTU 2 evaporator fan shuts down upon an activation of the fire suppressant into the hood. The system shall be wired directly between the fire suppression system and RTU 2.
- A remote smoke detector system featuring testing, annunciation and remote unit reset shall be installed in the manager's office for each RTU. The system shall be wired directly between each RTU and its respective testing, annunciation and reset device.



CONTROL BOX
Taco Bell's supplier of the Control Box is Air CareExperts. The Control Box includes the box and all Experts. The Control Box includes the box and all components shown within the box and internal wiring between the components.

Primary Contact: Chuck McCabe
Phone: 949 770 2222
Fax: 949 770 5885
Email: cmccabe@ace-iaq.com

Be prepared at time of order or quote to specify the manufacturer of the package units.



FOR REFERENCE ONLY

Date	Description
08.21.19	Issued for Construction

CONTRACT DATE:
BUILDING GROUP: GROUND-UP
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REVISION DATE:
SITE NUMBER: 313076
STORE NUMBER: 2018088.30

Taco Bell
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DAVISON, MI 48423



TBCCB DETAILS

E6.0

PLOT DATE: 8/21/2019 2:42:07 PM

FOR REFERENCE ONLY

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CONTRACT DATE: BUILDING GROUP: GROUND-UP
FLOOR PLAN: ME - T40
REVISION DATE: SITE NUMBER: 313076
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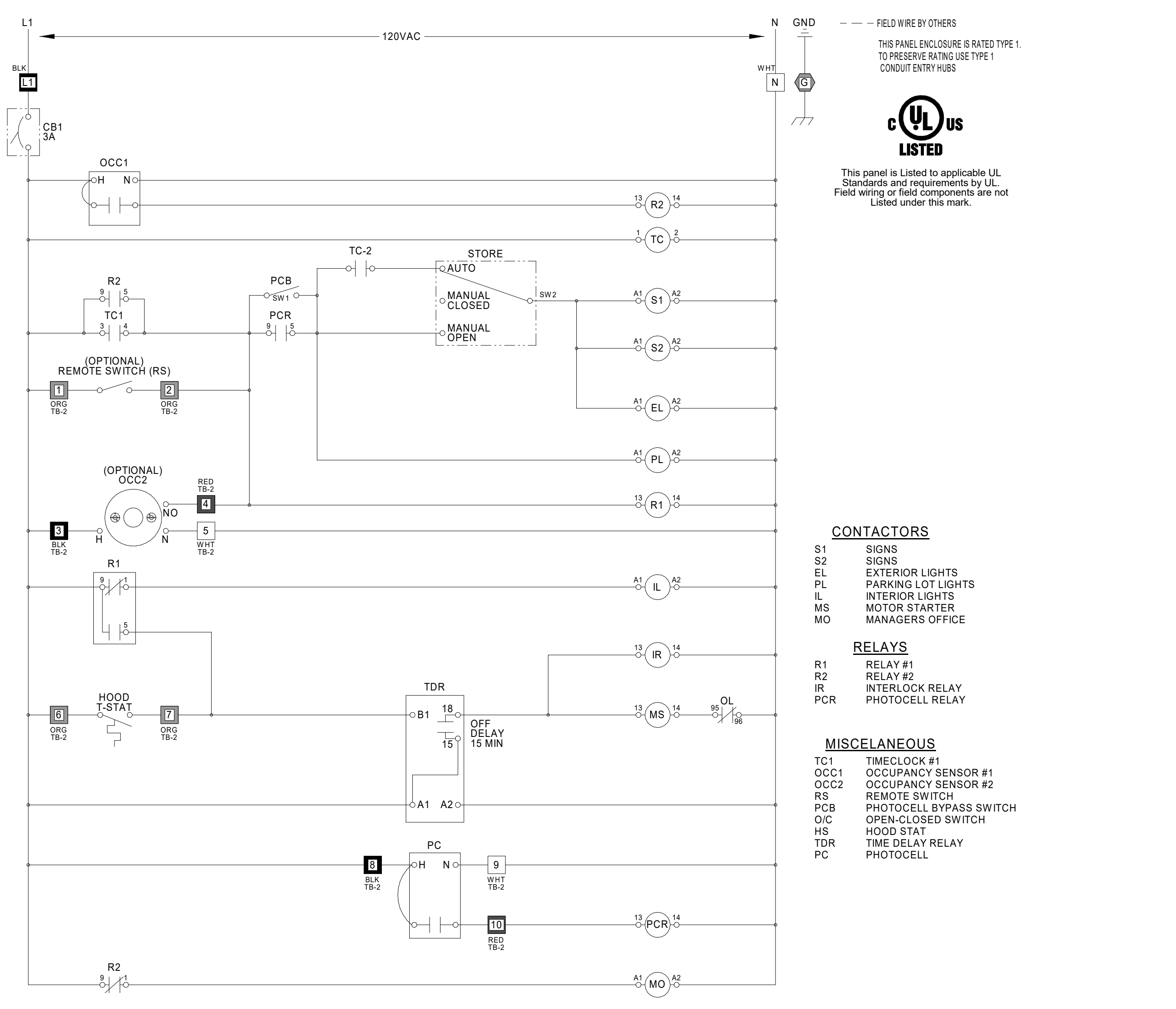
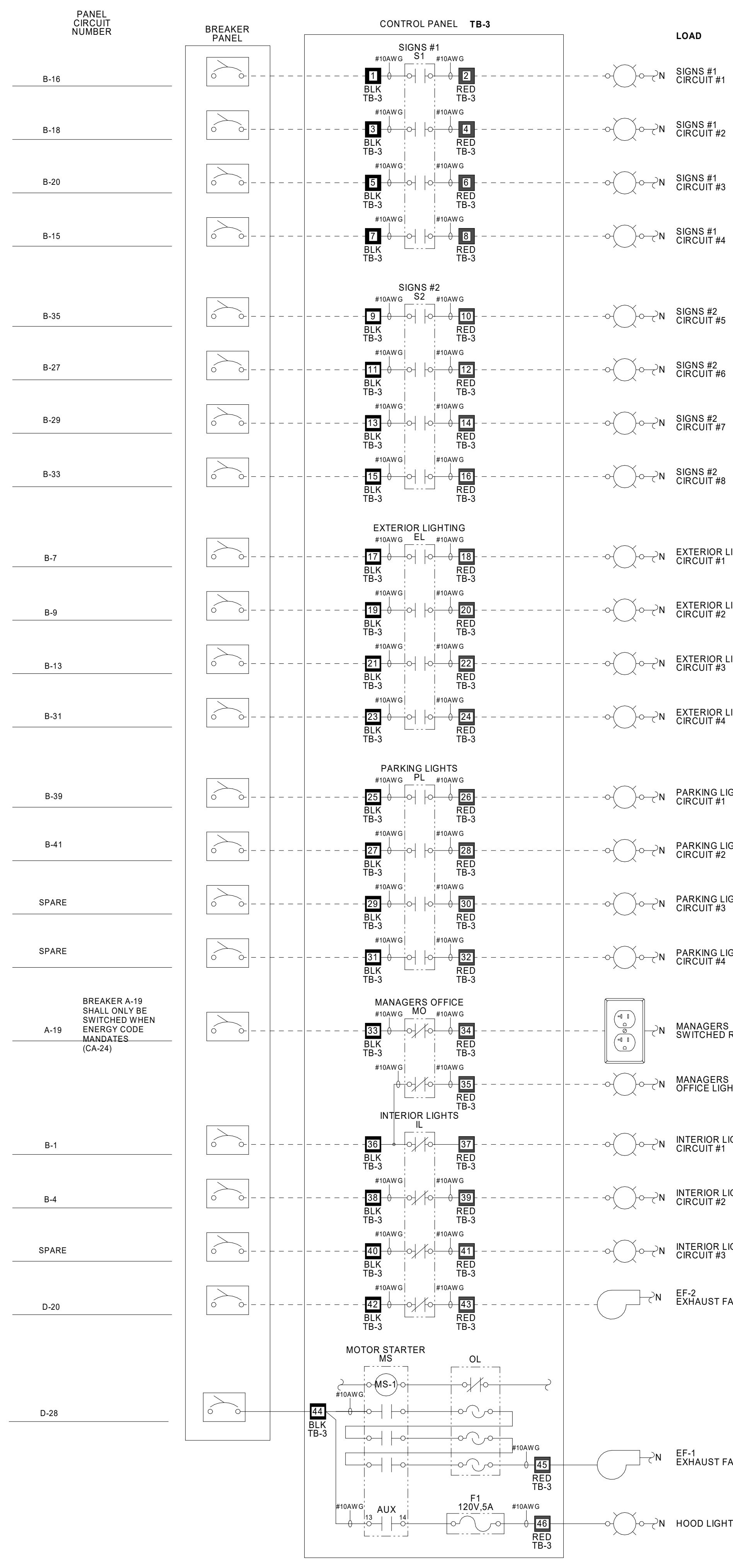
Taco Bell
7931 LAPEER RD
DAVISON, MI 48423



