



# BLOSSOM RESTAURANT

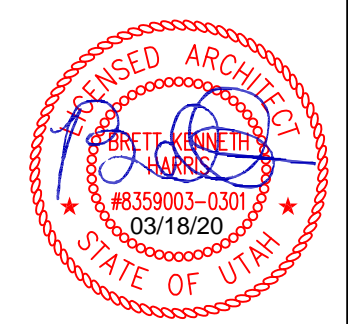
2082 N. HILLCREST ROAD

SARATOGA SPRINGS, UTAH

ARCHITECT                      OWNER                      GENERAL CONTRACTOR                      CIVIL ENGINEER                      STRUCTURAL ENGINEER                      KITCHEN DESIGN                      MECHANICAL/PLUMBING ENGINEER                      ELECTRICAL ENGINEER

HARRIS ARCHITECTURE                      JENNY CHAN                      T.B.D.                      LEGEND ENGINEERING                      LEI ENGINEERING                      RESCO                      EPIC ENGINEERING                      EPIC ENGINEERING  
 OREM, UTAH                      SARATOGA SPRINGS, UT                                           HEBER CITY, UT                      SPANISH FORK, UT                      SALT LAKE CITY, UT                      HEBER CITY, UT                      HEBER CITY, UT

CIVIL	ARCHITECTURAL	STRUCTURAL	KITCHEN DESIGN	MECHANICAL	ELECTRICAL
SEE CIVIL SUBMITTAL	A0.0 - TITLE SHEET A0.1 - PROJECT INFORMATION A0.2 - PROJECT IDENTIFICATION SIGN A0.3 - EGRESS / OCCUPANCY PLAN A1.0 - FLOOR SLAB PLAN A1.0A - FOUNDATION DETAILS A1.1 - LEVEL 1 DIMENSION FLOOR PLAN A1.2 - LEVEL 1 FINISH FLOOR PLAN A1.3 - ROOF PLAN A2.0 - EXTERIOR BUILDING ELEVATIONS A2.1 - EXTERIOR BUILDING ELEVATIONS A3.0 - BUILDING CUT SECTIONS A3.1 - BUILDING CUT SECTIONS A3.2 - WALL TYPES / DETAILS A4.0 - DOOR SCHEDULE AND DETAILS A4.1 - WINDOW TYPES A4.2 - DOOR DETAILS A4.3 - CONSTRUCTION DETAILS A4.4 - PENETRATION DETAILS A4.5 - TYP. ALUM. COMP. METAL PANEL DTLs A4.6 - TYPICAL EIFS DETAILS A4.6A - TYPICAL EIFS DETAILS A4.7 - DUMPSTER ENCLOSURE DETAILS A4.8 - SIGNAGE A6.1 - LEVEL 1 R.C.P. A7.0 - INTERIOR ELEVATIONS / DETAILS A7.1 - INTERIOR ELEVATIONS / DETAILS A7.2 - TYPICAL DETAILS	S0.0 - STRUCTURAL NOTES S0.1 - STRUCTURAL NOTES S1.0 - FOOTING AND FOUNDATION PLAN S1.1 - STRUCTURAL DETAILS S2.0 - MAIN FLOOR SHEAR PLAN S3.0 - ROOF FRAMING PLAN S4.0 - STRUCTURAL DETAILS S4.1 - STRUCTURAL DETAILS	FS1 - KITCHEN EQUIPMENT PLAN FS2 - KITCHEN EQUIPMENT SCHEDULE FS3 - KITCHEN ELECTRICAL PLAN FS4 - KITCHEN PLUMBING PLAN	M0.1 - MECHANICAL GENERAL NOTES M1.1 - FIRST LEVEL MECHANICAL PLAN M1.2 - ROOF MECHANICAL PLAN M5.1 - MECHANICAL DETAILS	E0.1 - ELECTRICAL SYMBOLS AND NOTES E0.2 - ELECTRICAL GENERAL NOTES E1.1 - ELECTRICAL SITE PLAN E2.1 - ELECTRICAL PLAN E2.2 - KITCHEN ELECTRICAL PLAN E3.1 - LIGHTING PLAN E4.1 - PANEL SCHEDULE E5.1 - ELECTRICAL DETAILS
LANDSCAPE				PLUMBING	
SEE CIVIL SUBMITTAL				P0.1 - PLUMBING GENERAL NOTES P1.1 - FIRST LEVEL PLUMBING PLAN P1.2 - ROOF PLUMBING PLAN P2.1 - FIRST LEVEL SANITARY PLAN P5.1 - PLUMBING DETAILS AND SCHEDULES	



BUILDING PERMIT SET 03/18/2020

REVISIONS  
# | Date | Description

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DRAWN BY  
MHF

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**HARRIS ARCHITECTURE**  
920 E 800 N, OREM UT 84097 | 801-377-6303 | WWW.HARRIS-ARCHITECTURE.COM

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**BLOSSOM RESTAURANT**  
TITLE SHEET

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03/18/2020

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**A0.0**

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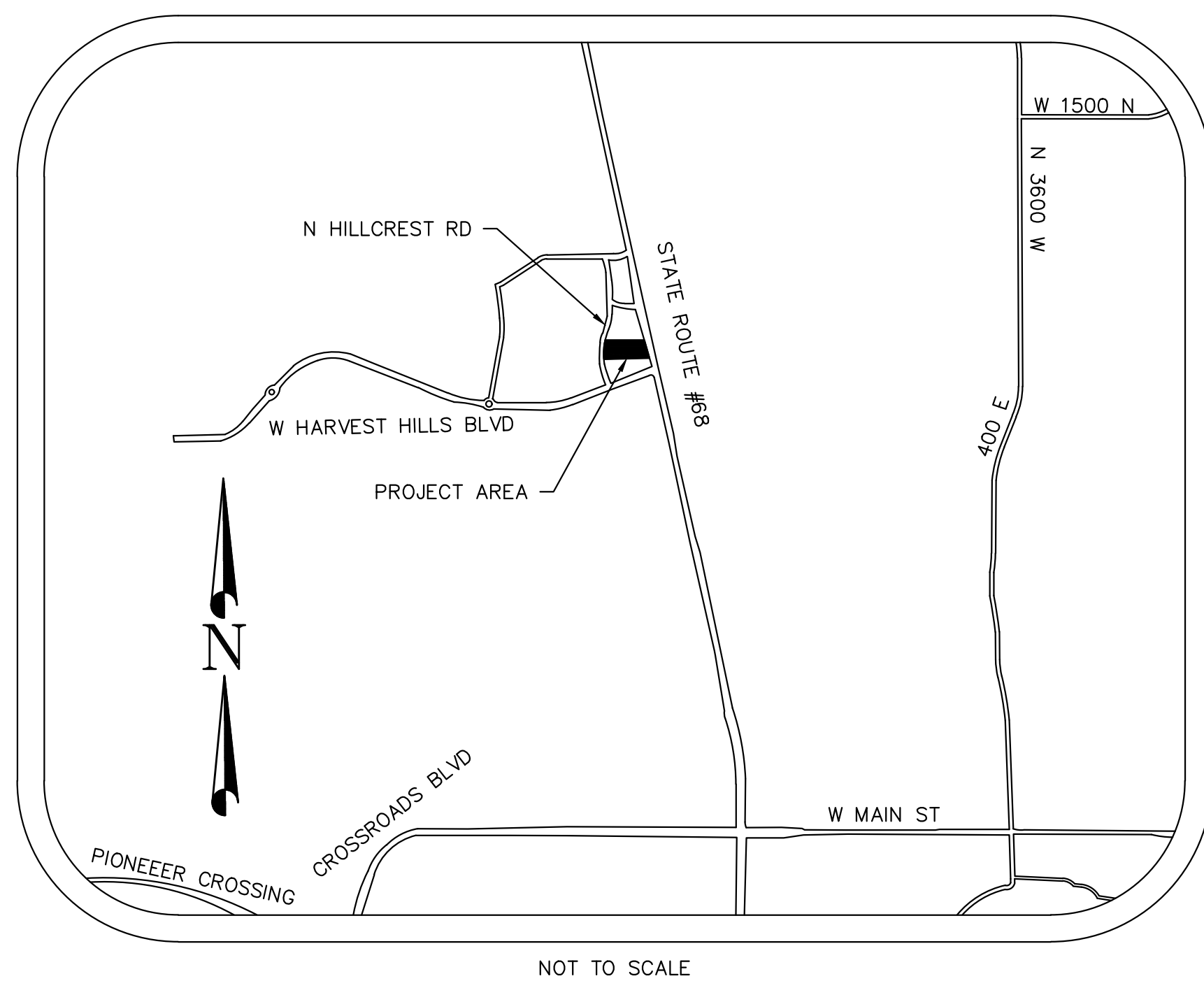
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# CHAN RESTAURANT

## 2082 N HILLCREST ROAD

### SARATOGA SPRINGS, UT 84045

#### VICINITY MAP



#### INDEX

- C-0 Cover Sheet
- C-1 Boundary and Topographical Survey
- C-2 Site Plan
- C-3 Grading and Drainage Plan
- C-4 Utility Plan
- C-5 Details
- C-6 ADS Details
- L-1 Landscape Plan
- L-2 Irrigation Plan
- L-3 Irrigation Details

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 SARATOGA SPRINGS, UT 84045  
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 CORY NEERINGS  
 52 WEST 100 NORTH  
 HEBER CITY, UTAH 84032  
 (435) 654-4828

#### SITE DATA

LOT AREA:	65,095	SF (1.49 ACRES)
BUILDING AREA:	6,836	SF± 10.5%
PAVEMENT AREA:	36,053	SF± 54.8%
LANDSCAPE AREA:	16,860	SF± 26.5%
FUTURE DEVELOPMENT:	5,346	SF± 8.2%
FUTURE BUILDING:	4,000	SF
FUTURE LANDSCAPE:	1,346	SF±
NUMBER OF LOTS:	1	

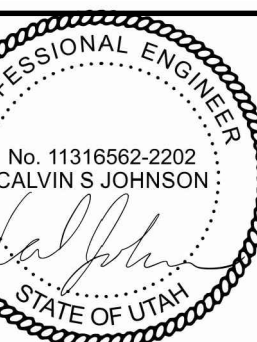
#### LEGEND & ABBREVIATION TABLE

R.O.W./PROPERTY LINE	— — — — —	EXISTING CURB AND GUTTER	=====
EASEMENT LINE	— — — — —	PROPOSED CURB AND GUTTER	=====
CENTER LINE	— — — — —	INVERT ELEVATION	IE
PROPOSED TRAIL	~~~~~	TOP BACK CURB	TBC
PROPOSED WATER LINE	—W—W—	TOP ASPHALT	TA
PROPOSED PRESSURIZED IRRIGATION	—PI—PI—	TOP OF GRATE	TOG
PROPOSED SEWER LINE	—SS—SS—	FINISHED GRADE	FG
PROPOSED STORM DRAIN LINE	—SD—SD—	TOP OF CONCRETE	TC
EXISTING SEWER LINE	- - -SS- - -SS- - -	HIGH WATER ELEVATION	HWE
EXISTING WATER LINE	- - -W- - -W- - -	CATCH BASIN	
EXISTING STORM DRAIN LINE	- - -SD- - -SD- - -	PROPOSED STREET LIGHT	
EXISTING CONTOUR	— 42.47 —	STORM DRAIN MANHOLE	
FINISHED CONTOUR	— 47.00 —	SANITARY SEWER MANHOLE	
		PROPOSED WATER VALVE	

LEGEND ENGINEERING  
 52 WEST 100 NORTH  
 HEBER CITY, UT 84032  
 PHONE: 435-654-4828  
 www.legendengineering.com



JENNY CHAN RESTAURANT  
 COVER SHEET  
 2082 N. HILLCREST ROAD, SARATOGA SPRINGS, UT 84045



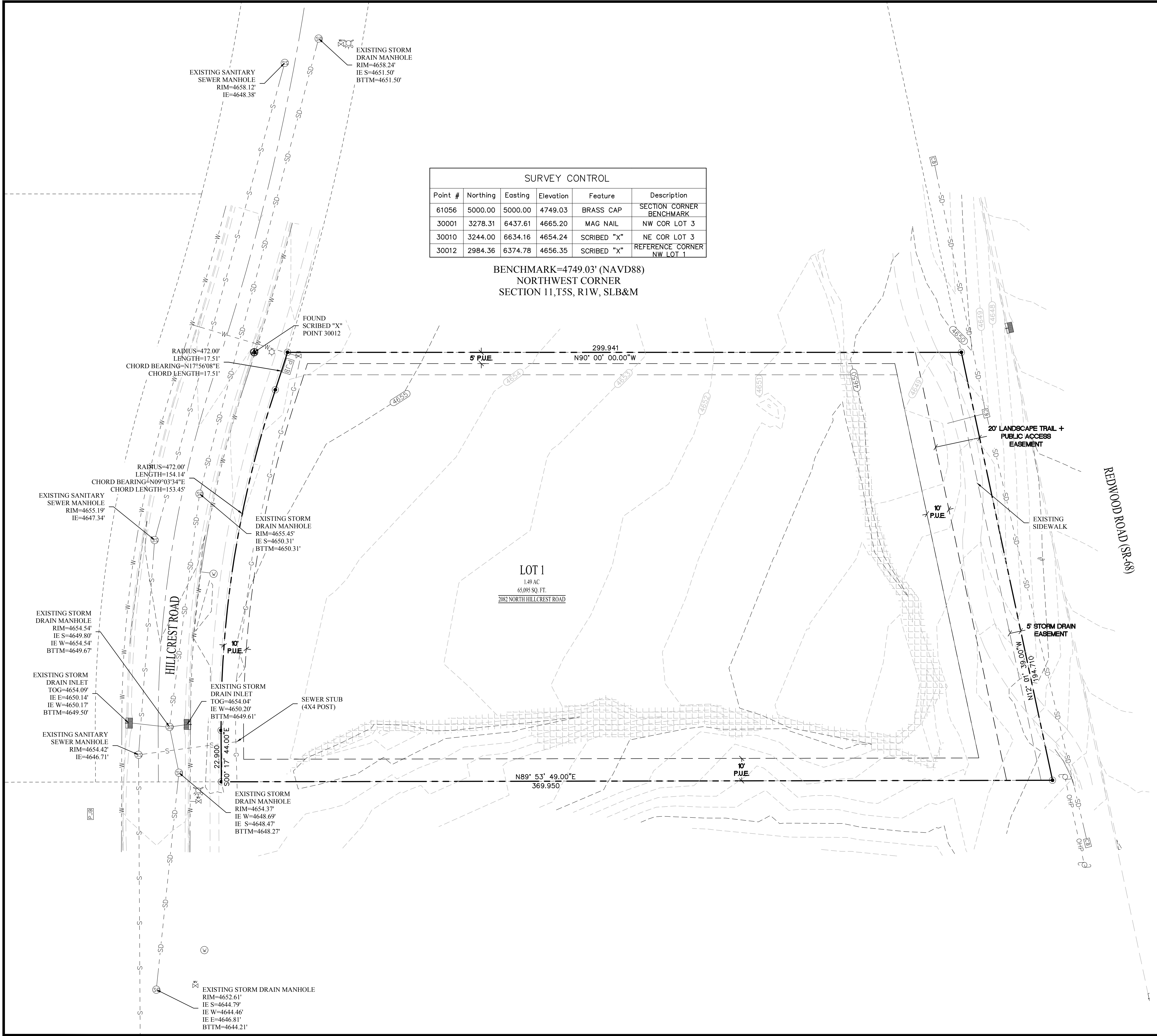
SHEET:  
**C-0**



LOT LINES (PROPERTY)	---
EXISTING CURB AND GUTTER	====
EXISTING WATER LINE	---W---
EXISTING SANITARY SEWER LINE	---S---
EXISTING STORM DRAIN LINE	---SD---
EXISTING GRADE CONTOUR LINES	---(4960)---
FINISH GRADE SLOPE	1.25%
SENSITIVE LANDS	[Hatched Box]

SURVEY CONTROL					
Point #	Northing	Easting	Elevation	Feature	Description
61056	5000.00	5000.00	4749.03	BRASS CAP	SECTION CORNER BENCHMARK
30001	3278.31	6437.61	4665.20	MAG NAIL	NW COR LOT 3
30010	3244.00	6634.16	4654.24	SCRIBED "X"	NE COR LOT 3
30012	2984.36	6374.78	4656.35	SCRIBED "X"	REFERENCE CORNER NW LOT 1

BENCHMARK=4749.03' (NAVD88)  
NORTHWEST CORNER  
SECTION 11,T5S, R1W, SLB&M

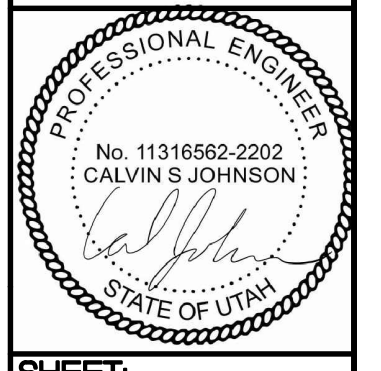


NO.	REVISIONS	BY	DATE

ENGINEER: CJ  
CHECKED BY: LR



**JENNY CHAN RESTAURANT  
BOUNDARY AND TOPOGRAPHICAL SURVEY  
2082 N. HILLCREST ROAD, SARATOGA SPRINGS, UT 84045**



SHEET: **C-1**  
DATE: 1/24/2020



LOT LINES (PROPERTY)	---
EXISTING CURB AND GUTTER	====
PROPOSED CURB AND GUTTER	=====
SETBACK LINE	-----
EXISTING FENCE	-X-
LANDSCAPE AREA	[Pattern]
CONCRETE AREA	[Pattern]
SENSITIVE LANDS	[Pattern]
PROPOSED LIGHTING LOCATIONS	☆
EXISTING LIGHTING LOCATIONS	☆