T40

TBCCB DETAILS

E6.1

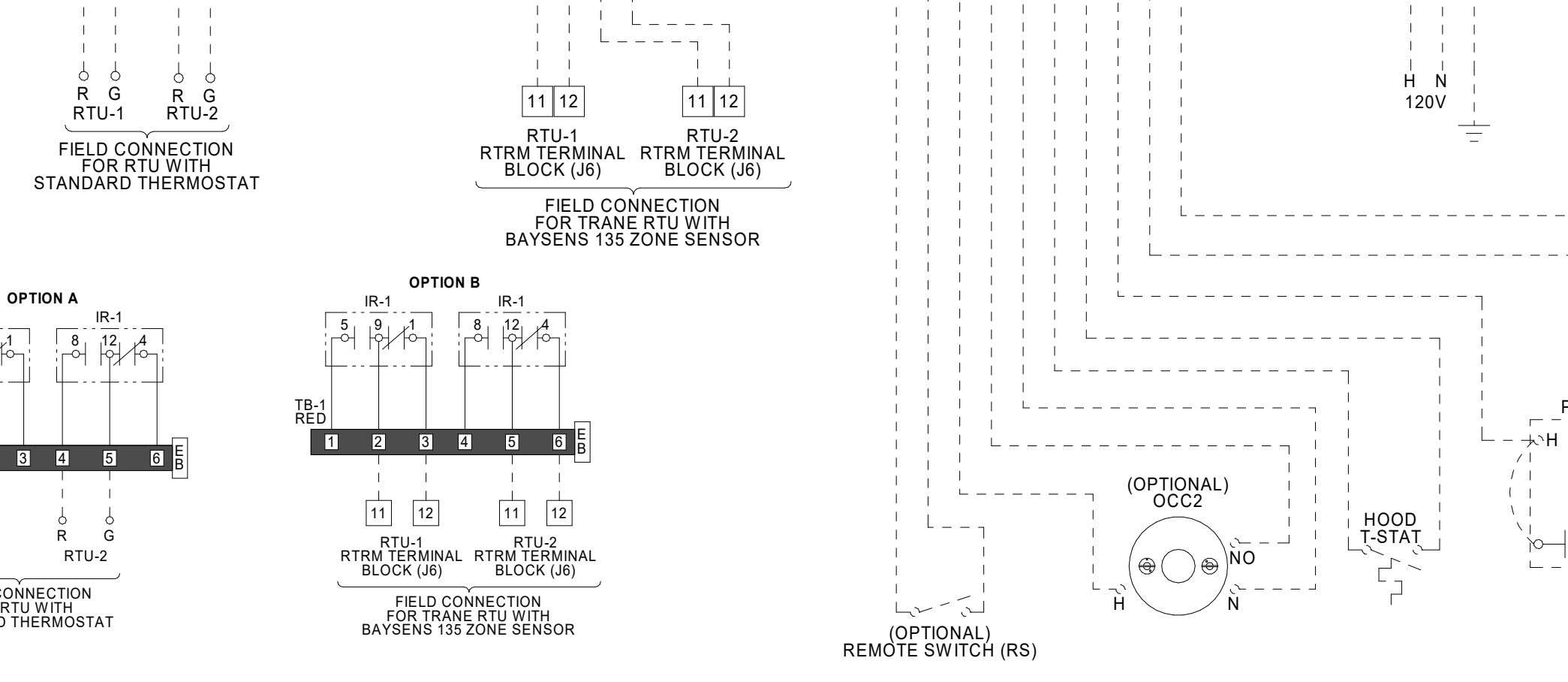
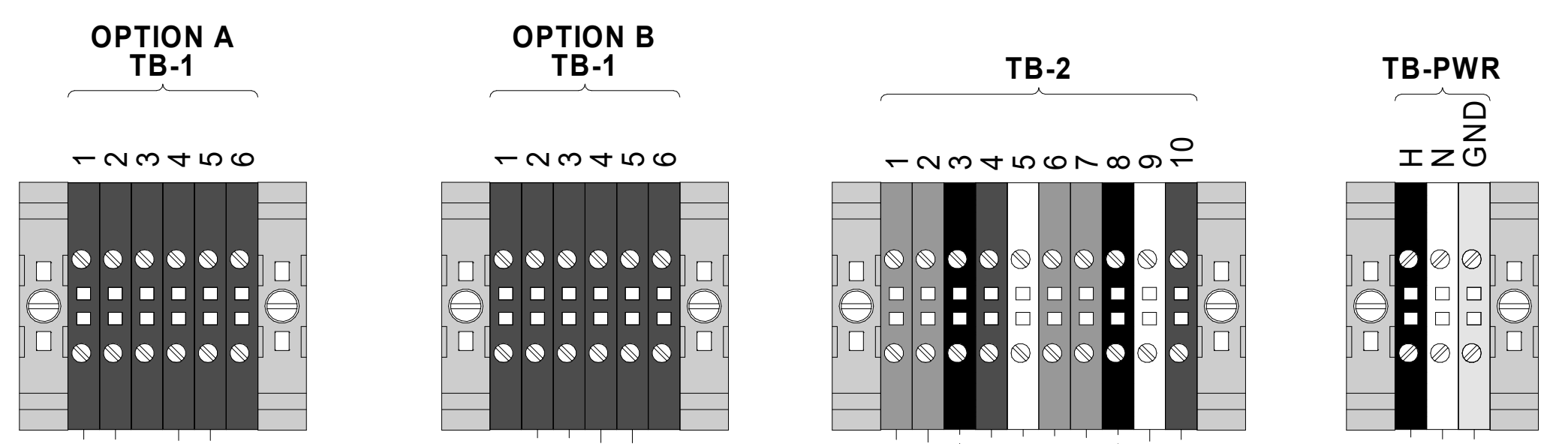