**SITE DATA**

LOT AREA:	65,095	SF (1.49 ACRES)
BUILDING AREA:	6,836	SF± 10.5%
PAVEMENT AREA:	36,053	SF± 55.4%
LANDSCAPE AREA:	16,860	SF± 25.9%
FUTURE DEVELOPMENT:	5,346	SF± 8.2%
FUTURE BUILDING:	4,000	SF
FUTURE LANDSCAPE:	1,346	SF±

**BUILDING DATA**

ZONE: RC (REGIONAL COMMERCIAL)

SETBACKS:  
 FRONT YARD: 10' SETBACK  
 SIDE YARD: 10' SETBACK  
 REAR YARD: 30' SETBACK

**PARKING TABULATION**

REQUIRED: 1 PER 100 SQUARE FEET OF BUILDING AREA (SIT DOWN RESTAURANT USE)  
 4 PER 1,000 SF OF BUILDING AREA (RETAIL USE)

REQUIRED: 68 STALLS (6,800 SF/100 = 68)  
 16 STALLS (4,000 SF/1,000 X 4 = 16)  
 84 TOTAL STALLS (4 ADA STALLS)

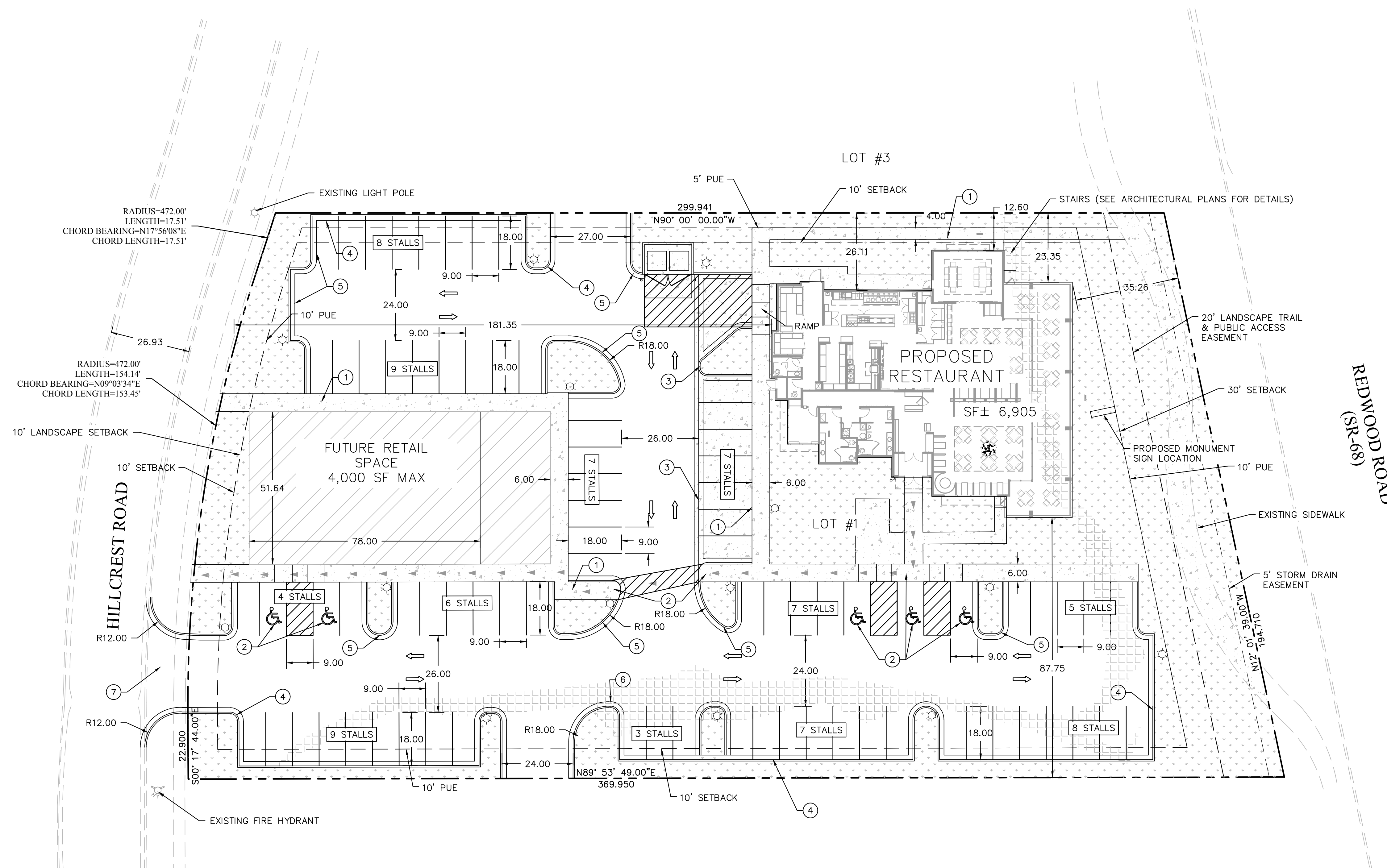
PROVIDED: 80 STALLS  
 5 ADA STALLS

NO TRUCK UNLOADING ZONE REQUIRED.  
 SENSITIVE LANDS

TYPE: STEEP SLOPES (SLOPES GREATER THAN 30%)  
 AREA: 3,879 SF± (0.09 ACRES)  
 6.0% OF TOTAL PROJECT AREA

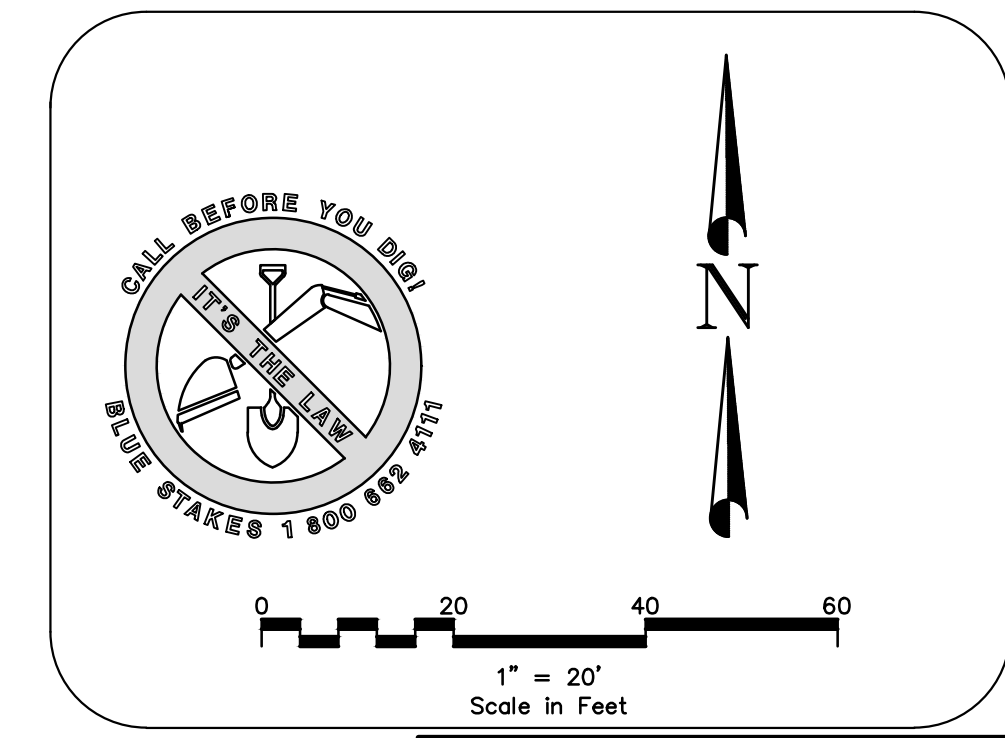
- NOTES:**
- PROPOSED SIDEWALK PER CITY STANDARD ST-1. SEE SHEET C-5.
  - ALL HANDICAP STALLS AND RAMPS TO BE INSTALLED PER ADA STANDARDS. SEE SHEET C-5 FOR DETAIL.
  - 3' ROLL GUTTER PER DETAIL 3. SEE SHEET C-5.
  - PROPOSED CURB & GUTTER PER DETAIL 1. SEE SHEET C-5.
  - PROPOSED REVERSE PAN CURB PER DETAIL 2. SEE SHEET C-5.
  - PROPOSED DUMPSTER LOCATION. SEE ARCHITECTURAL PLANS FOR DETAIL.
  - PROPOSED COMMERCIAL DRIVE APPROACH PER CITY STANDARD ST-4B. SEE SHEET C-5.

**LEGAL DESCRIPTION**  
 LOT 1 OF HARVEST POINT COMMERCIAL PLAT "A"



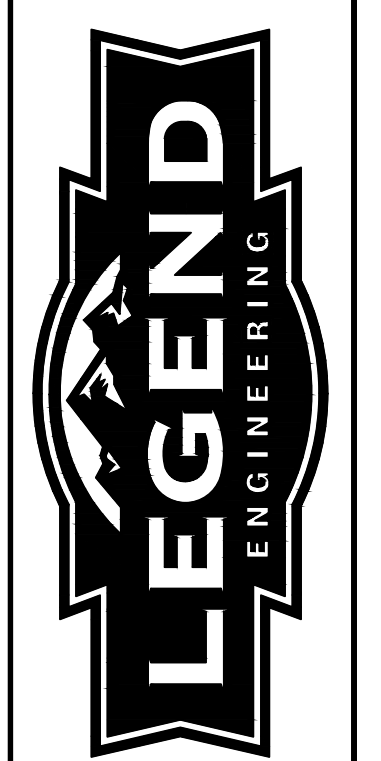
A RIGHT OF WAY ENCROACHMENT PERMIT MUST BE OBTAINED FROM THE CITY OF SARATOGA SPRINGS PRIOR TO DOING ANY WORK IN THE EXISTING RIGHT OF WAY. CONTACT CHRIS KLINGEL AT 801-766-9793, EXT. 118.

- GENERAL NOTES:**
- CONTRACTOR TO NOTIFY BLUE STAKES PRIOR TO CONSTRUCTION
  - CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITY LINES AND STRUCTURES PRIOR TO CONSTRUCTION
  - ALL PROPOSED WATER LINES TO HAVE A MINIMUM OF 5' OF COVER
  - ALL SEWER, WATER AND STORM DRAIN PIPES SHALL BE BACKFILLED WITH SELECT GRANULAR FILL AS PER CITY STANDARDS.
  - ANY OFF SITE DAMAGE TO EXISTING ASPHALT, CURB & GUTTER, LANDSCAPING AND ALL UTILITIES TO BE REPLACED IN KIND.
  - SEE UTILITY PLAN FOR CONSTRUCTION OF SEWER AND WATER LINES.
  - ALL WORK TO BE ACCORDING TO CITY STANDARDS AND SPECIFICATIONS.

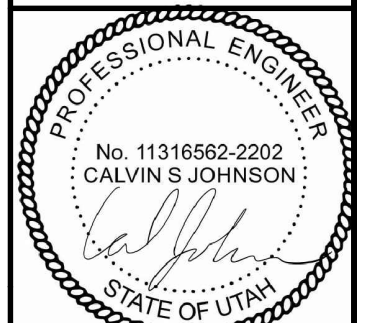


NO.	REVISIONS	BY	DATE

ENGINEER: CJ  
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**JENNY CHAN RESTAURANT  
 SITE PLAN**  
 2082 N. HILLCREST ROAD, SARATOGA SPRINGS, UT 84045

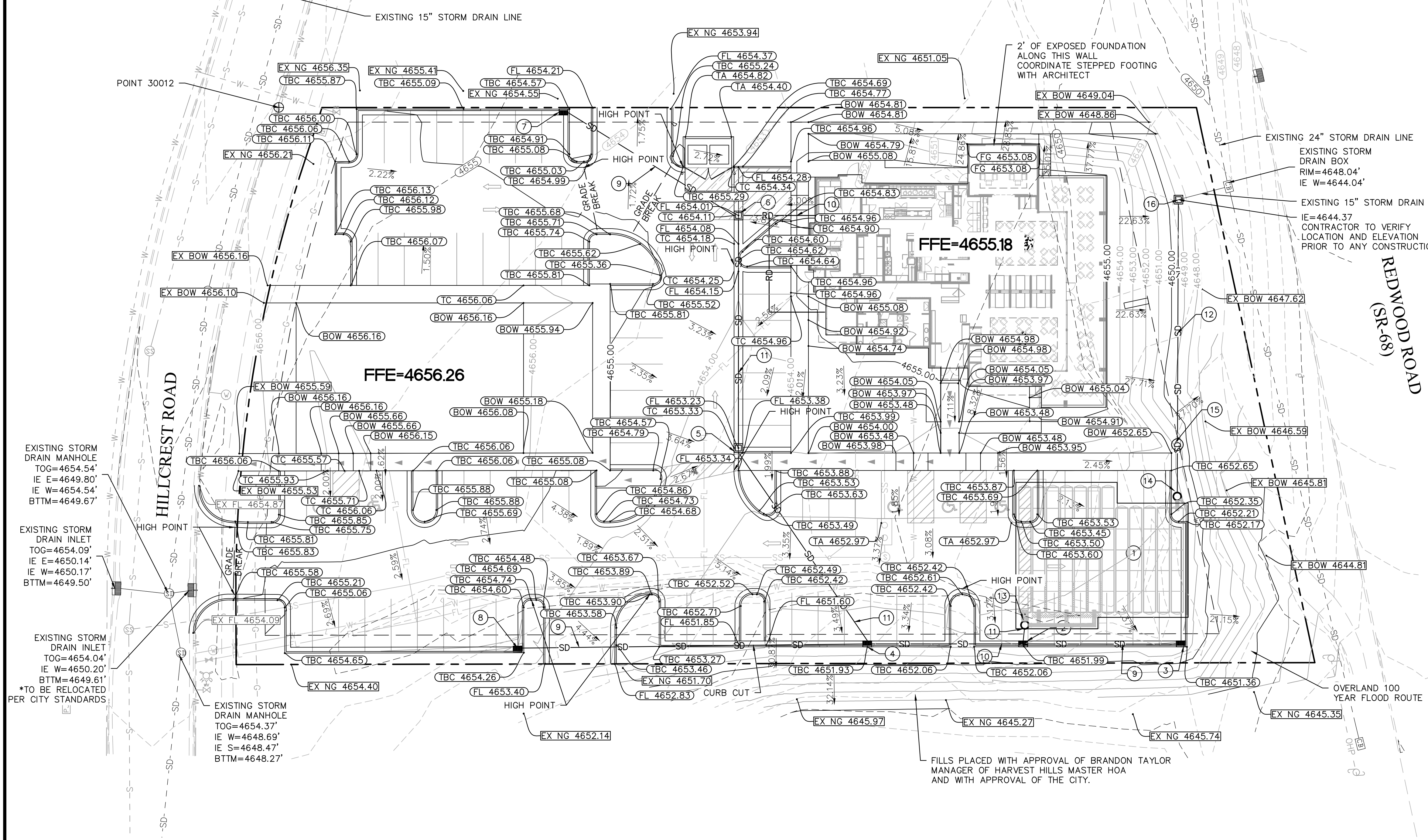


SHEET: **C-2**

Point #	Northing	Easting	Elevation	Feature	Description
61056	5000.00	5000.00	4749.03	BRASS CAP	SECTION CORNER BENCHMARK
30001	3278.31	6437.61	4665.20	MAG NAIL	NW COR LOT 3
30010	3244.00	6634.16	4654.24	SCRIBED "X"	NE COR LOT 3
30012	2984.36	6374.78	4656.35	SCRIBED "X"	REFERENCE CORNER NW LOT 1



LOT LINES (PROPERTY)	---
EXISTING CURB AND GUTTER	---
PROPOSED CURB AND GUTTER	---
PROPOSED STORM DRAIN LINE	SD
EXISTING STORM DRAIN LINE	-SD-
PROPOSED SEWER LINE	SS
EXISTING SEWER LINE	-SS-
PROPOSED WATER LINE	W
EXISTING WATER LINE	-W-
EXISTING FENCE	-X-
GRADE BREAK	---
FINISH GRADE CONTOUR LINES	4960
EXISTING GRADE CONTOUR LINES	4960
FINISH GRADE SLOPE	SLOPE
ACCESSIBLE ROUTE	▲▲▲
GRADE BREAK	GB
INVERT ELEVATION	IE
TOP OF GRATE	TOG
TOP OF ASPHALT	TA
TOP BACK OF CURB	TBC
PROPOSED	PROP
EXISTING	EX
FINISHED GRADE	FG
FINISHED FLOOR ELEVATION	FFE
BACK OF SIDEWALK	BOW
BOTTOM OF WALL	BOT
TOP OF WALL	TOP
TOP OF CONCRETE	TC
FLOW LINE	FL
LANDSCAPE AREA	[Pattern]
CONCRETE AREA	[Pattern]
CATCH BASIN	[Symbol]
STORM DRAIN MANHOLE	[Symbol]



ACCEPTED CONSTRUCTION DRAWINGS AND PRE-CONSTRUCTION MEETING OR A GRADING PERMIT AND PRE-CONSTRUCTION MEETING MUST BE OBTAINED FROM SARATOGA SPRINGS CITY PRIOR TO DISTURBING ANY VEGETATION OR MOVING ANY SOIL. CONTACT THE CITY ENGINEERING DEPT. AT 801-766-9793.

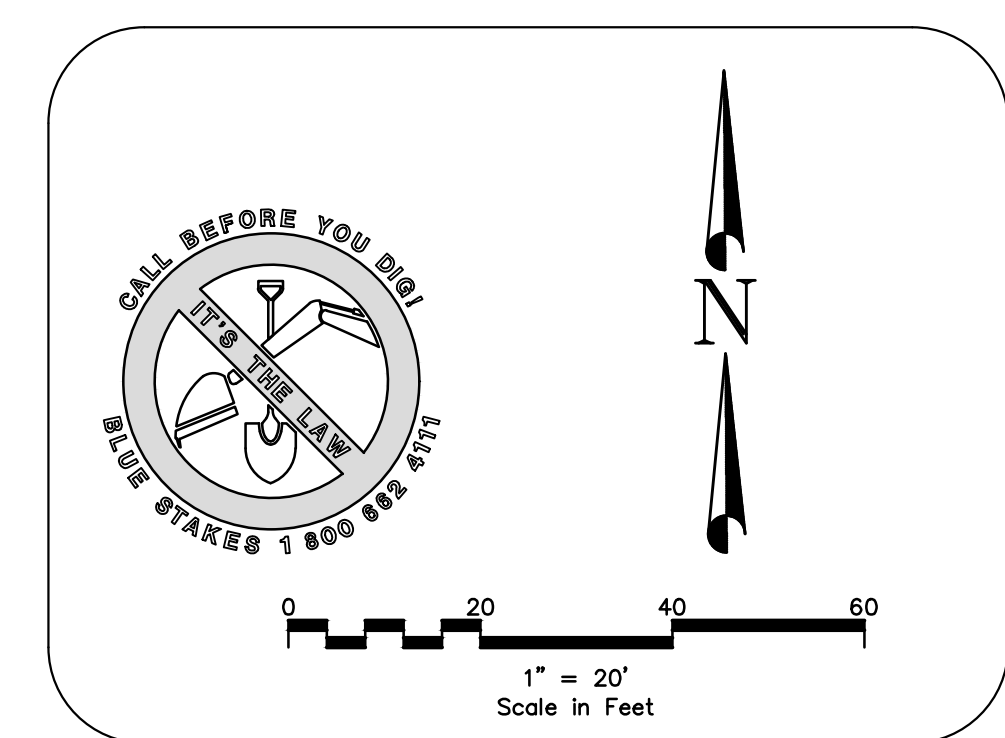
I HEREBY CERTIFY THAT THIS DESIGN FOR THE ONSITE DRAINAGE OF THIS DEVELOPMENT WAS PREPARED UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH THE PROVISIONS OF THE CITY OF SARATOGA SPRINGS' STANDARD SPECIFICATIONS AND DRAWINGS, AND WAS DESIGNED TO COMPLY WITH THE PROVISIONS THEREOF. I UNDERSTAND THAT THE CITY ASSUMES NO RESPONSIBILITY OR LIABILITY WHATSOEVER FOR THIS DESIGN.

- |   |  |   |
|---|--|---|
| <p>1) INSTALL ADS STORMTECH UNDERGROUND DETENTION SYSTEM (SC-740 CHAMBERS). SYSTEM TO BE WRAPPED IN THERMOPLASTIC LINER. SEE SHEET C-6 FOR DETAILS. VOLUME=5,655 CF. IE IN=4645.15 IE OUT=4644.86 BOTTOM OF CHAMBER=4644.86 BOTTOM OF ROCK=4644.36</p> <p>2) CURB INLET CATCH BASIN W/ SNOOT PER DETAIL SD-2 &amp; 4. SEE SHEET C-5. RIM=4651.49 IE=4645.23</p> <p>3) CURB INLET CATCH BASIN PER DETAIL SD-2. SEE SHEET C-5. RIM=4650.86 IE=4647.61</p> <p>4) CURB INLET CATCH BASIN PER DETAIL SD-2. SEE SHEET C-5. RIM=4651.43 IE=4645.48</p> | <p>5) 3' x 3' CLEANOUT BOX PER DETAIL 5. SEE SHEET C-5. RIM=4653.23 IE=4648.98</p> <p>6) 3' x 3' CLEANOUT BOX PER DETAIL 5. SEE SHEET C-5. RIM=4654.01 IE=4649.75</p> <p>7) CURB INLET CATCH BASIN PER DETAIL SD-2. SEE SHEET C-5. RIM=4654.07 IE=4650.82</p> <p>8) CURB INLET CATCH BASIN PER DETAIL SD-2. SEE SHEET C-5. RIM=4653.76 IE=4650.51</p> <p>9) 8" CORRUGATED HDPE</p> <p>10) 6" ROOF DRAIN LINE</p> <p>11) 12" CORRUGATED HDPE</p> <p>12) 15" CORRUGATED HDPE</p> | <p>13) NYLOPLAST 30" Ø INLET MANHOLE. SEE SHEET C-6 FOR DETAILS. RIM=4651.87 IE=4645.15</p> <p>14) NYLOPLAST 30" Ø OUTLET CONTROL MANHOLE W/ 3" Ø ORIFICE INSTALLED ON OUTFLOW PIPE. SEE SHEET C-6 FOR DETAILS. RIM=4652.11 IE=4644.86</p> <p>15) TREATMENT DEVICE MANHOLE. INSTALL CONTECH CDS 2015-4 STORMWATER TREATMENT SYSTEM. SEE SHEET C-5 FOR DETAILS. CONSTRUCTION DETAILS TO BE PROVIDED BY CONTECH UPON REQUEST BY CONTRACTOR. RIM=4651.53 IE=4644.82</p> <p>16) 3' x 3' CLEANOUT BOX PER DETAIL 5. SEE SHEET C-5. RIM=4648.59 IE IN=4644.57 IE EX OUT=4644.37</p> |
|---|--|---|

**MATERIALS TABLE:**

77 Lf ± 6" CORRUGATED HDPE STORM DRAIN PIPE.
271 Lf ± 8" CORRUGATED HDPE STORM DRAIN PIPE.
181 Lf ± 12" CORRUGATED HDPE STORM DRAIN PIPE.
97 Lf ± 15" CORRUGATED HDPE STORM DRAIN PIPE.
CURB INLET CATCH BASIN (5)
CLEANOUT BOX (3)
SC-740 ADS STORMTECH SYSTEM (1)
CONTECH CDS 2015-4 SYSTEM (1)

- GENERAL NOTES:**
- CONTRACTOR TO NOTIFY BLUE STAKES PRIOR TO CONSTRUCTION
  - CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITY LINES AND STRUCTURES PRIOR TO CONSTRUCTION
  - ALL PROPOSED WATER LINES TO HAVE A MINIMUM OF 5' OF COVER ALL SEWER, WATER AND STORM DRAIN PIPES SHALL BE BACKFILLED WITH SELECT GRANULAR FILL AS PER CITY STANDARDS.
  - ANY OFF SITE DAMAGE TO EXISTING ASPHALT, CURB & GUTTER, LANDSCAPING AND ALL UTILITIES TO BE REPLACED IN KIND.
  - SEE UTILITY PLAN FOR CONSTRUCTION OF SEWER AND WATER LINES.
  - ALL WORK TO BE ACCORDING TO CITY STANDARDS.

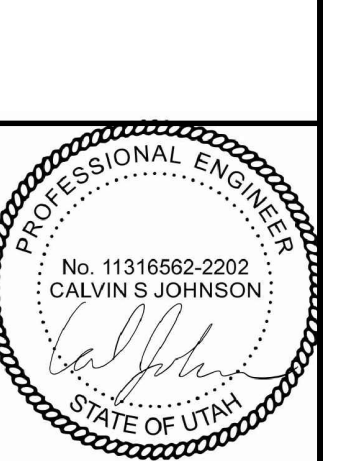


NO.	REVISIONS	BY	DATE

ENGINEER: CJ  
CHECKED BY: LR



**JENNY CHAN RESTAURANT  
GRADING AND DRAINAGE PLAN**  
2082 N. HILLCREST ROAD, SARATOGA SPRINGS, UT 84045



SHEET: **C-3**



PROPERTY/ROW LINE	---
EXISTING CURB AND GUTTER	==
PROPOSED CURB AND GUTTER	==
PROPOSED STORM DRAIN LINE	-SD-
EXISTING STORM DRAIN LINE	-SD-
PROPOSED SEWER LINE	-SS-
EXISTING SEWER LINE	-SS-
PROPOSED WATER LINE	-W-
EXISTING WATER LINE	-W-
EXISTING GAS LINE	-G-
INVERT ELEVATION	IE
PROPOSED	PROP
FINISHED FLOOR ELEVATION	FFE
EXISTING FIRE HYDRANT	⊗
EXISTING WATER VALVE	⊗
EXISTING WATER METER	⊗
EXISTING SEWER MANHOLE	⊗
PROPOSED FIRE HYDRANT	⊗
PROPOSED WATER VALVE	⊗
PROPOSED WATER METER	⊗
PROPOSED SEWER CLEANOUT	⊗
PROPOSED SEWER MANHOLE	⊗
PROPOSED LIGHTING LOCATIONS	☆
EXISTING LIGHTING LOCATIONS	☆

SEWER DESIGN NOTES:

- INSTALL 6" PVC SDR-35 SEWER PIPE AT 1% MIN. SLOPE.
- INSTALL 6" CLEANOUT.
- END ALL UTILITIES 5' FROM BUILDING, SEE PLUMBING PLANS FOR CONTINUATION.
- INSTALL 1,000 GAL. GREASE TRAP PER TSSD STANDARD D-10. SEE SHEET C-5.  
RIM=4652.97  
IE IN=4650.13  
IE OUT=4649.93
- INSTALL SAMPLING MANHOLE PER TSSD STANDARD D-6. SEE SHEET C-5.  
RIM=4652.60  
IE IN=4649.90  
IE OUT=4649.70
- CONNECT TO EXISTING SANITARY SEWER LATERAL PER CITY STANDARDS. SEE SHEET C-5 DETAIL SS-3.  
IE=4647.55  
\* CONTRACTOR TO VERIFY LOCATION AND ELEVATION PRIOR TO ANY CONSTRUCTION.

WATER DESIGN NOTES:

- INSTALL 2" HDPE 3408 SDR-9 POLY WATERLINE.
- INSTALL 6" CLASS 52 DUCTILE IRON FIRE LINE.
- INSTALL 2" WATER METER PER CITY STANDARDS. SEE SHEET C-5 DETAIL DW-6.
- END ALL UTILITIES 5' FROM BUILDING, SEE PLUMBING PLANS FOR CONTINUATION.
- CONNECT TO WATER LINE PER CITY STANDARDS W/VALVE AND THRUST BLOCK. SEE SHEET C-5.
- INSTALL THRUST BLOCKS PER CITY STANDARDS. SEE SHEET C-5 DETAIL DW-2.
- HOT TAP CONNECTION TO EXISTING 12" WATER LINE PER CITY STANDARDS.
- INSTALL FIRE HYDRANT PER CITY STANDARDS. SEE SHEET C-5 DETAIL DW-4.

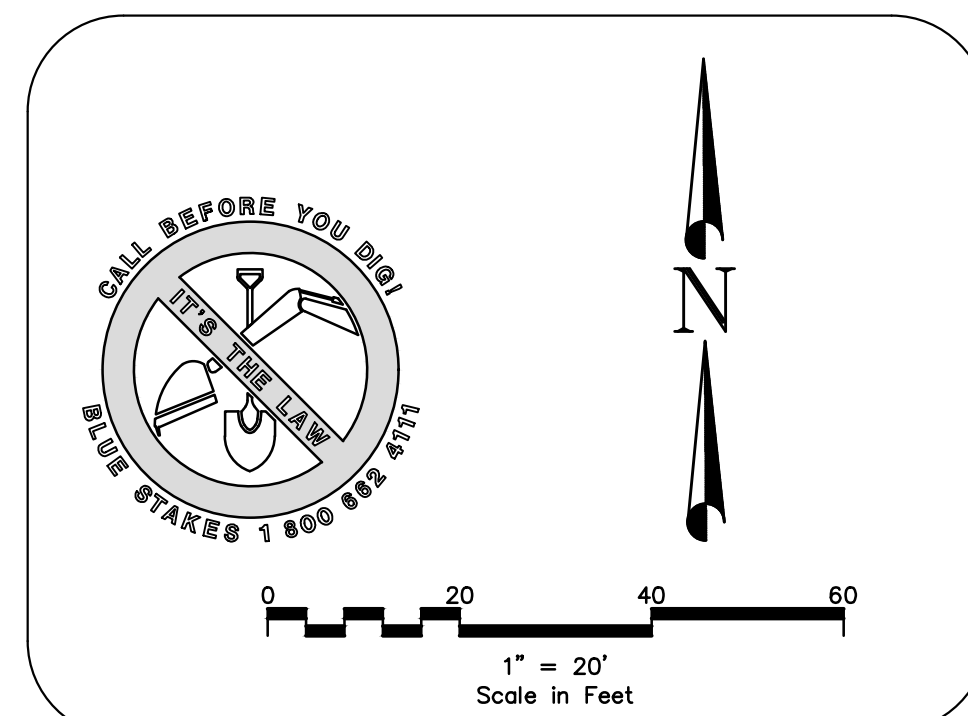
MATERIALS TABLE:

- 317 LF ± 2" HDPE 3408 SDR-9 POLY WATERLINE.
- 347 LF ± 6" CLASS 52 DUCTILE IRON FIRE LINE.
- 2" WATER METER. (1)
- 6" WATER VALVE. (1)
- THRUST BLOCK. (5)
- 336 LF ± 6" PVC SDR-35 SEWER LINE.
- 6" SEWER CLEANOUT. (2)
- 1,000 GALLON GREASE TRAP. (1)

A RIGHT OF WAY ENCROACHMENT PERMIT MUST BE OBTAINED FROM THE CITY OF SARATOGA SPRINGS PRIOR TO DOING ANY WORK IN THE EXISTING RIGHT OF WAY. CONTACT CHRIS KLINGEL AT 801-766-9793, EXT. 118.

GENERAL NOTES:

- CONTRACTOR SHALL NOTIFY BLUE STAKES PRIOR TO CONSTRUCTION
- CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITY LINES AND STRUCTURES PRIOR TO CONSTRUCTION
- ALL PROPOSED WATER LINES SHALL HAVE A MINIMUM OF 5' OF COVER
- ALL SEWER, WATER AND STORM DRAIN PIPES SHALL BE BACKFILLED WITH SELECT GRANULAR FILL AS PER CITY STANDARDS.
- ANY OFF SITE DAMAGE TO EXISTING ASPHALT, CURB & GUTTER, LANDSCAPING AND ALL UTILITIES SHALL BE REPLACED IN KIND.
- SEE GRADING PLAN FOR CONSTRUCTION OF STORM DRAIN LINES.
- ALL WORK SHALL BE ACCORDING TO CITY STANDARDS.

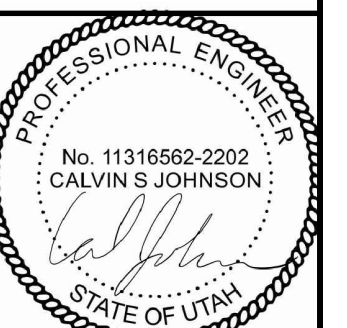


NO.	REVISIONS	BY	DATE

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PHONE: 435-654-4828  
www.legendengineering.com