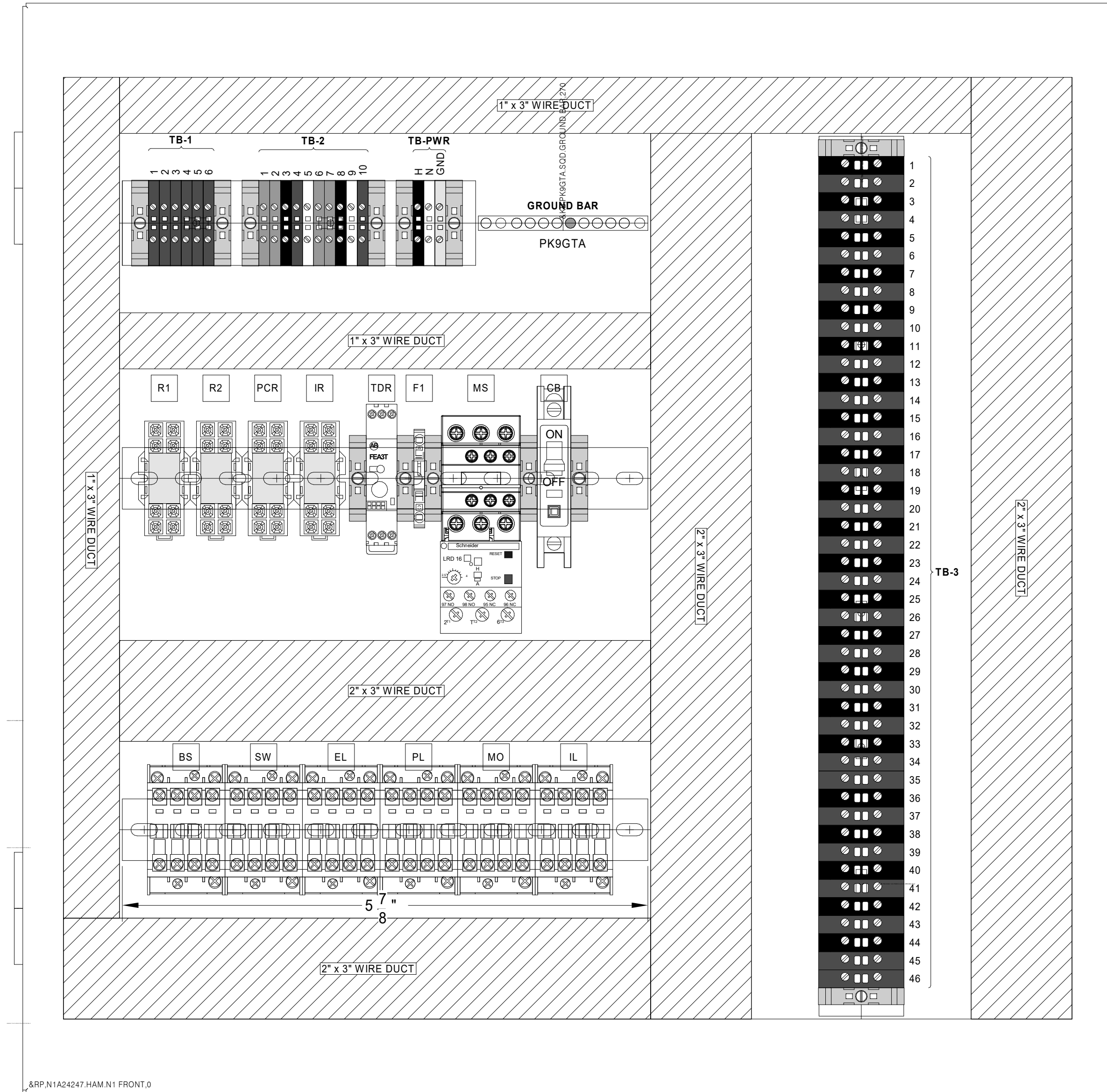
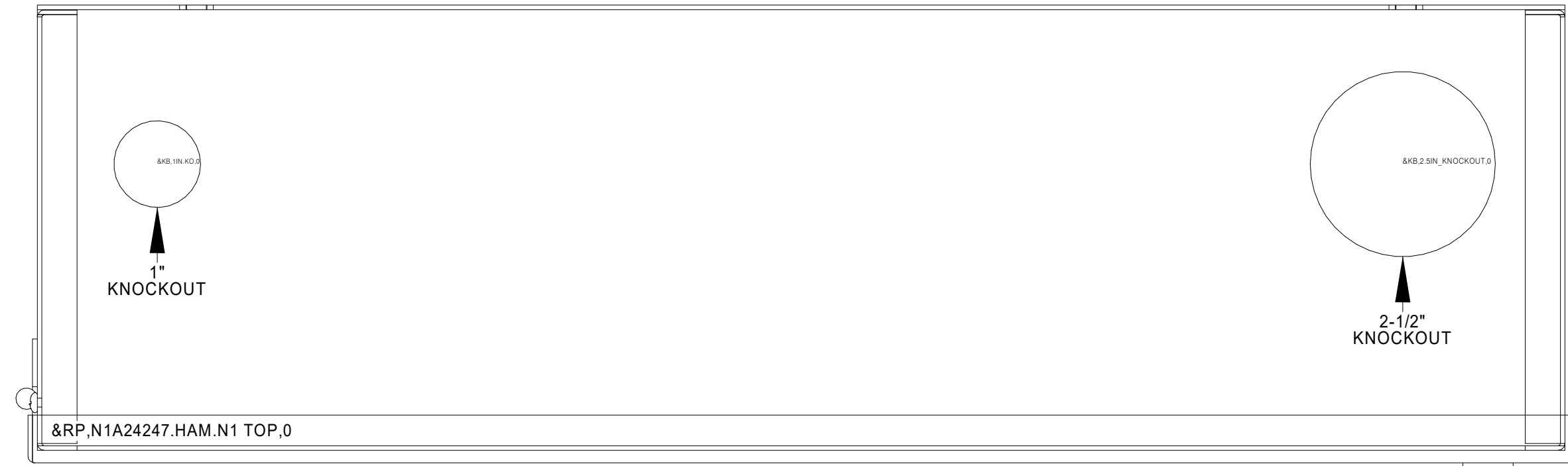
FIELD WIRE BY OTHERS
THIS PANEL ENCLOSURE IS RATED TYPE 1 TO PRESERVE RATING USE TYPE 1 CONDUIT ENTRY HUBS

UL LISTED

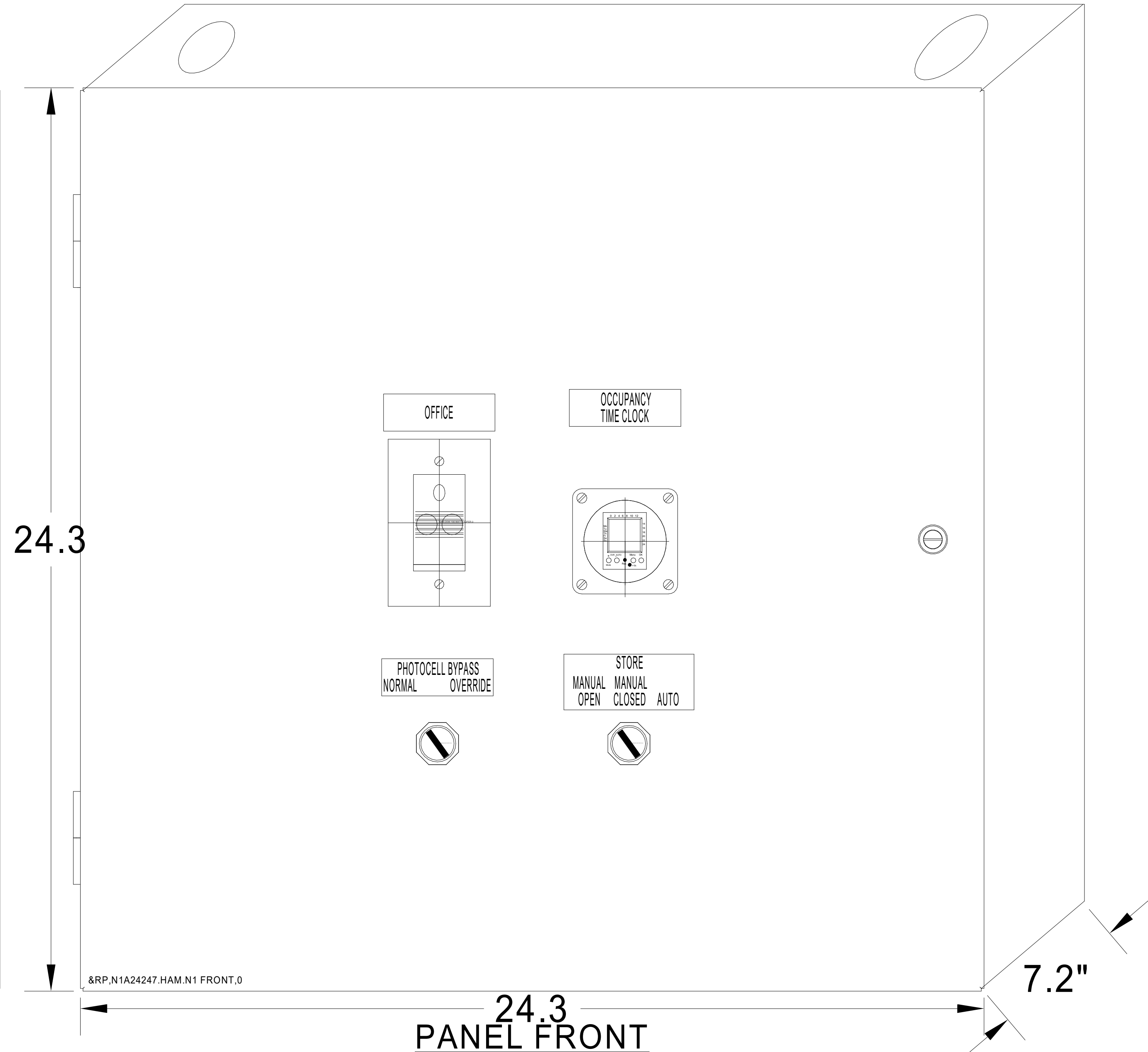
This panel is Listed to applicable UL Standards and requirements by UL. Field wiring or field components are not Listed under this mark.

- CONTACTORS**
- S1 SIGNS
 - S2 SIGNS
 - EL EXTERIOR LIGHTS
 - PL PARKING LOT LIGHTS
 - IL INTERIOR LIGHTS
 - MS MOTOR STARTER
 - MO MANAGERS OFFICE
- RELAYS**
- R1 RELAY #1
 - R2 RELAY #2
 - IR INTERLOCK RELAY
 - PCR PHOTOCELL RELAY
- MISCELLANEOUS**
- TC1 TIMECLOCK #1
 - OCC1 OCCUPANCY SENSOR #1
 - OCC2 OCCUPANCY SENSOR #2
 - RS REMOTE SWITCH
 - PCB PHOTOCELL BYPASS SWITCH
 - O/C OPEN-CLOSED SWITCH
 - HS HOOD STAT
 - TDR TIME DELAY RELAY
 - PC PHOTOCELL