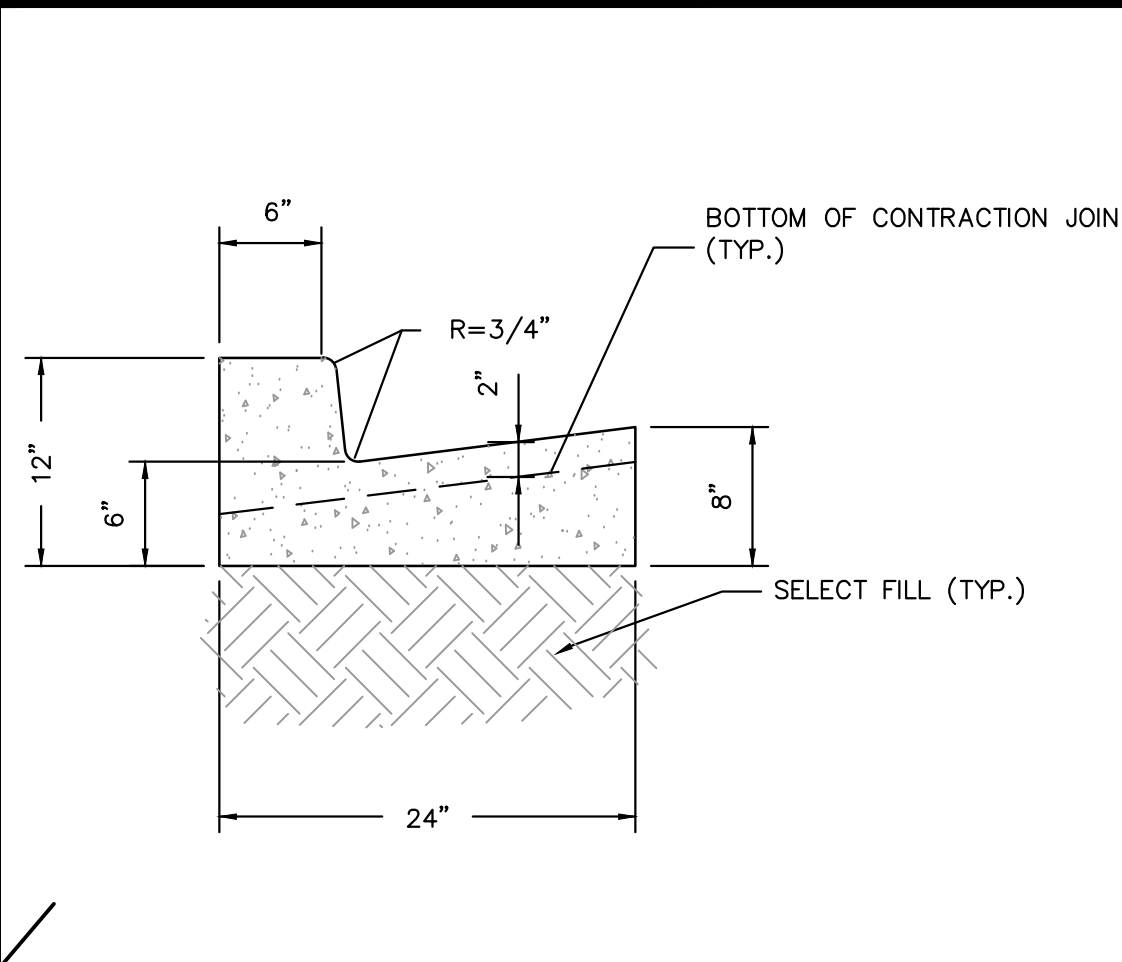


JENNY CHAN RESTAURANT  
UTILITY PLAN  
2092 N. HILLCREST ROAD, SARATOGA SPRINGS, UT 84045

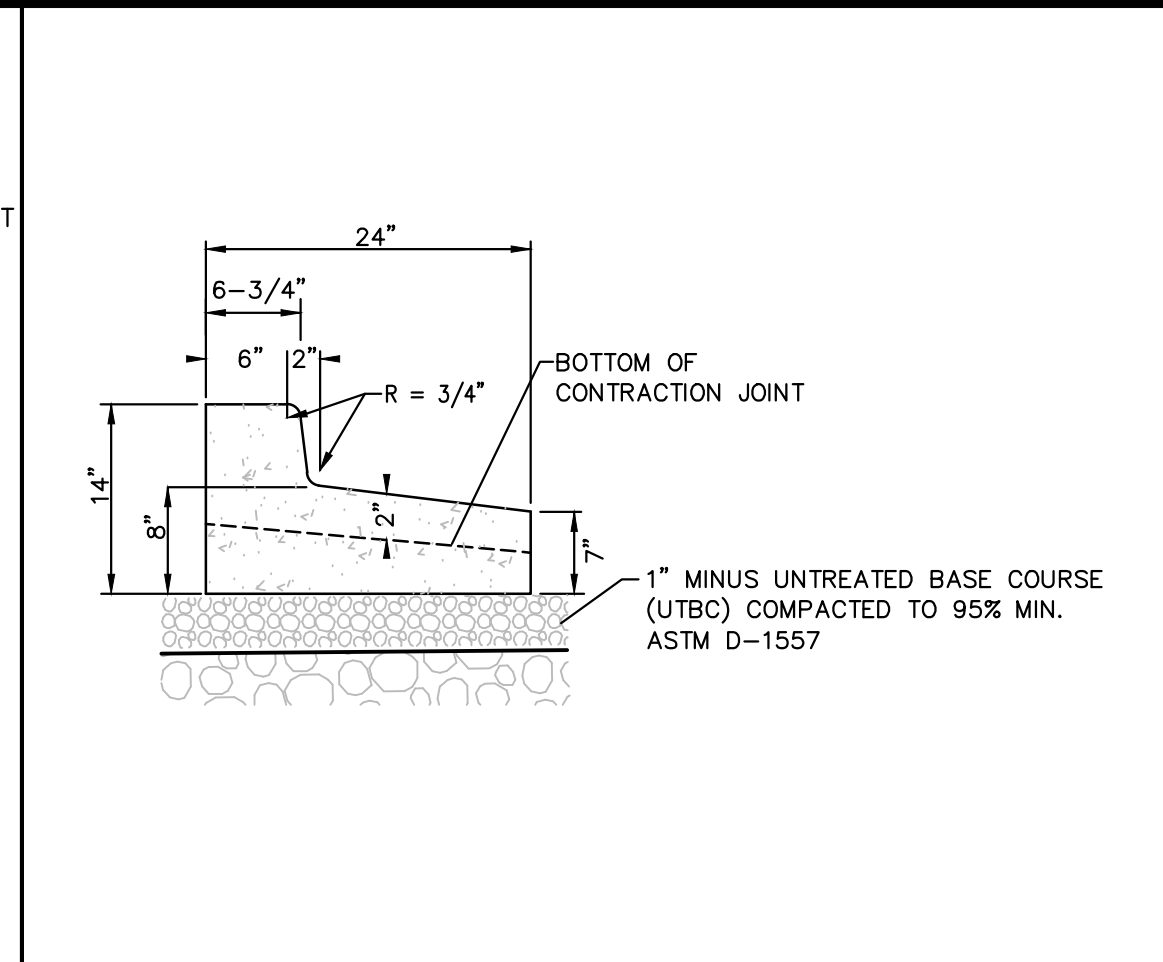


SHEET:  
**C-4**

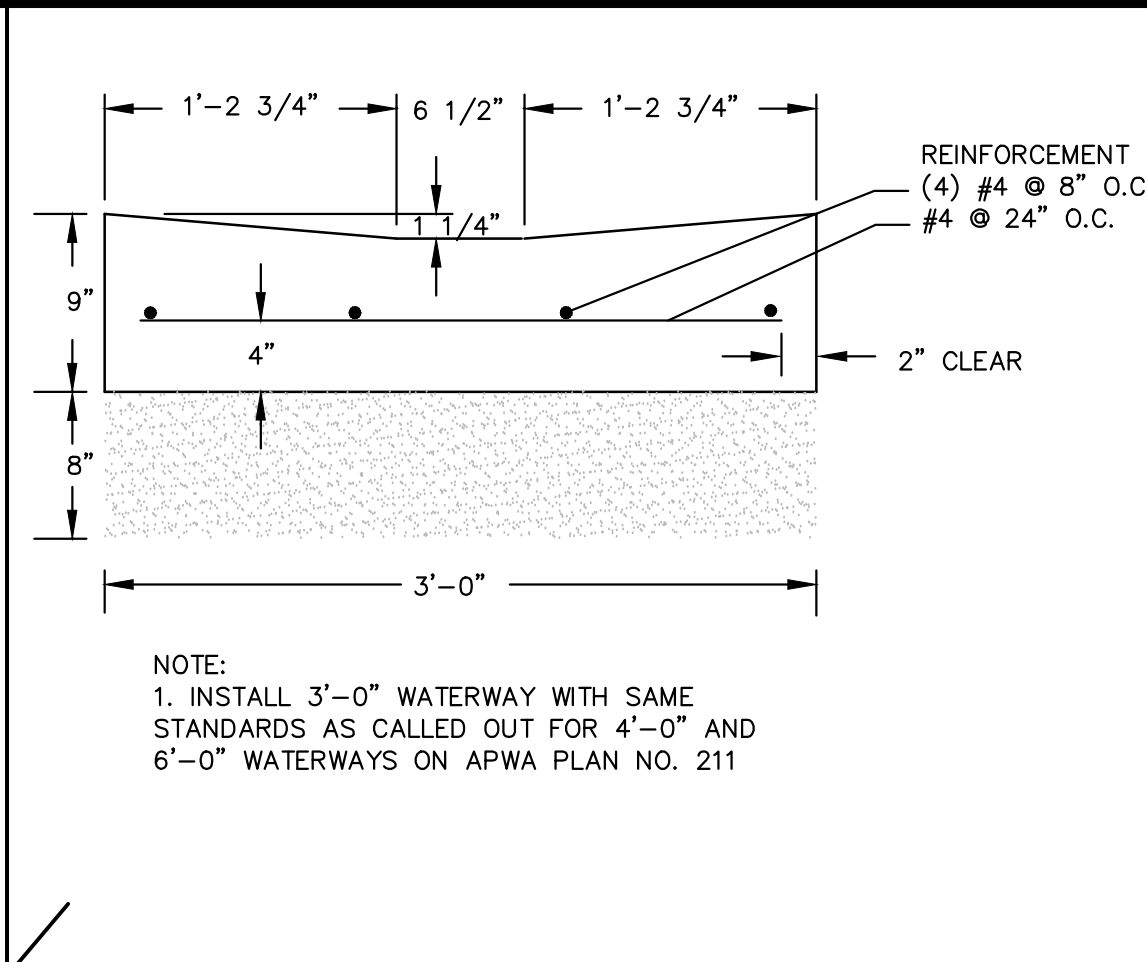
BUILDING PERMIT DATE: 2/7/2020



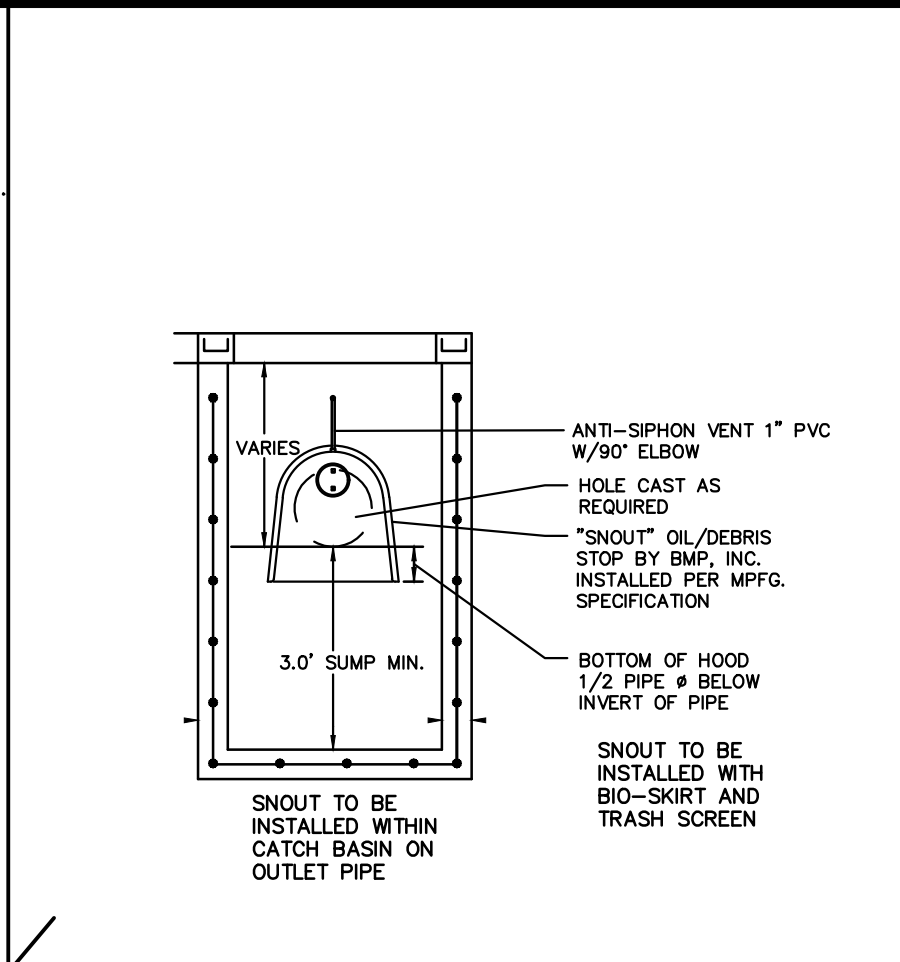
1 24" CURB & GUTTER  
N.T.S.



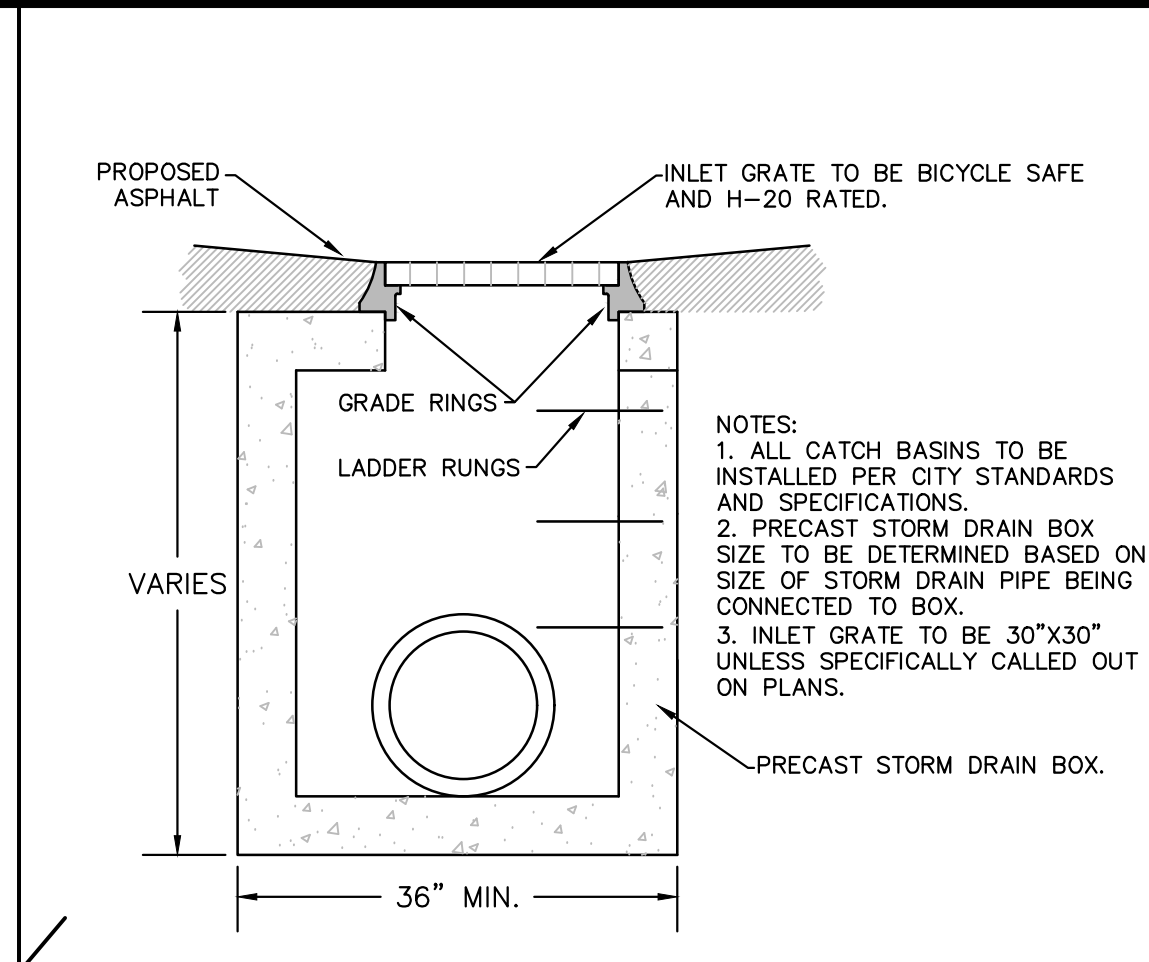
2 24" REVERSE PAN CURB & GUTTER  
N.T.S.



3 3'-0" ROLL GUTTER  
N.T.S.



4 SNOT OIL & DEBRIS STOP  
N.T.S.

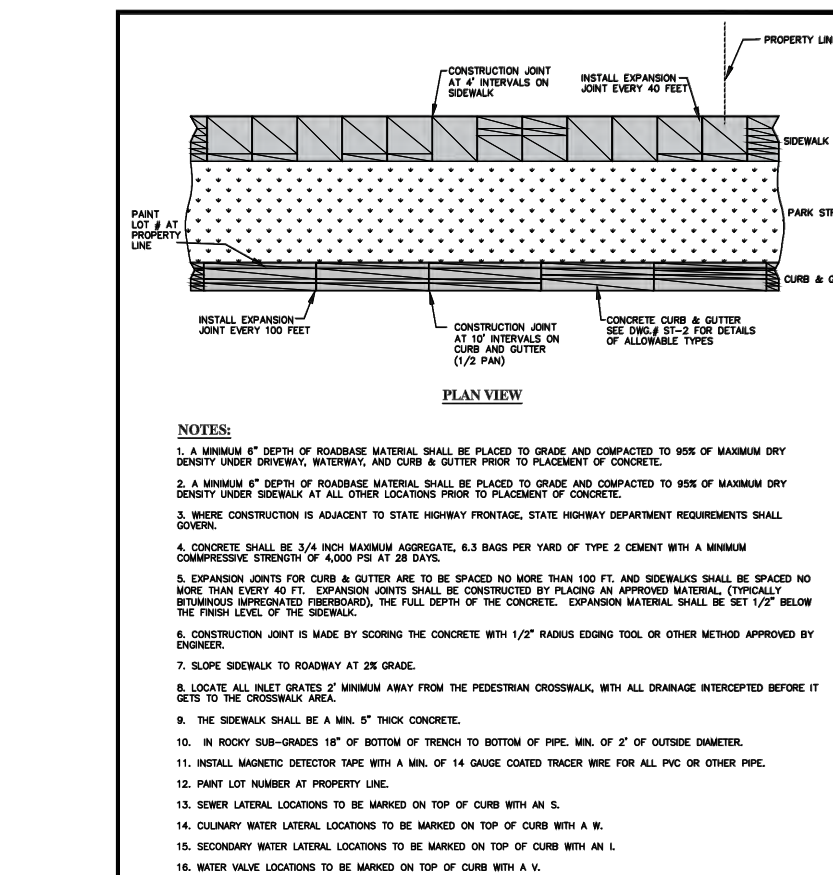


5 STANDARD STORM DRAIN INLET BOX  
N.T.S.

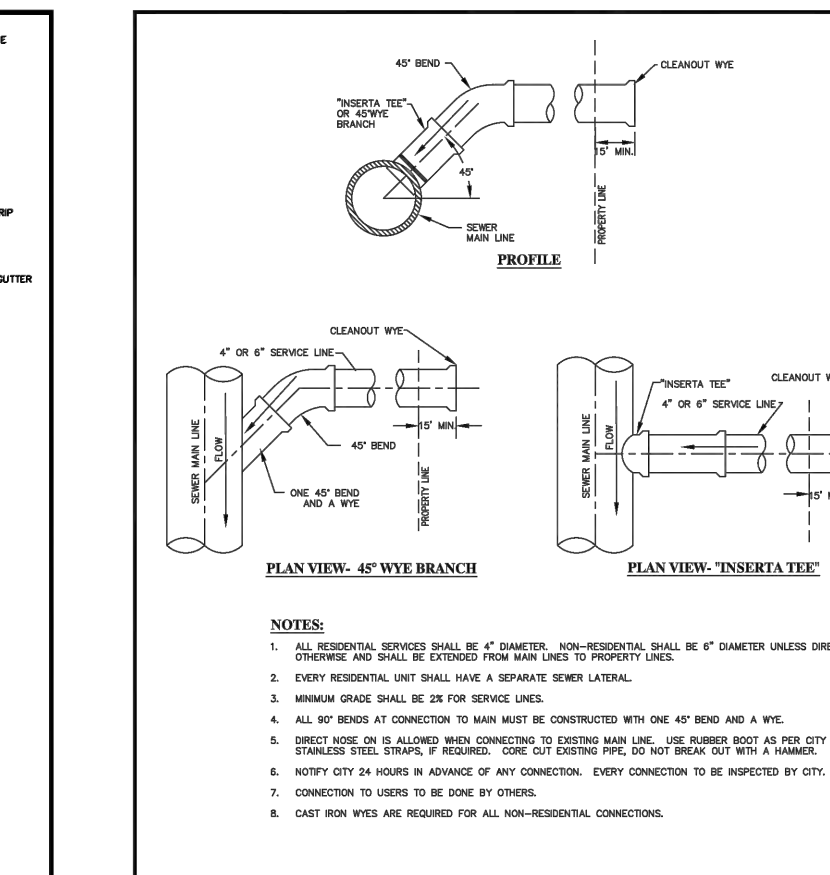
**1. GENERAL**  
A. Variance from specified dimensions and slopes must be acceptable to the ENGINEER. System configuration may be changed at ENGINEER'S discretion.  
B. Additional requirements are specified in APWA Section 32 16 13.

**2. PRODUCTS**  
A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER'S permission.  
B. Expansion Joint Filler: 1/2 inch thick Type F full depth, APWA Section 32 13 73.  
C. Concrete: Class 4000, APWA Section 03 30 04. If necessary, provide concrete that achieves design strength in less than 7 days. Use caution; however, as concrete crazing (spider cracks) may develop if air temperature exceeds 90 degrees F.  
D. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.

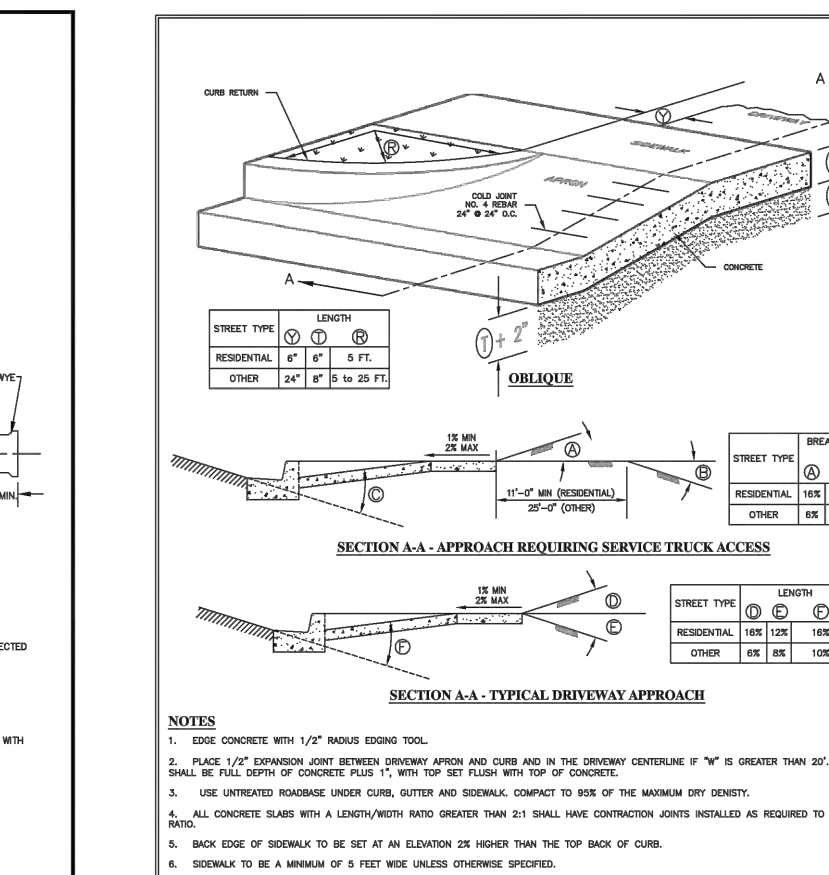
**3. EXECUTION**  
A. Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8 inches when using riding equipment or 6 inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 32 22 26.  
B. Concrete Placement: APWA Section 03 30 10.  
1) Install expansion joints vertical, full depth, with top of filler seal flush with concrete surface.  
2) Install contraction joints vertical, 1/8 inch wide or 1/4 inch thick if the slab is greater than 8 inches thick. Maximum length to width ratio for non-square slabs is 1.5 to 1. Maximum panel length (in feet) is 1.5 times the slab thickness (in inches).  
3) Provide 1/2 inch radius edges. Apply a broom finish. Apply a curing agent.