SUBPANEL LAYOUT



PANEL FRONT

FOR REFERENCE ONLY

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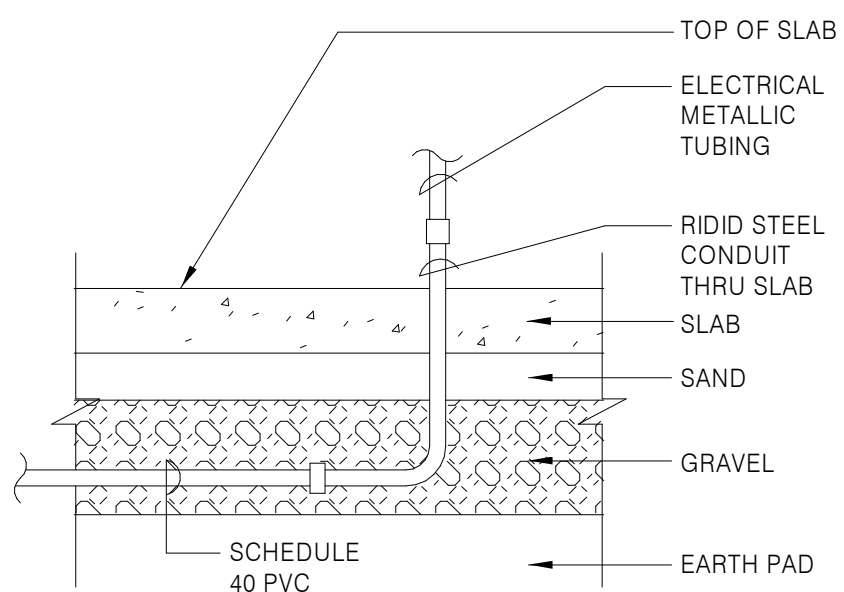


T40

TBCCB DETAILS

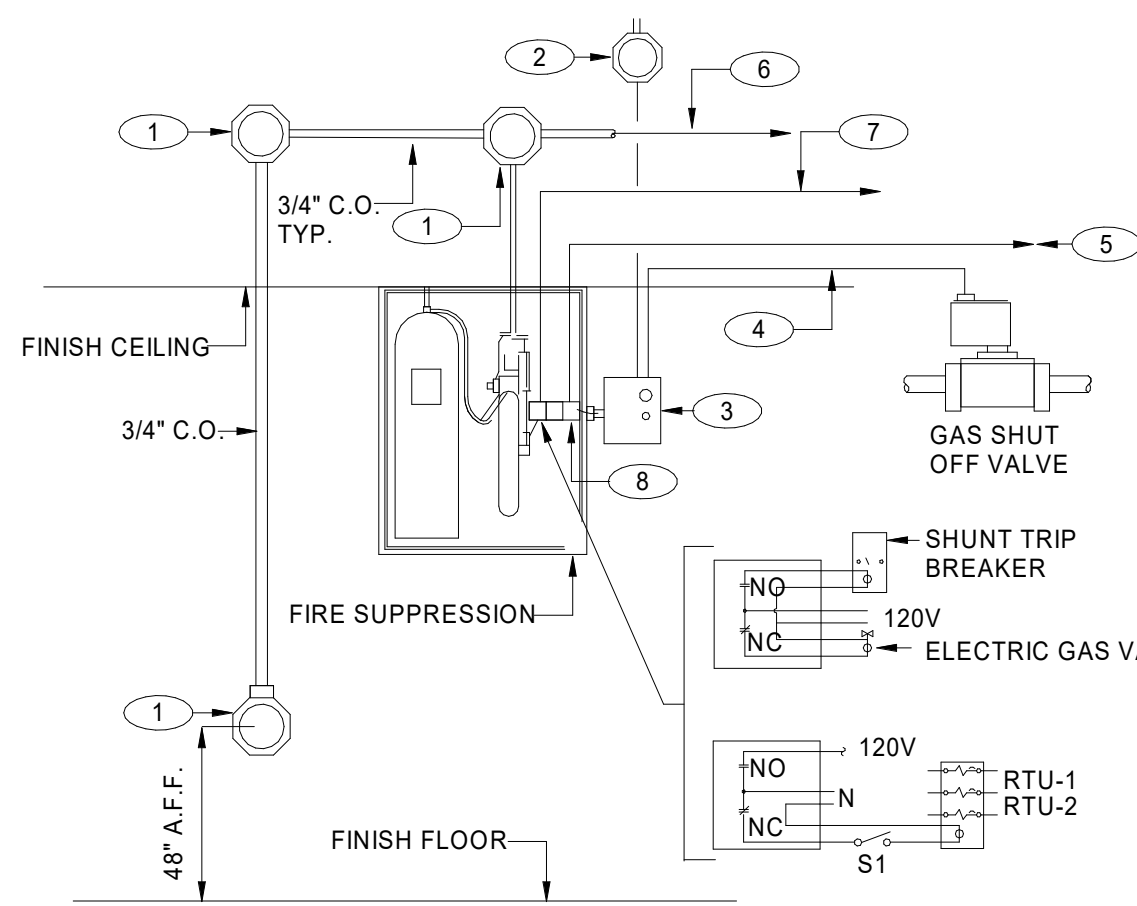
E6.2

PLOT DATE: 8/21/2019 2:42:17 PM



NOTE: GREEN GROUND WIRE REQUIRED IN ALL CONDUITS, SIZED PER N.E.C. REQUIREMENTS.

UNDER SLAB CONDUIT1 12' = 1'-0" **6**

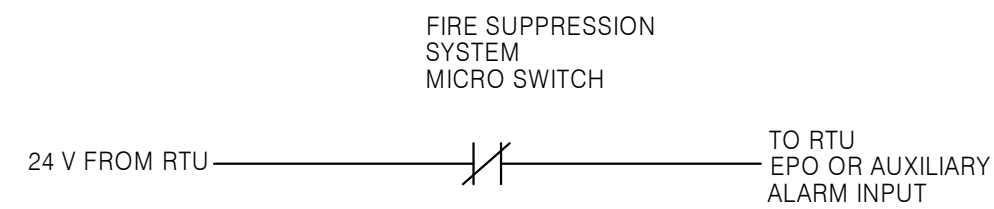


GENERAL NOTES:
1. REFER TO SHEET M3.0

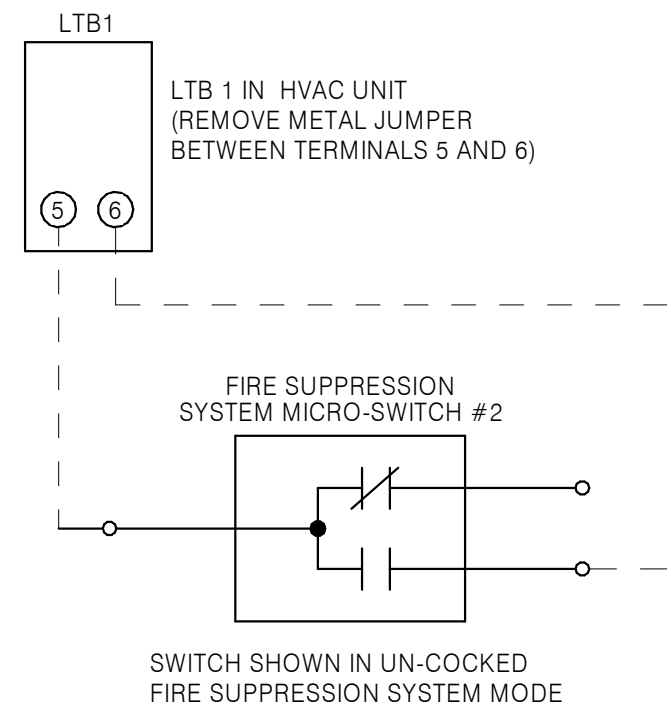
KEY NOTES:

- 1 PROVIDE 4" OCTAGONAL J-BOX.
- 2 PROVIDE J-BOX AND 110 V CIRCUIT. REFER TO EQUIPMENT SCHEDULE/FLOOR PLAN FOR CIRCUIT ASSIGNMENT. INTERCONNECT TO MANUAL RESET RELAY THROUGH MICROSWITCH.
- 3 MANUAL RESET RELAY FURNISHED WITH UNIT INSTALLED BY E.C.
- 4 PROVIDE 1/2" C WITH CONTROL CABLE. MAKE INTERCONNECTIONS TO VALVE AND RESET RELAY.
- 5 PROVIDE 1/2" C WITH CONTROL CABLE. MAKE INTERCONNECTIONS TO EXHAUST & SUPPLY FAN INTERFACE THROUGH MICROSWITCH ON HOOD.
- 6 CABLE AND CONNECTION TO FUSIBLE LINKS AT EXHAUST HOOD BY K.E.C.
- 7 PROVIDE INTERCONNECTION TO "SHUNT TRIP" BREAKER AT PANEL AND MICROSWITCH AT HOOD.
- 8 SLOT FOR SNAP ACTION MICRO-SWITCH. UP TO FOUR SWITCHES AVAILABLE FOR HOOK-UP.
SWITCH 1: GAS SHUT-OFF VALVE.
SWITCH 2: EXH/S.
SWITCH 3: SHUNT TRIP BREAKER IN ELEC PANEL.

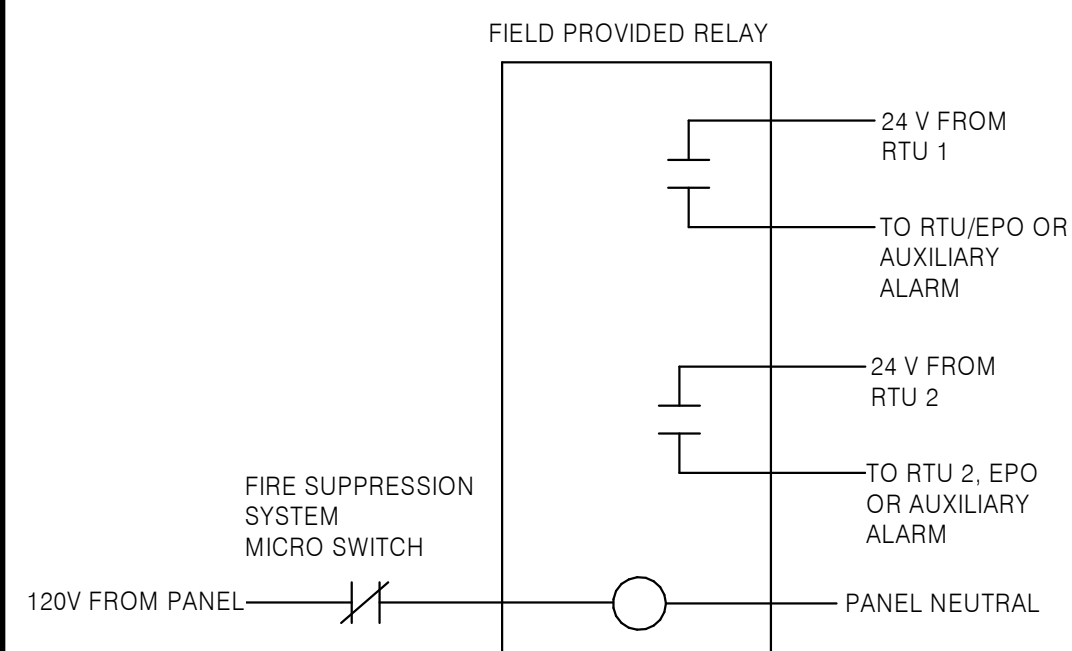
FIRE SUPPRESSION SYSTEM WIRING DIAGRAM1 12' = 1'-0" **4**



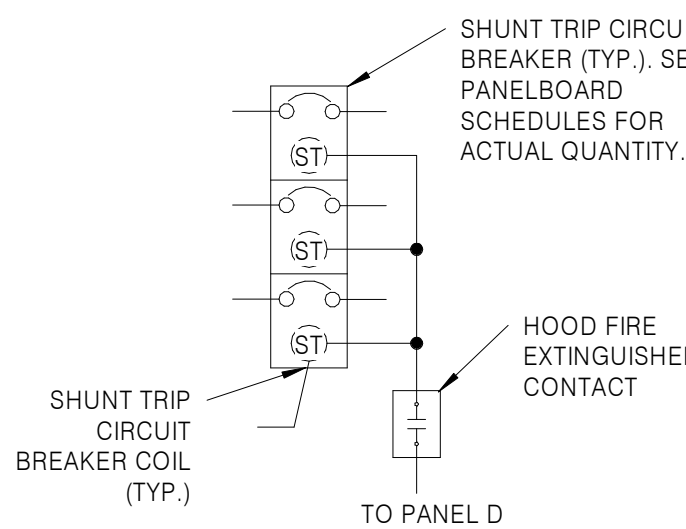
SINGLE UNIT SHUTDOWN N.T.S. **7**



FIRE SUPPRESSION SYSTEM-TRANE SHUTDOWN N.T.S. **5**

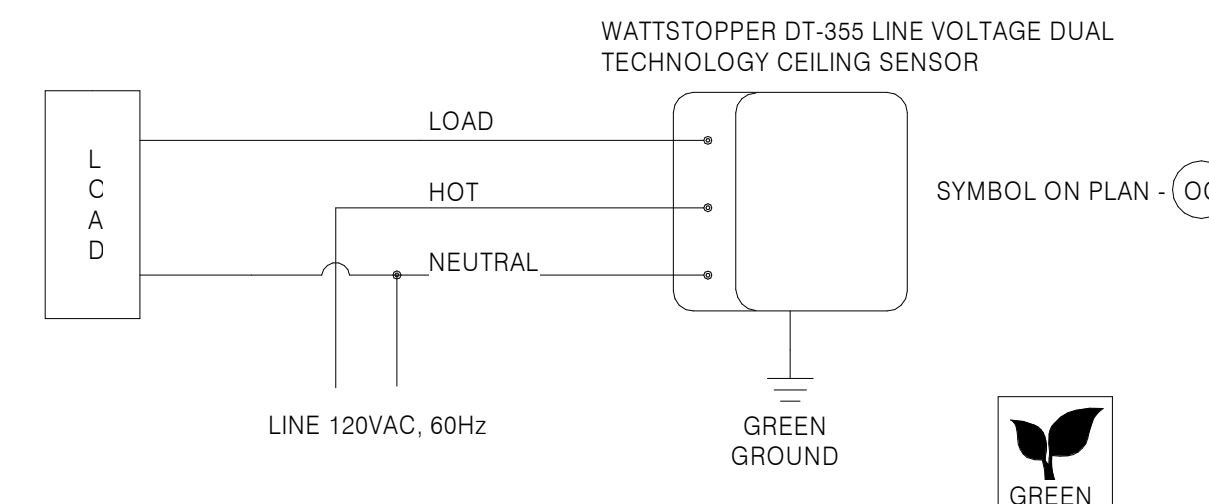


MULTI UNIT SHUTDOWN N.T.S. **8**



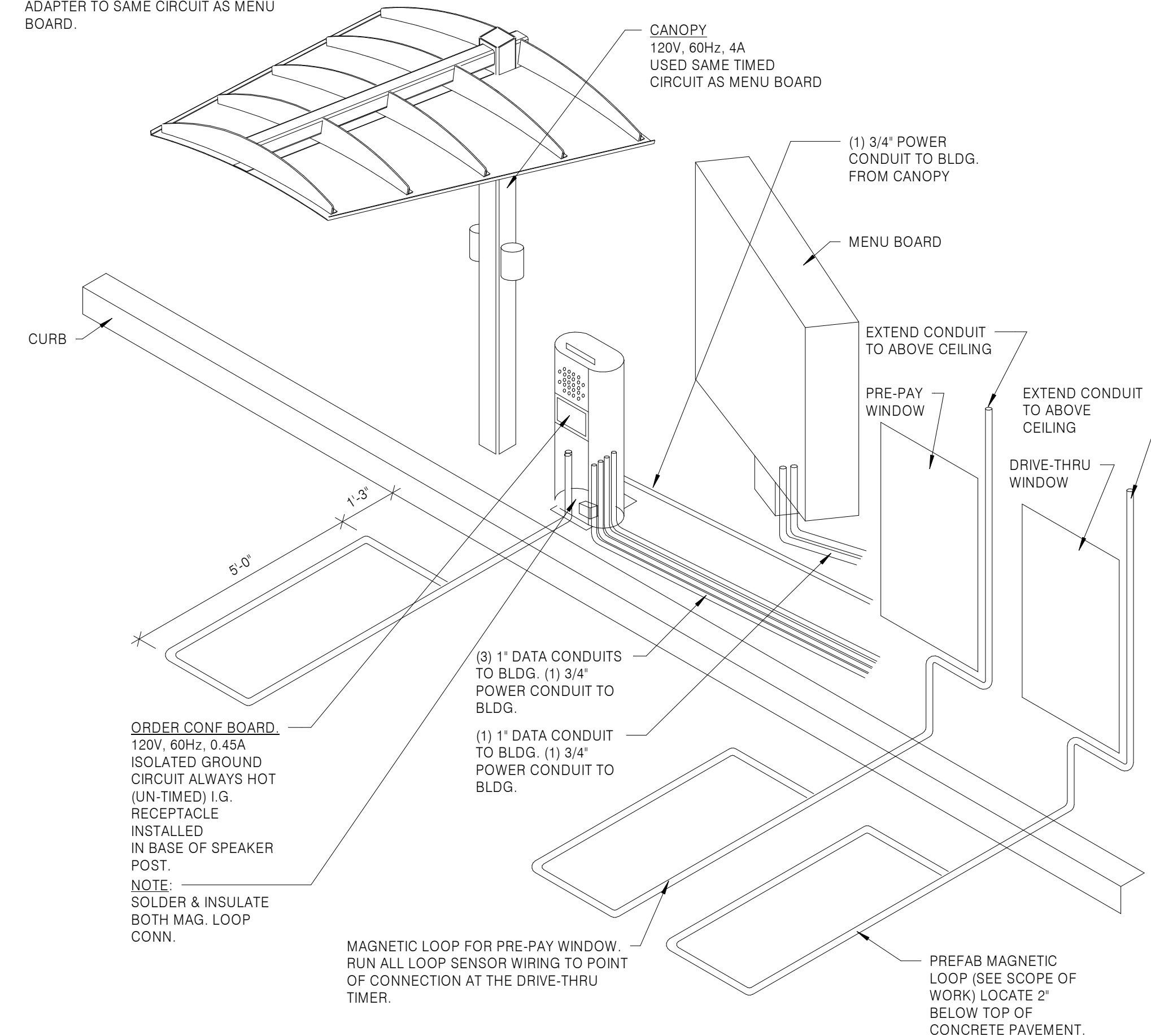
SEQUENCE OF OPERATION:
UPON ACTIVATION OF ANY HOOD FIRE SUPPRESSION SYSTEM RELAY, A RELAY IN THAT FIRE SUPPRESSION SYSTEM SHALL CAUSE ALL SHUNT TRIP CIRCUIT BREAKERS TO OPERATE, THUS REMOVING POWER FROM ALL DEVICES CONNECTED TO EQUIPMENT LOCATED UNDER THE GREASE HOOD. EXHAUST FANS SHALL NOT BE AFFECTED BY THIS ACTION AND SHALL CONTINUE TO BE CONTROLLED AS INDICATED IN THE SEQUENCE OF OPERATIONS INDICATED IN DETAIL 2/E6.0.

SHUNT TRIP DETAIL1 12' = 1'-0" **9**



CEILING OCCUPANCY SENSOR WIRING DIAGRAM1 N.T.S. **2**

12V SOLAR PANEL OUTPUT TO BATTERY - REFER TO EVERBRITE INSTALLATION INSTRUCTIONS. CIRCUIT POWER ADAPTER TO SAME CIRCUIT AS MENU BOARD.