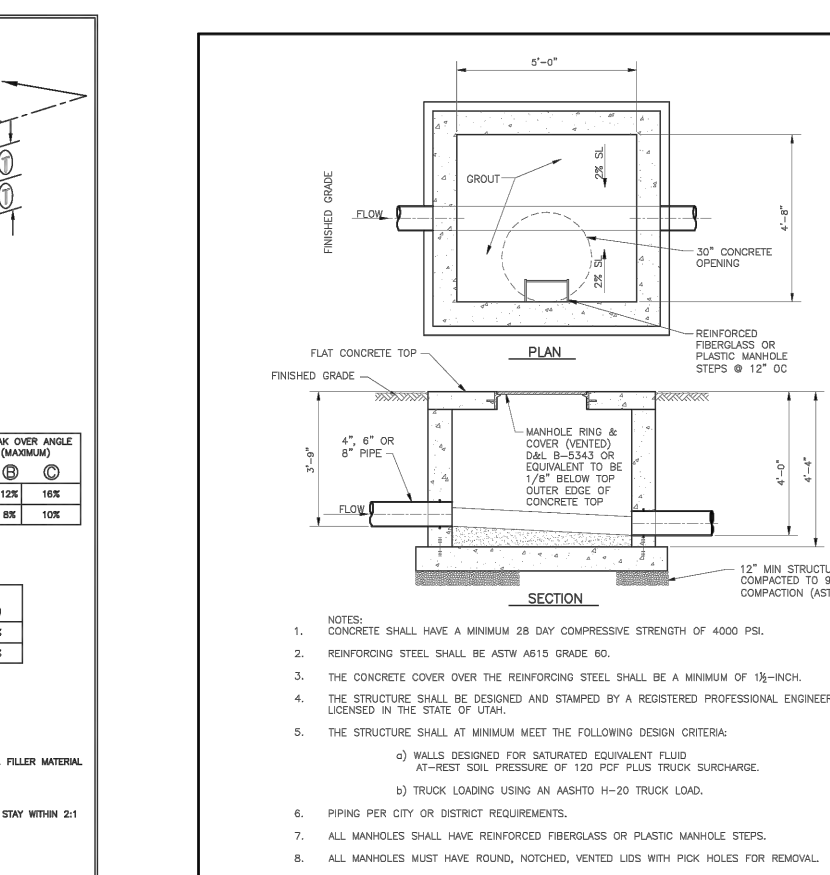
SIDEWALK, CURB & GUTTER STANDARDS  
SARATOGA SPRINGS CITY  
ST-1



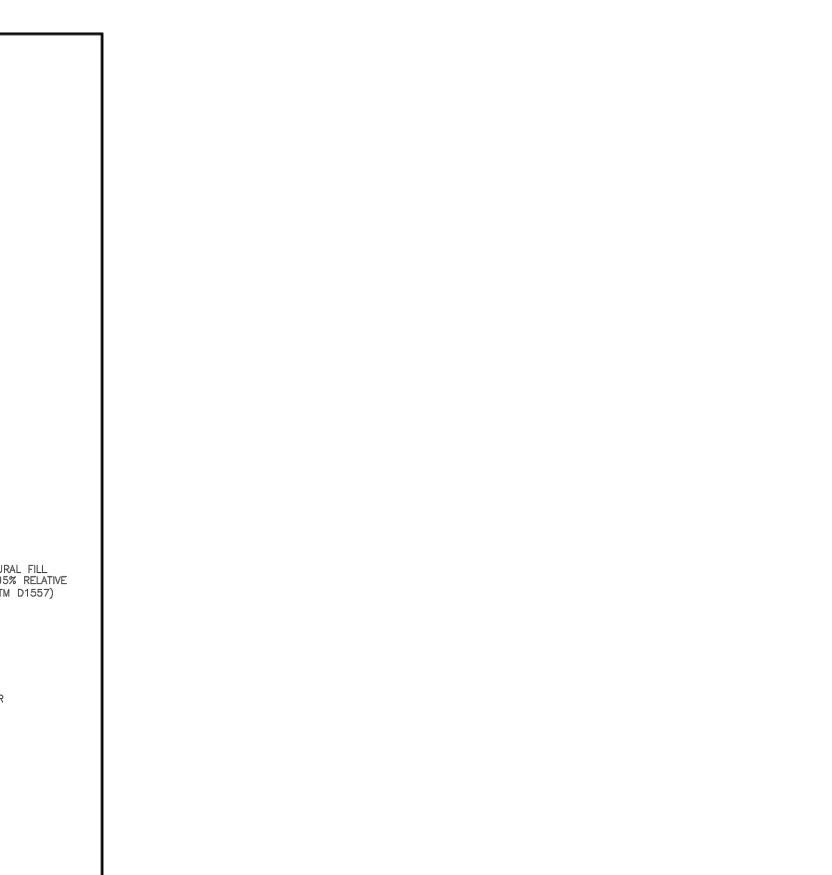
SEWER SERVICE CONNECTION  
SARATOGA SPRINGS CITY  
SS-3



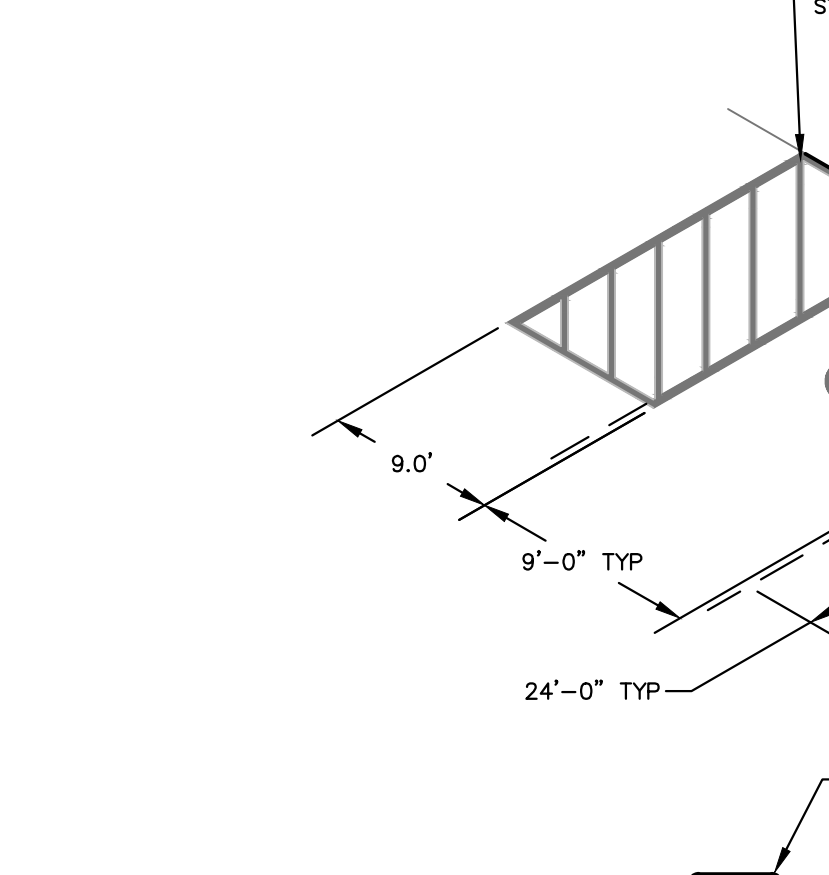
COMMERCIAL DRIVE APPROACH  
SARATOGA SPRINGS CITY  
ST-4B



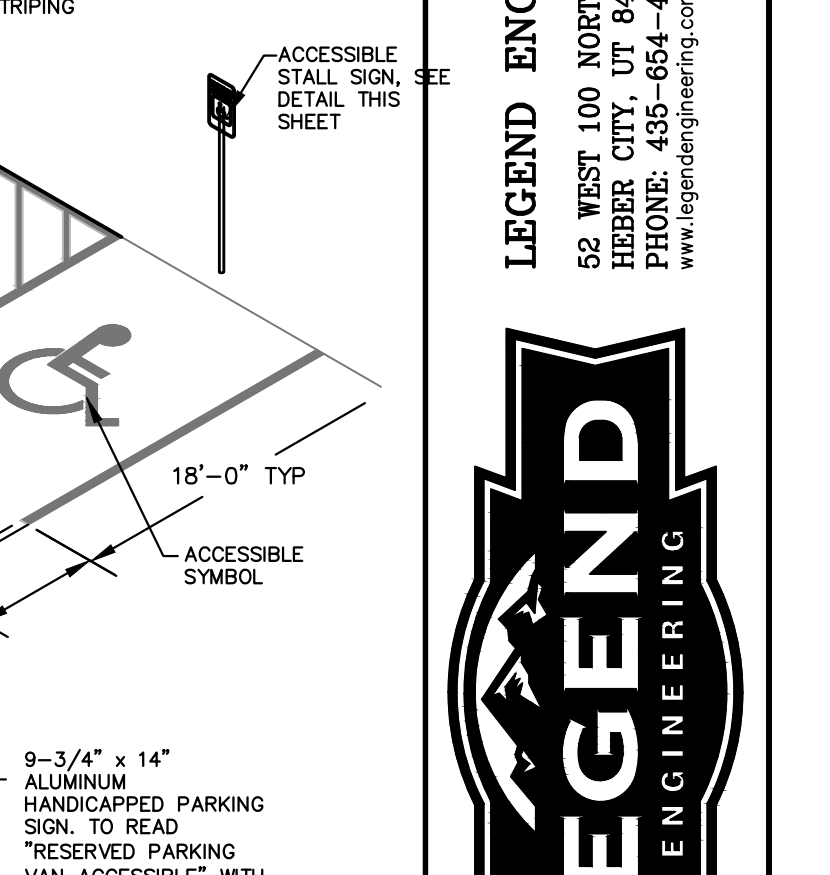
FIRE HYDRANT CONNECTION  
SARATOGA SPRINGS CITY  
DW-4



NON-RESIDENTIAL METER CONNECTION  
2" OR 1 1/2"  
SARATOGA SPRINGS CITY  
DW-6

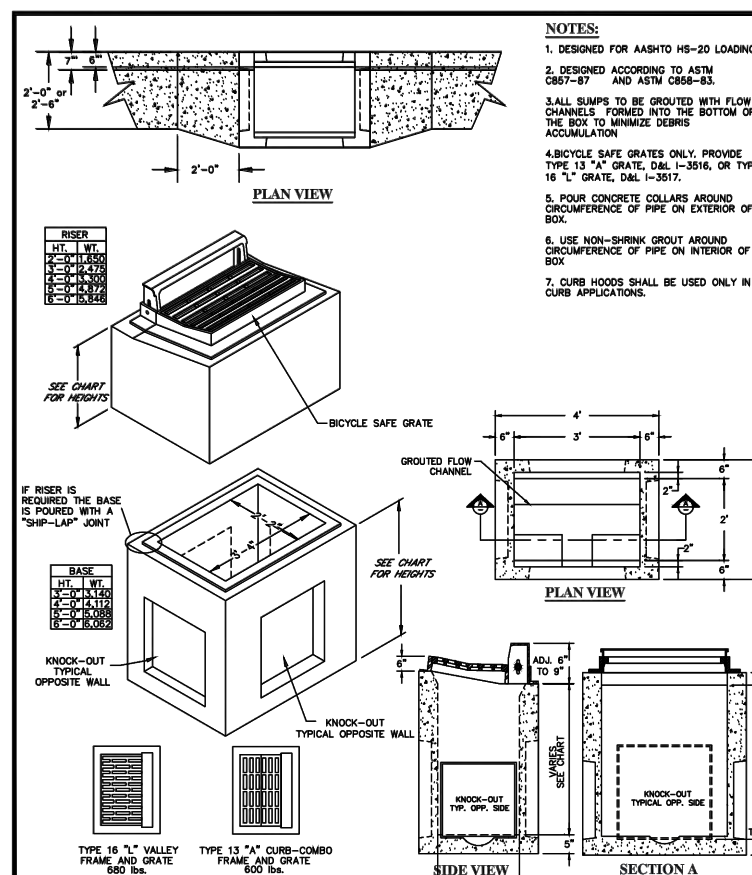


CONCRETE THRUST BLOCKS  
SARATOGA SPRINGS CITY  
DW-2

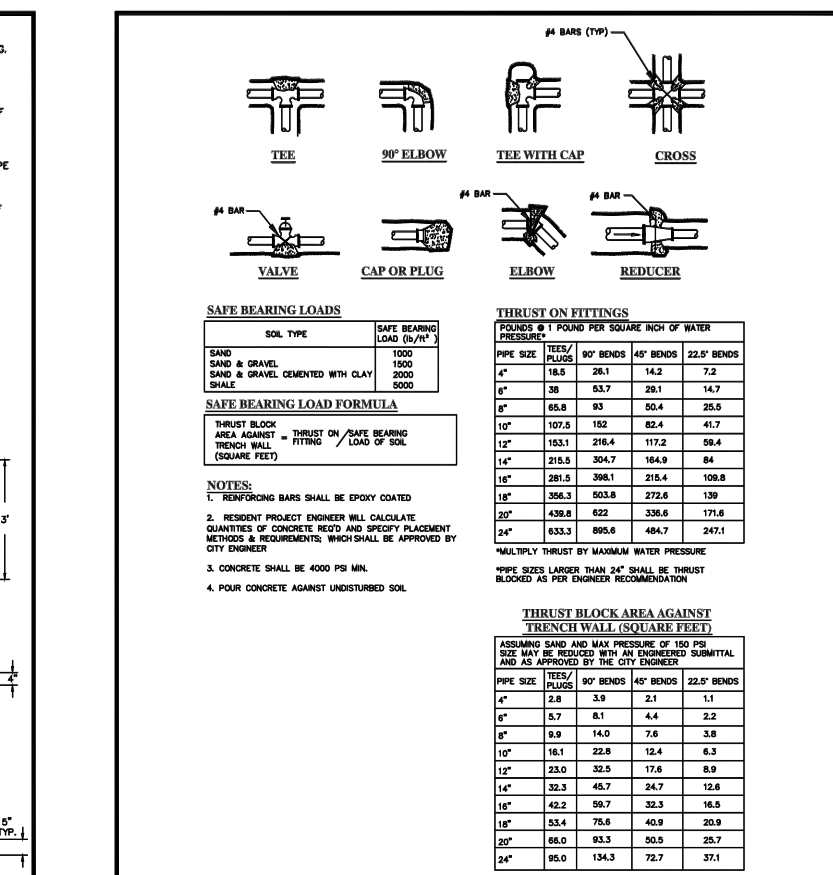


ADA ACCESSIBLE RAMP  
SARATOGA SPRINGS CITY  
ST-SB

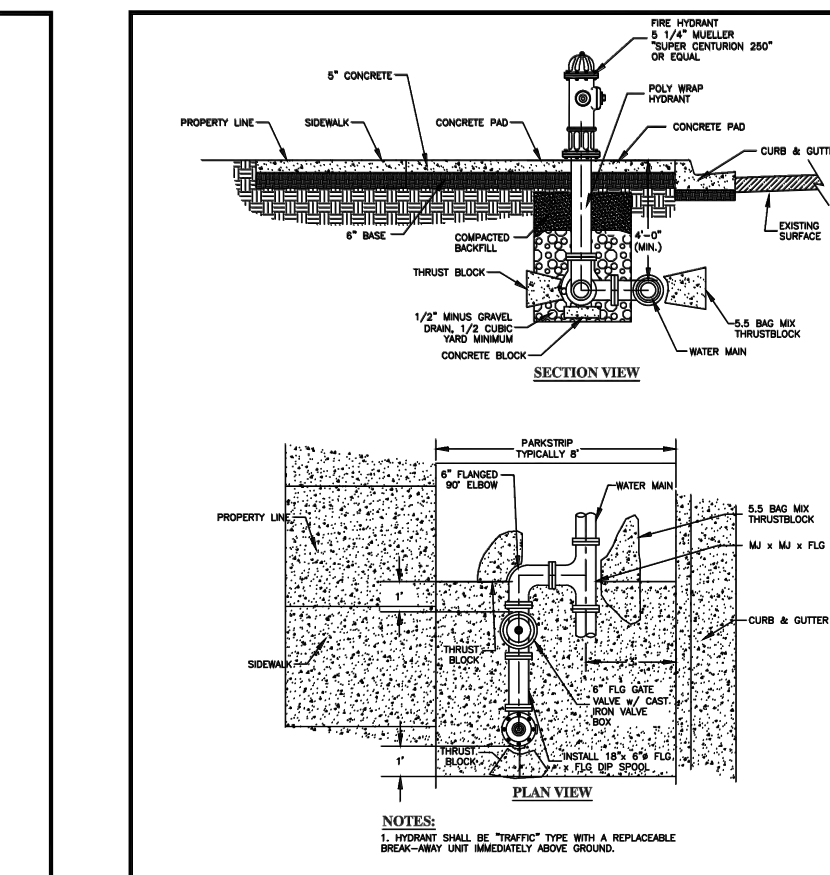
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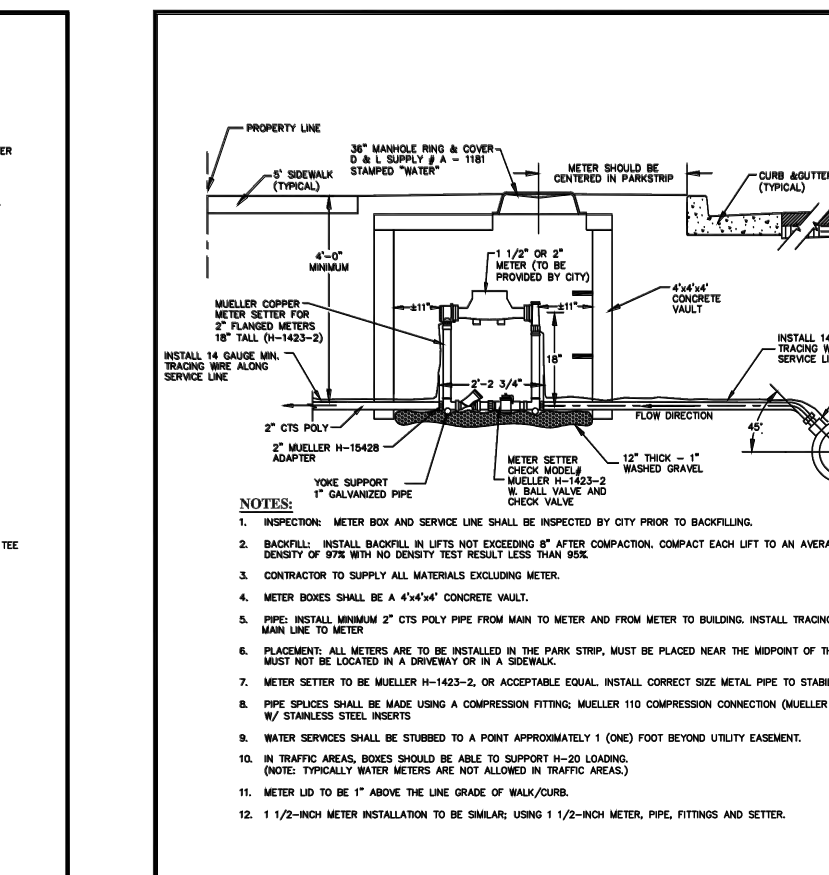
GUTTER INLET BOX  
SARATOGA SPRINGS CITY  
SD-2



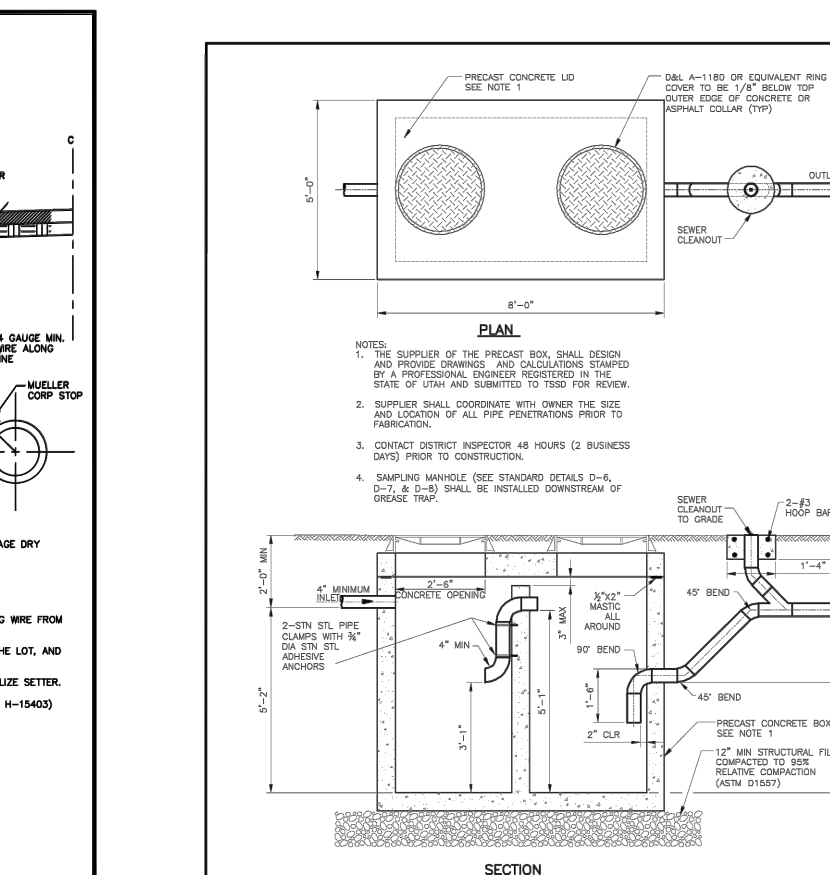
FIRE HYDRANT CONNECTION  
SARATOGA SPRINGS CITY  
DW-4



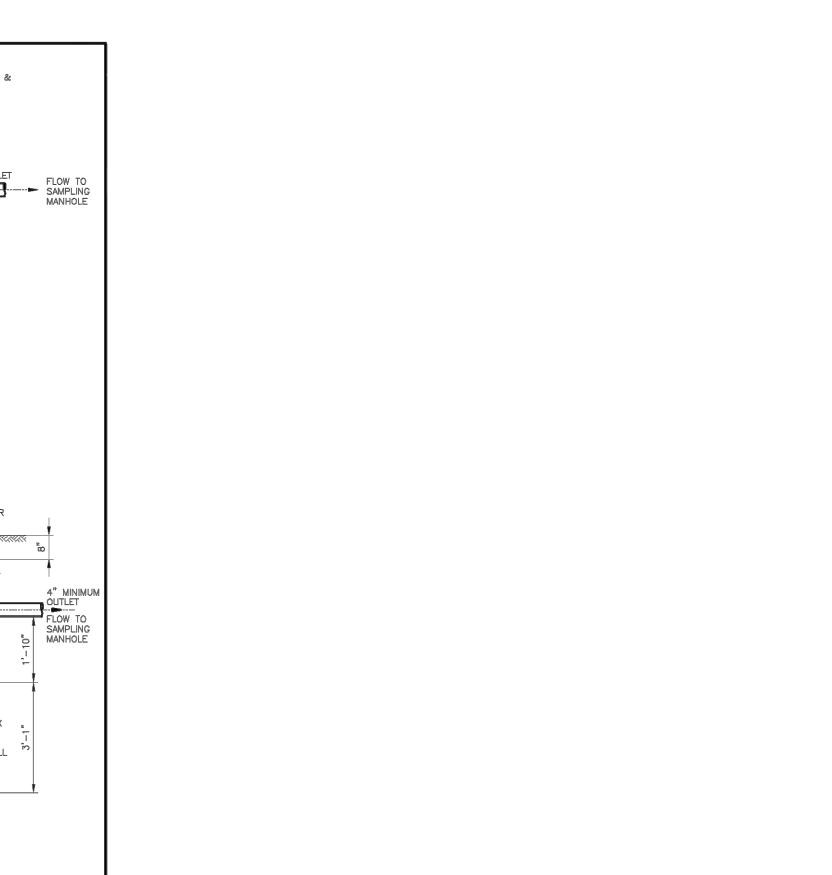
NON-RESIDENTIAL METER CONNECTION  
2" OR 1 1/2"  
SARATOGA SPRINGS CITY  
DW-6



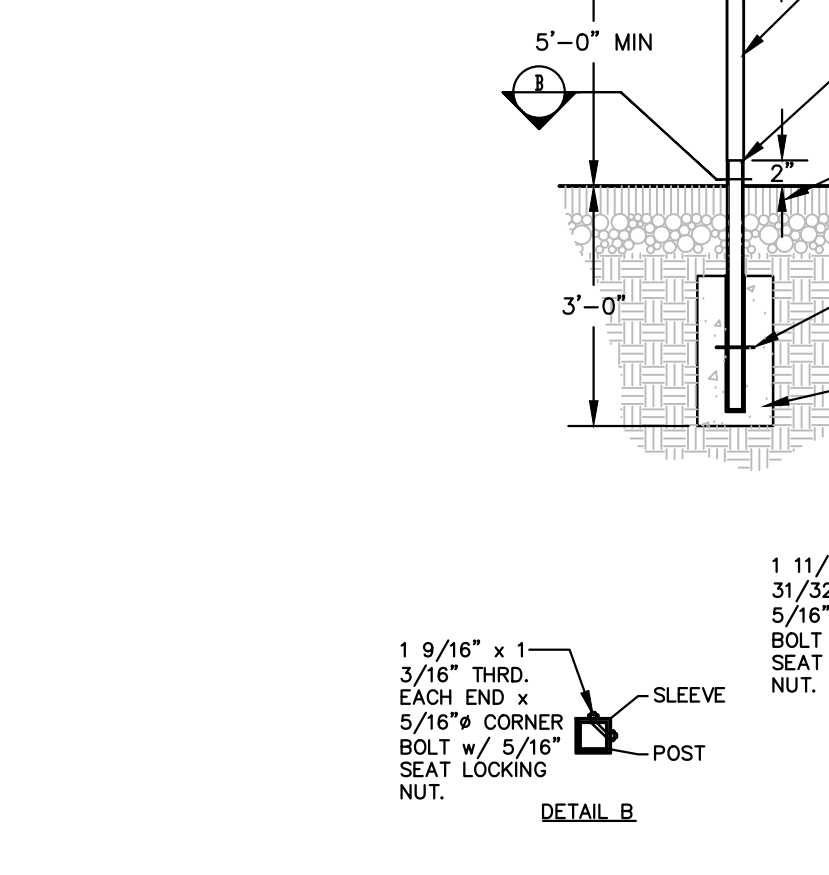
CONCRETE THRUST BLOCKS  
SARATOGA SPRINGS CITY  
DW-2



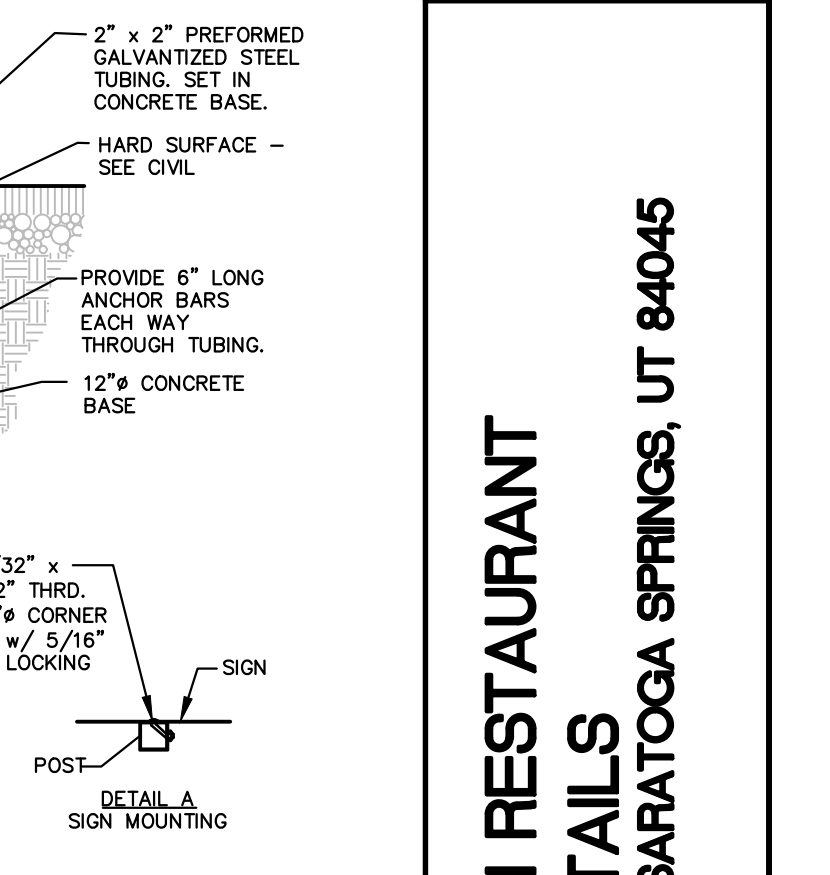
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SARATOGA SPRINGS CITY  
ST-SB



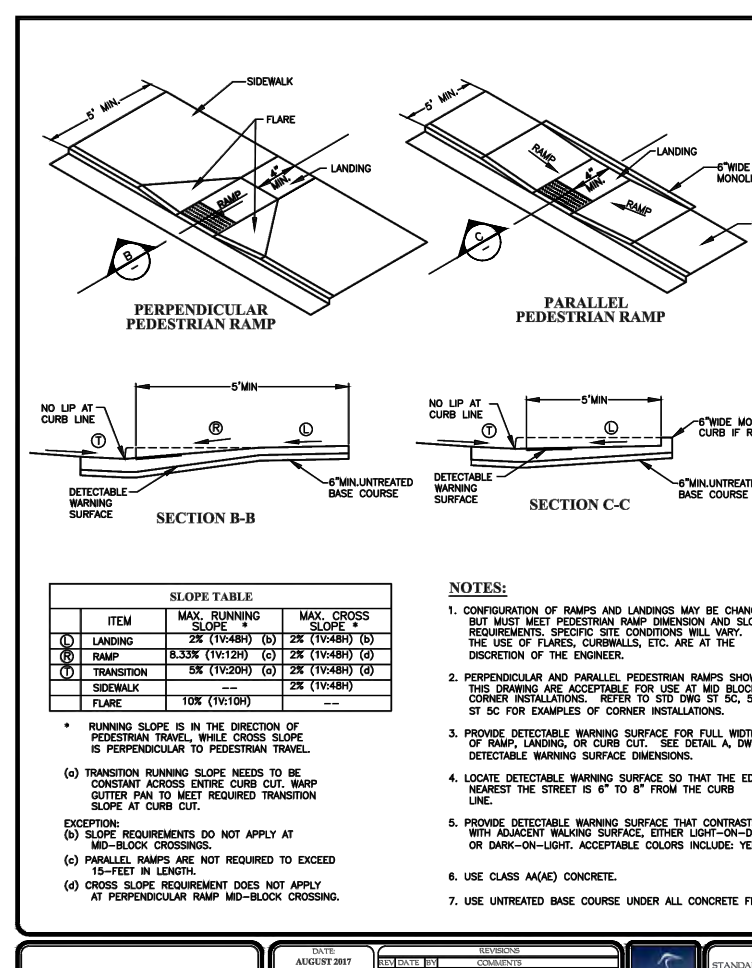
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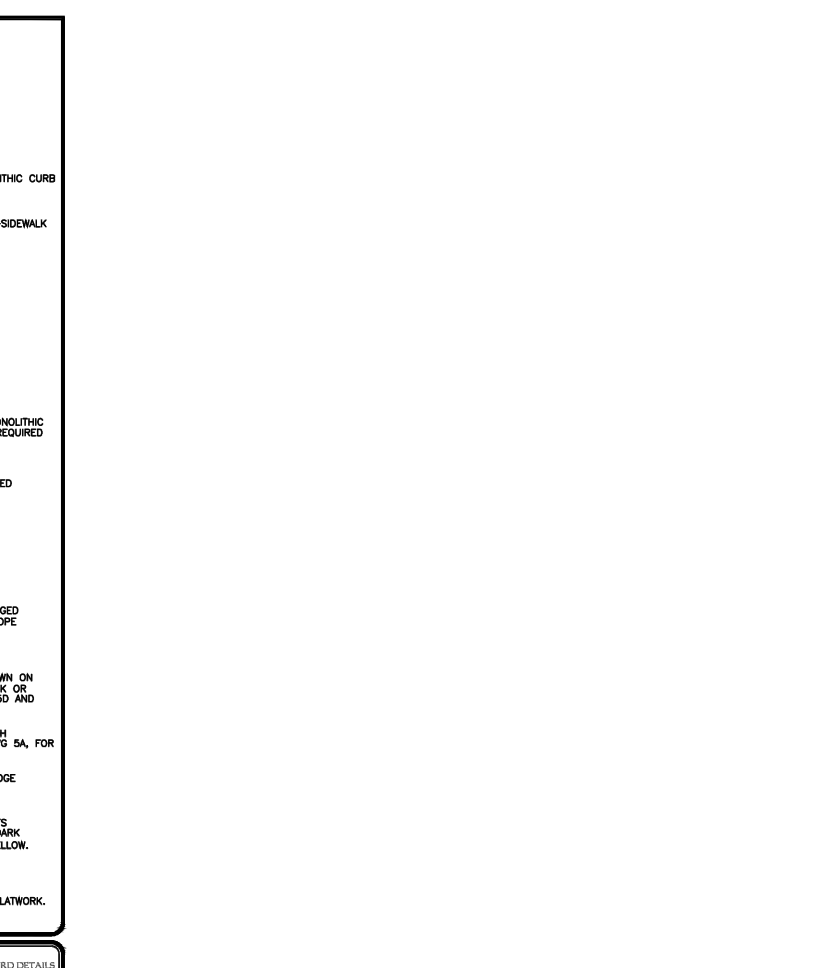
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ST-SB



ADA ACCESSIBLE RAMP  
SARATOGA SPRINGS CITY  
ST-SB



PERPENDICULAR PEDESTRIAN RAMP  
SARATOGA SPRINGS CITY  
ST-SB



PARALLEL PEDESTRIAN RAMP  
SARATOGA SPRINGS CITY  
ST-SB



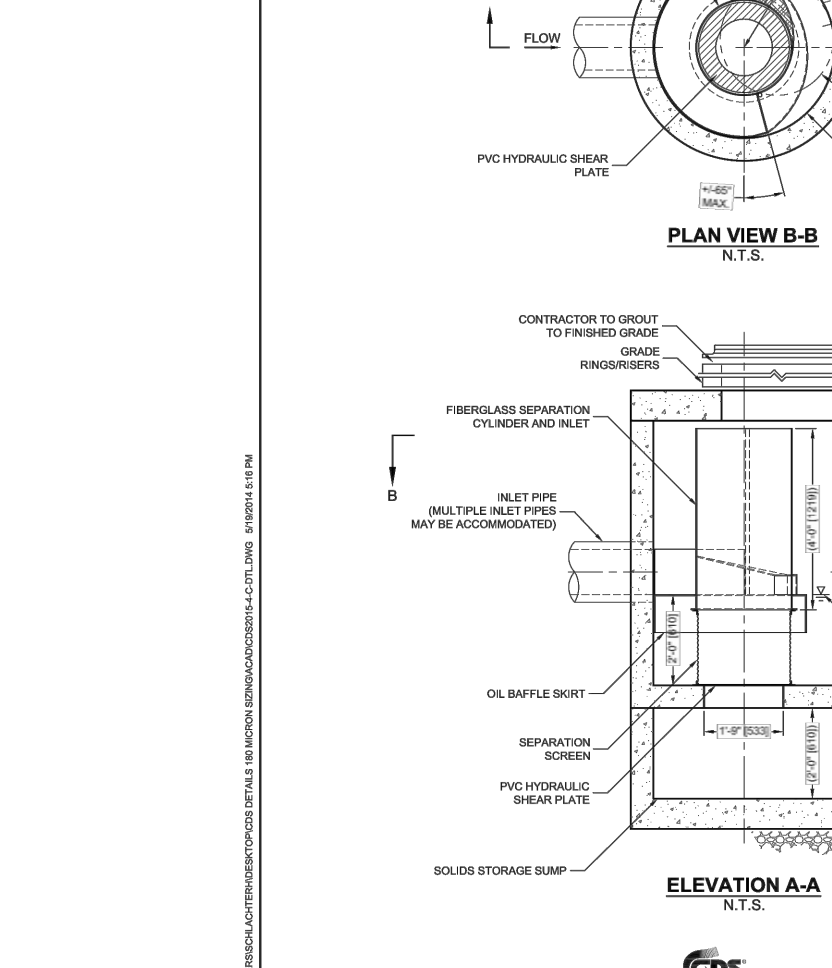
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ST-SB



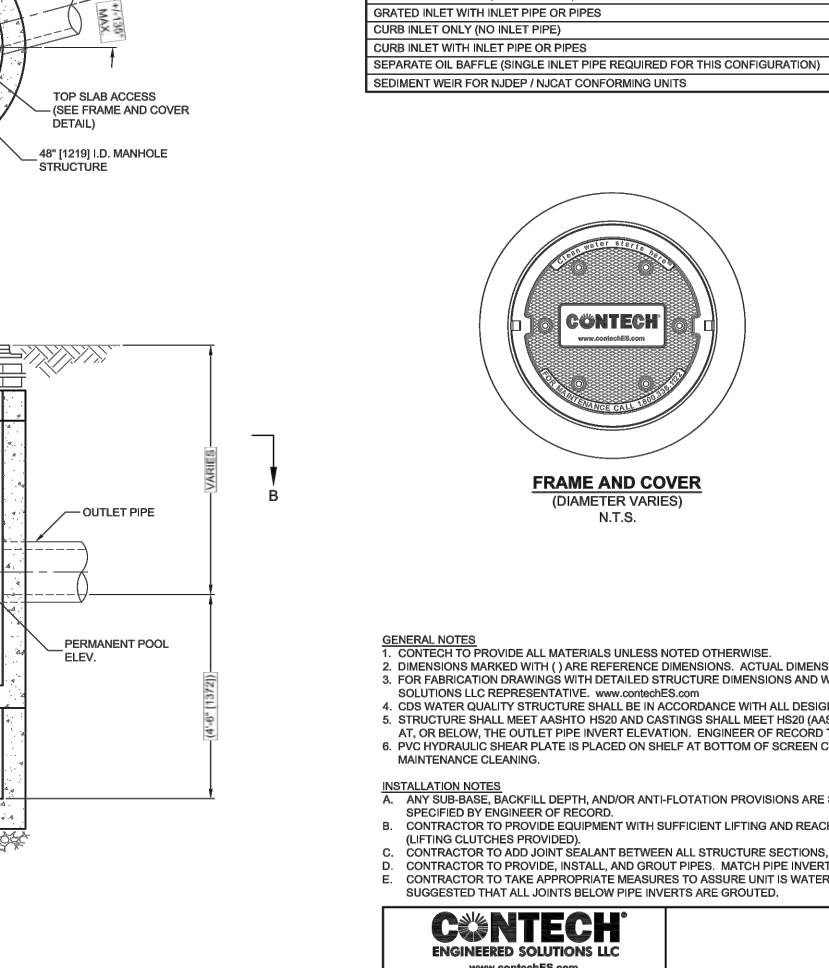
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ST-SB



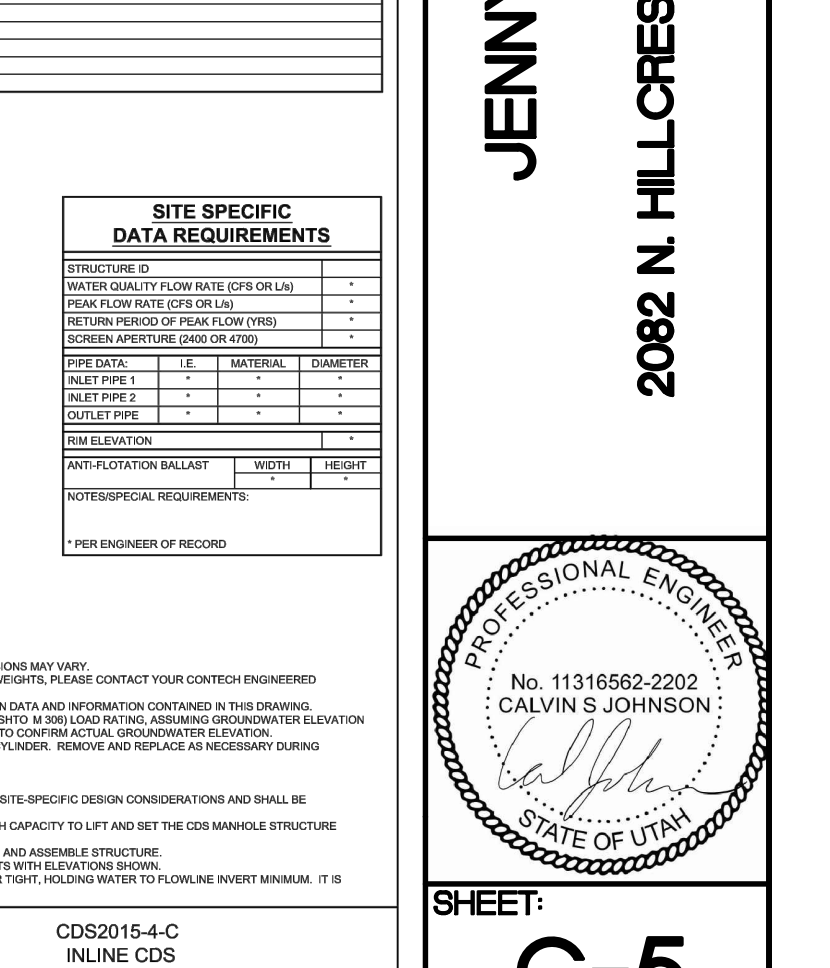
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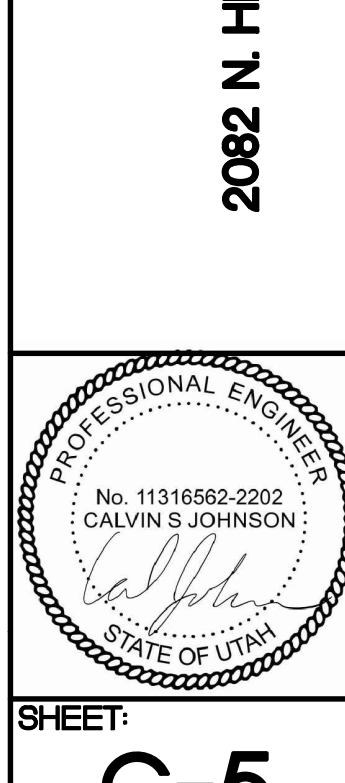
NO.	REVISIONS	BY	DATE

ENGINEER: CJ  
CHECKED BY: LR

LEGEND ENGINEERING  
52 WEST 100 NORTH  
HEBER CITY, UT 84032  
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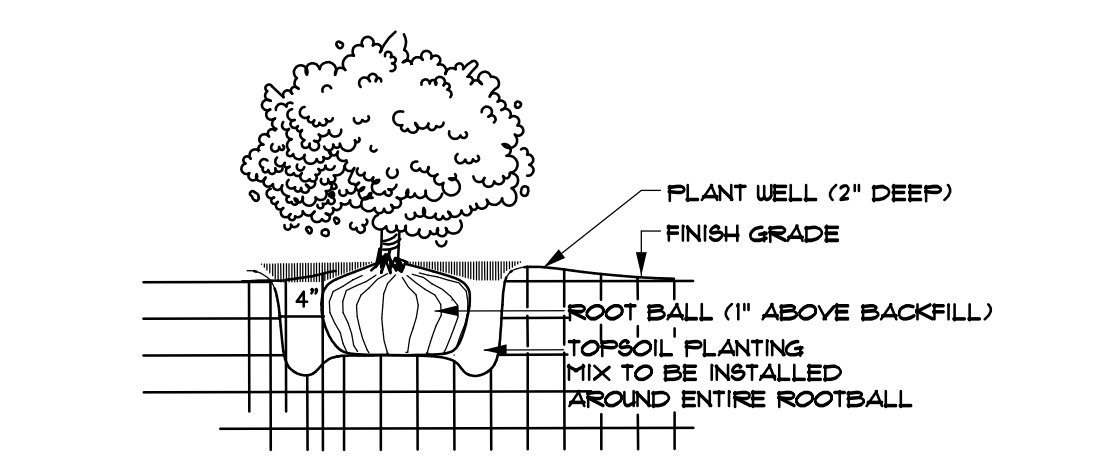
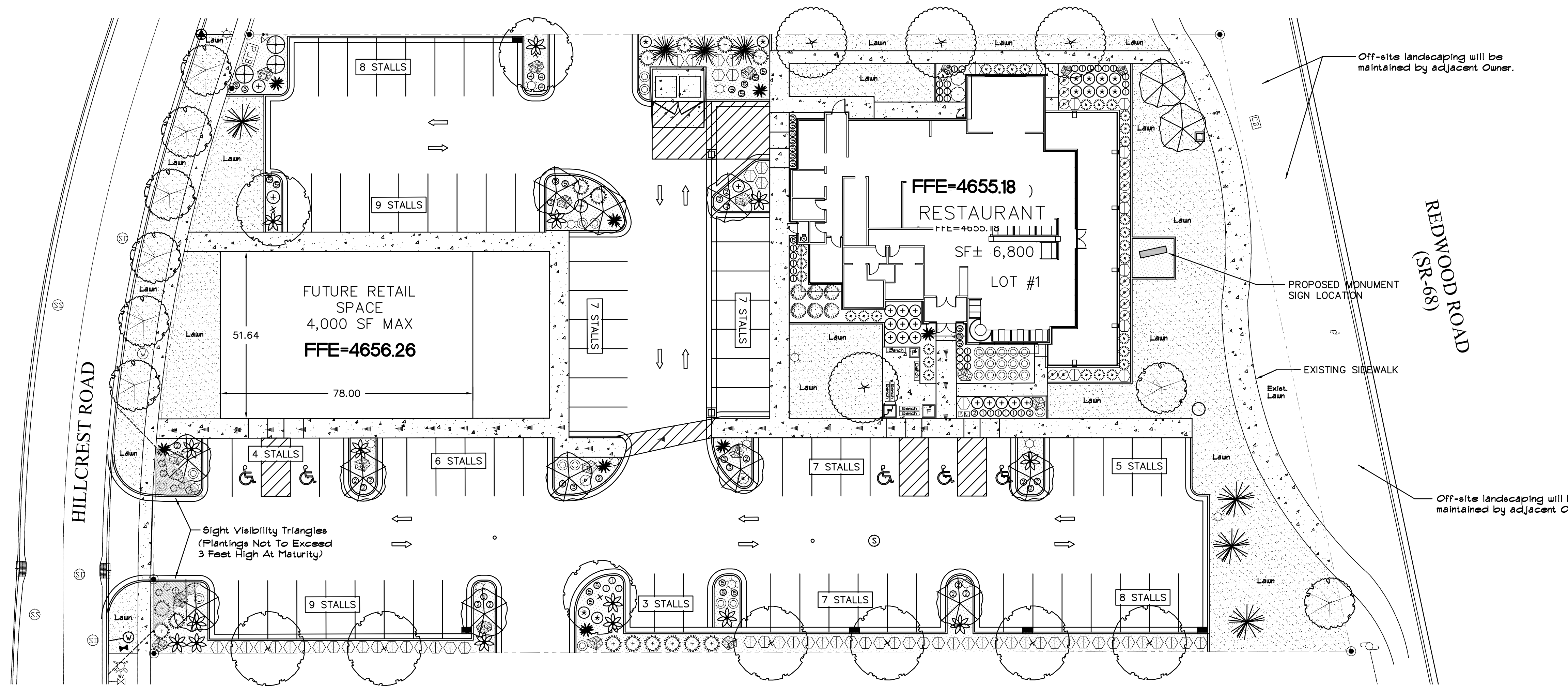
JENNY CHAN RESTAURANT  
DETAILS  
2082 N. HILLCREST ROAD, SARATOGA SPRINGS, UT 84045