DRIVE-THRU COMMUNICATIONS ISOMETRIC1 N.T.S. **1**

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Taco Bell
7931 LAPEER RD
DAVISON, MI 48423



T40

**ELECTRICAL
DETAILS**

E7.0

DESCRIPTION	SUPPLIER	A&D ITEM #	ORDERED BY	INSTALLED BY
Roof Access Ladder & Hatch (T50 only)	Precision	B-049 (Ladder) & B-050 (Hatch)	RSCS	GC
Door - Security	LockNet	B-101	RSCS	GC
Air Curtain (D/T Window)	Mars	B-151	RSCS	GC
Air Curtain (Service Door)	Mars	B-150	RSCS	GC
Exterior Menu Board & Preview Board Housings	Order Matic Corporation	-	Company or RSCS	Manufacturer (Local Installer)
Interior Menuboard	Stratacache	L-043	RSCS	Manufacturer
Exterior Menuboard Strip, Interior Menu Board Panels, POP	Taco Bell Marketing (represents supplier "Archway")	-	OWNER	OPS
Signage (Bldg Signs, Road Signs, Directional Signs)	Cummings Signs	VARIES	Company or RSCS	Manufacturer (Local Installer)
	Everbrite	VARIES		
	AGI	VARIES		
Canopies / Slat Walls	Cummings Signs	VARIES	Company or RSCS	Manufacturer (Local Installer)
	Everbrite	VARIES		
	AGI	VARIES		
Restroom Accessories	Capitol Lighting	F-452 (if indicated in plan set), B-241, B-265, B-275, B-290 (where occurs), B-291 (where occurs), B-300, B-305, B-405, B-253	RSCS	GC
Safe	Brinks	F-174	CM	BRINKS
Security System	Tyco	U-063	RSCS	GC
Drive-thru Window	Quikserv	B-120	RSCS	GC
Drive-thru Clearance Bar / Portal	Cummings Signs	-	Company or RSCS	Manufacturer (Local Installer)
	Everbrite	-		
	AGI	-		
	NW Signs	-		
Drive-thru Sensor Loops	ERC Parts Inc.	-	Manufacturer	GC
P.O.S.	IBM	VARIES	RSCS	SSP
	NCR	VARIES		
	PAR - Preferred	VARIES		
Credit Card Payment System	Hughes Network Systems	-	OWNER	SSP
Order Confirmation Board (OCB)	Delphi RSCSplay Systems	-	RSCS	Manufacturer
	Hyperactive - Preferred	L-090		
Headsets	HME	U-011	RSCS	Manufacturer
	3M Food Services Trad Dept	-		
Order Confirmation Board (OCB) Canopy	Cummings Signs	V-350	Company or RSCS	Manufacturer (Local Installer)
	Everbrite			
	AGI			
Kitchen Equipment	N. Wasserstrom (Franchise only)	VARIES	RSCS	GC (see General Comments)
	RSCS (Company stores only)	VARIES		
Production Line	Delfield	VARIES	RSCS	GC / Manufacturer (Local Installer)
	Carter Hoffman (EvO cabinets)	VARIES		
Kitchen Shelving / Workstations	I.S.S.	VARIES	RSCS	GC
Walk-In Cooler / Freezer (Panelized)	I.C.S.	W-059	RSCS	GC or Manufacturer (up to CM's RSCScretion)
	Norlake and Kolpak	VARIES		
Exhaust Hoods	Stratovent (preferred supplier)	E-107 / E-108	RSCS	GC
Drink RSCSpensers / Line Sets	Pepsi	-	CM / OWNER	Pepsi (Local installer)
Ice Machines	Manitowoc Ice Inc & Hoshisaki	S-513	CM / OWNER	Manufacturer (Local Installer)
Office Computer (Restaurant)	En Pointe Global Services	F-040, F-060	RSCS	SSP
Artwork	GFX	VARIES	RSCS	GC
	VGS	-		
Décor	Seating Concept	-	RSCS	GC
	FCI	VARIES		
	IDX (Company)	-		
Fruitista Machine	FBD Equipment Manufacturer - Preferred	VARIES	RSCS - Equipment; GC - Installation & Setup (notify vendor 2 weeks from install date)	Service Agents - ICEE
	Cornelius	VARIES		
		VARIES		
		VARIES		
Iced Tea	Tetley	S-546	OWNER	GC / Supplier
CO2 - Bulk	CHART (bulk tank)	S-580	RSCS	Manufacturer (Local Installer)
	NU CO2 (CO2 and service)	S-580		
CCTV	MARTCO	U-039	RSCS	MARTCO
Lighting Control Panel - Exterior	Capitol Lighting	-	RSCS	GC
Exhaust Fan - Make Up Air Interlock & Interior Lighting Control Panel	Air Care Experts	-	Contractor	GC
Fire Suppression System	Ansul	-	GC	GC (Local Installer)
Hand Sinks	Aero	N-062	RSCS	GC
Water Filter	Shurflo	-	RSCS	GC (see Vendor Scope - Pepsi Drink System)
Water Heater	AO Smith (standard)	B-223	RSCS	GC
	Bradford White (alternate)	B-222		
Water softener	3m Purification	B-200	RSCS	GC
HVAC - Test and Balance	Test and Balance Corp.	-	Determined by CM or RCM; Approved options - GC CM/RCM	Determined by GC / CM / RCM
	Melink Corp	-		
	Air Care Experts	-		
HVAC	Trane (Company stores)	-	GC / RSCS	GC
	Lennox	-		
	York International (Franchise only)	-		
Switchgear - Franchisee	Capitol Lighting	VARIES	RSCS	GC
Switchgear - Company	Capitol Lighting	VARIES	GC or RSCS (confirm with CM at time of bid)	GC
Light Fixtures - Interior and Building	Capitol Lighting	-	RSCS	GC
Light Fixtures - Site	Capitol Lighting	-	RSCS	GC
Telephone Communications	YUM! Telecom (Company stores)	-	TB	Manufacturer (Local Installer)
	By owner through local phone service provider (franchise)	-	Franchisee	Manufacturer (Local Installer)
Music System	Mood Media	F-131	TB / OWNER	Manufacturer (Local Installer)
Coffee Brewer	Bunn	S-547	RSCS	GC
Floor and Wall Tile	Creative Materials	-	GC	GC



520 SOUTH MAIN STREET, SUITE 2531
AKRON, OH 44311
330.572.2100 FAX: 330.572.2101

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DAVISON, MI 48423



T40

SCOPE OF WORK MATRIX

SW1.0

PLOT DATE: 8/21/2019 2:31:08 PM