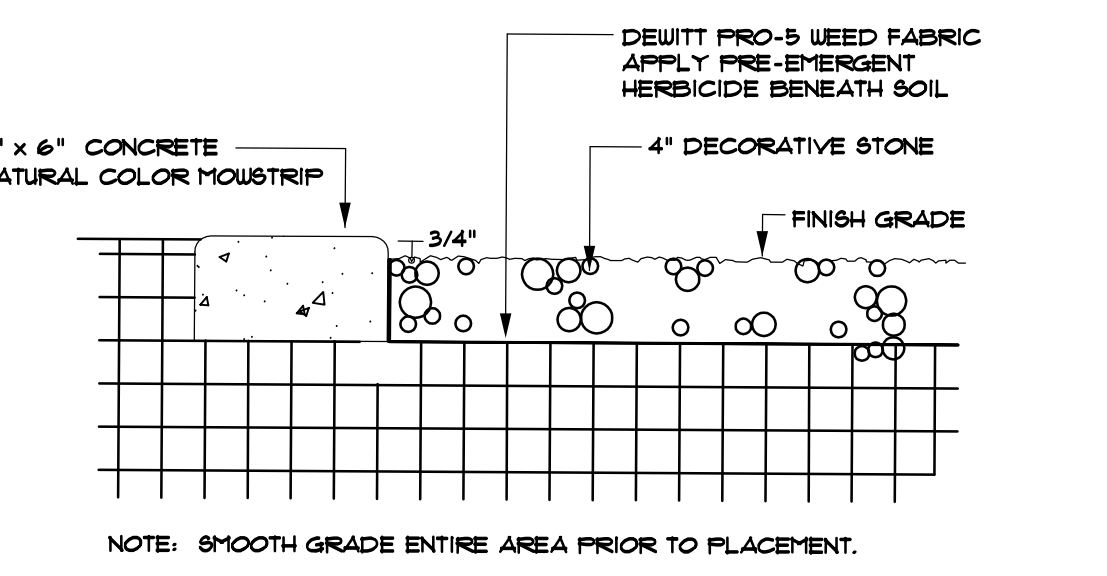
SHEET: C-5  
DATE: 2/7/2020



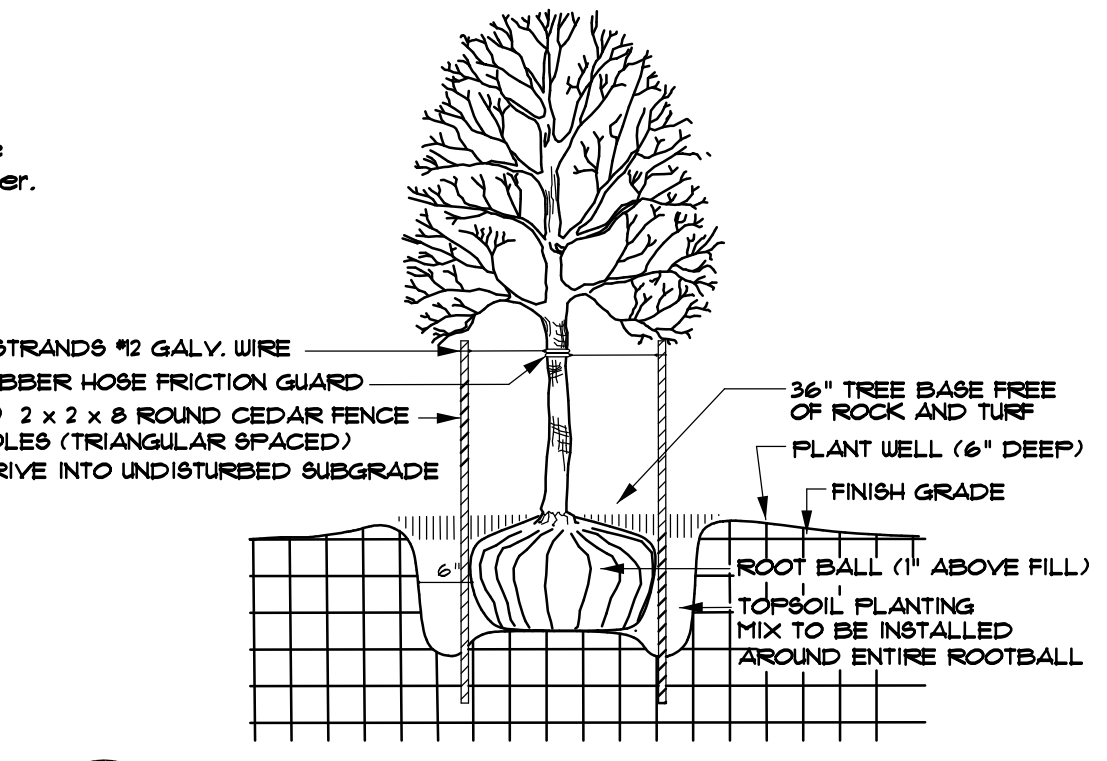




1 Shrub Planting  
N. T. S.



2 Mowstrip / Stone Mulch  
N. T. S.



3 Tree Planting  
N. T. S.

Plant List (TREES)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
4	[Symbol]	Gleditsia triacanthos 'Imperial'	Imperial Honeylocust	2" Caliper 10' Height	Full Head Crown Straight Trunk
4	[Symbol]	Pinus flexilis 'Vanderwolfie'	Vanderwolfie Limber Pine	8"-10" Height B & B	Full Throughout Specimen
3	[Symbol]	Pinus nigra 'Arnold Sentinel'	Arnold Sentinel Pine	8"-10" Height B & B	Full Throughout Specimen
8	[Symbol]	Prunus virginiana 'Canada Red'	Canadian Red Cherry	2" Caliper 8' Height	Full Head Crown Straight Trunk
13	[Symbol]	Pyrus calleryana 'Chanticleer'	Chanticleer Flowering Pear	2" Caliper 8' Height	Full Head Crown Straight Trunk
9	[Symbol]	Zelcova serrata 'Green Vase'	Green Vase Zelcova	2" Caliper 10' Height	Full Head Crown Straight Trunk

Plant List (SHRUBS)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
16	[Symbol]	Berberis thund. 'Crimson Pygmy'	Crimson Pygmy Barberry	5 Gallon	15"-18" Height
16	[Symbol]	Cornus alba 'Ivory Halo'	Ivory Halo Dogwood	5 Gallon	18"-24" Height
15	[Symbol]	Physocarpus o. 'Summer Wine'	Summer Wine Ninebark	5 Gallon	24"-30" Height
30	[Symbol]	Pinus mugo 'Sloumound'	Sloumound Mugo Pine	5 Gallon	18"-24" Spread
15	[Symbol]	Rhus aromatica 'Grow-Low'	Grow Low Sumac	2 Gallon	18"-24" Spread
6	[Symbol]	Rosa x. 'Rainbow Knockout'	Knock Shrub Rose	5 Gallon	15"-18" Height
12	[Symbol]	Caryopteris clandonensis	Blue Mist Spiraea	5 Gallon	18"-24" Height
18	[Symbol]	Spiraea b. 'Anthony Waterer'	Anthony Waterer Spiraea	5 Gallon	18"-24" Height
8	[Symbol]	Yucca filam. 'Ivory Tower'	Ivory Tower Yucca	5 Gallon	18"-24" Height

Plant List (ORNAMENTAL GRASSES)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
10	[Symbol]	Calamagrostis 'Karl Foerster'	Karl Foerster Feather Grass	5 Gallon	24"-30" Height
3	[Symbol]	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	5 Gallon	24"-30" Height
29	[Symbol]	Fernisetum o. 'Hamel'	Hamel Du. Feather Grass	2 Gallon	12"-15" Height

Plant List (PERENNIALS)

Quan.	Symbol	Botanical Name	Common Name	Size	Remarks
43	[Symbol]	Hemerocallis Stella d'Oro	Stella d'Oro Day Lily	1 Gallon	12"-15" Height
23	[Symbol]	Lavandula 'Munstead'	Munstead Lavender	1 Gallon	12"-15" Height
6	[Symbol]	Rudbeckia e. 'Firecracker'	Firecracker Penstemon	1 Gallon	12"-15" Height
3	[Symbol]	Rudbeckia f. 'Goldstrum'	Black-Eyed Susan	1 Gallon	12"-15" Height
26	[Symbol]	Salvia 'East Friesland'	East Friesland Salvia	1 Gallon	10"-12" Height

\*\* Plant material quantities are provided for convenience in bidding ONLY!! The contractor shall provide and install all plant materials either shown or noted on the plans, and of the sizes and heights specified.

Planting Notes

- All lawn areas shall receive a 4 inch depth of topsoil, shrub planting areas an 8 inch depth of topsoil. If topsoil is not available on-site, it must be imported from an approved local source. All topsoil shall be of a sandy loam consistency. Provide a chemical analysis for all topsoil for approval.
- Prior to placement of topsoil, all subgrade areas shall be loosened by scarifying the soil to a depth of 6 inches, by the use of mechanical means, in order to create a transition layer between existing and new soils.
- All plant material holes shall be dug twice the diameter of the rootball and 6 inches deeper. Excavated material shall be removed from the site.
- Plant backfill mixture shall be composed of 3 parts topsoil to 1 part humus additive (Soil Pep/or equal), and shall be rotary mixed on-site prior to installation.
- Plant fertilizer shall be 'Agriform' brand 21 gram tablets used as per manufacturers recommendations.
- Upon completion of planting operations, all shrub pits and tree wells shall receive a 4 inch depth of loose planting mixture as a cover. The overall shrub beds themselves (beyond plant wells) shall receive a 4" depth of decorative stone surfacing over Pro-5 weed barrier fabric. The decorative stone materials to be bid are as shown in the legend. These materials are available through several local suppliers. Provide a "Mock-Up" of the various proposed materials for approval.
- In decorative stone beds, cut the fabric from around the water well of each plant, then apply fine ground bark inside water well. The remainder of the planter bed shall receive the depth of decorative stones.
- Landscape maintenance shall be required for a period through the second mowing of the lawn (30 days minimum) and shall include mowing, weeding, pruning and one fertilization.
- The contractor shall comply with all warranties and guarantees set forth by the Owner, and in no case shall that period be less than one year following the date of completion and final acceptance.

General Notes

- All bidding landscape contractors shall have a minimum of 5 years experience in the installation of commercial landscape and irrigation projects, and be able to supply the necessary staff to perform all tasks associated with these drawings, and in a professional and timely manner.
- The landscape contractor, at all times, shall have personnel on-site experienced in being able to interpret the drawings correctly, and accurately measure the design layout using the specified scale.
- The contractor shall verify the exact location of all existing and proposed utilities, and all site conditions prior to beginning work. The contractor shall coordinate his work with the project manager and all other contractors working on the site.
- The finish grade of all planting areas shall be smooth, even and consistent, free of any rumps, depressions or other grading irregularities. The finish grade of all landscape areas shall be graded consistently 1/2" below all walks, curbs, etc.
- The contractor shall provide all materials, labor and equipment required for the proper completion of all landscape work as specified and shown on the drawings.
- All plant materials shall be approved prior to planting. The Owner/Landscape Architect has the right to reject any and all plant material not conforming to the specifications.
- The contractor shall plant all plants per the planting details, stakes/guy as shown. The top of the rootballs shall be planted flush with the finish grade.

Sub-Grade Requirements

- LAWN AREAS:** Eight (8) inches below finish grade. This will allow for the installation of a four inch depth of topsoil along with the sodding material, leaving it slightly below finish grade and concrete areas.
- SHRUB AREAS:** Twelve (12) inches below finish grade. This will allow for the installation of an eight inch depth of topsoil along with a four inch depth of bark mulch or decorative stone, leaving it slightly below finish grade and concrete areas.
- SUB-GRADE COORDINATION:** The Landscape contractor shall meet early on in the construction process with the site grading contractor, in order to ensure that all sub-grades, prior to final topsoil placement, are provided. Any discrepancies or questions shall be discussed and resolved at that time. Landscape operations shall not begin until the specified sub-grade elevations have been provided.

Landscape Calculations

LOT AREA	65,095 SF.	1.49 Acres
LANDSCAPE AREA	16,260 SF.	25.9 %
BREAKDOWN:		
LAWN AREA	10,138 SF.	63 %
PLANTING AREA	6,122 SF.	37 %

Drought Plant Materials

<b>TREES:</b>	41 TOTAL	100 %
Required	21	50 %
Provided	28	69 %
<b>SHRUBS/OTHERS:</b>	325 TOTAL	100 %
Required	162	50 %
Provided	317	98 %

Legend

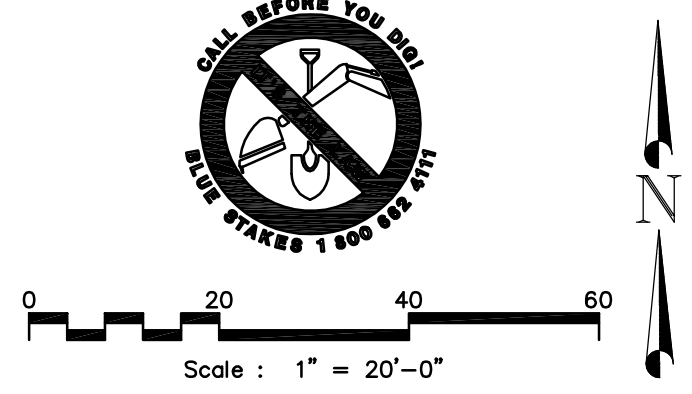
Symbol	Description	Remarks
[Symbol]	Landscape Boulder / 4' Min. Dia. Size / Individually Placed	Boulder Type And Color Shall Be From Brown's Canyon Source (Or Equal) Blonde-Tan Colored Quartzite, Block Edges (Not Rounded).
[Symbol]	4" x 6" Extruded Concrete Mowstrip / Natural Color	Install In Straight True Lines And Uniform Curves, 4" Between All Lawn And Shrub Areas. Compact Sub-grade To 90% Prior To Installation.
[Symbol]	New Lawn - Provide Drought Sodding Mixture	Install In Areas Shown To A Depth Of 4 Inches Over "Dewitt" Brand Weed Barrier Fabric. Submit Beige/Tan Sample Color For Approval.
[Symbol]	New Shrub - Stone Area / 1 1/2" Min. Size / Light Brown - Tan	Install In Areas Shown To A Depth Of 4 Inches Over "Dewitt" Brand Weed Barrier Fabric. Rock To Be A "Calico" Product Or Equal.
[Symbol]	New Shrub - Stone Area / 2" Min. Size / Medium Brown	Install In Areas Shown To A Depth Of 4 Inches Over "Dewitt" Brand Weed Barrier Fabric. Rock To Be A "Calico" Product Or Equal.
[Symbol]	New Landscape Planter / By Owner	Exact Size & Specification Item To Be Determined By Owner. Contractor To Coordinate Installation.
[Symbol]	New Landscape Bench / By Owner	Exact Size & Specification Item To Be Determined By Owner. Contractor To Coordinate Installation.
[Symbol]	New Concrete Stepping Pad / 18"x18" Exposed Aggregate	Install In Locations Shown With 6" Spacing Between Pads And From Adjacent Concrete Surfaces.

Submittal Requirements

- The contractor shall provide to the Owner/Engineer product samples of all landscape materials such as boulders, decorative stone, bark mulches, weed barrier fabric, soil amendments & import topsoil in order to obtain approval to be used on the project, and prior to shipment to the site. Failure to provide this in a timely manner will in no way affect or delay the construction schedule and time for project completion.

Landscape Architect

RDL Design Company, Inc.  
1020 East Yale Avenue  
Salt Lake City, Utah 84105  
Phone: 801-647-3114  
Email: raldesign@comcast.net



NO.	REVISIONS	BY	DATE

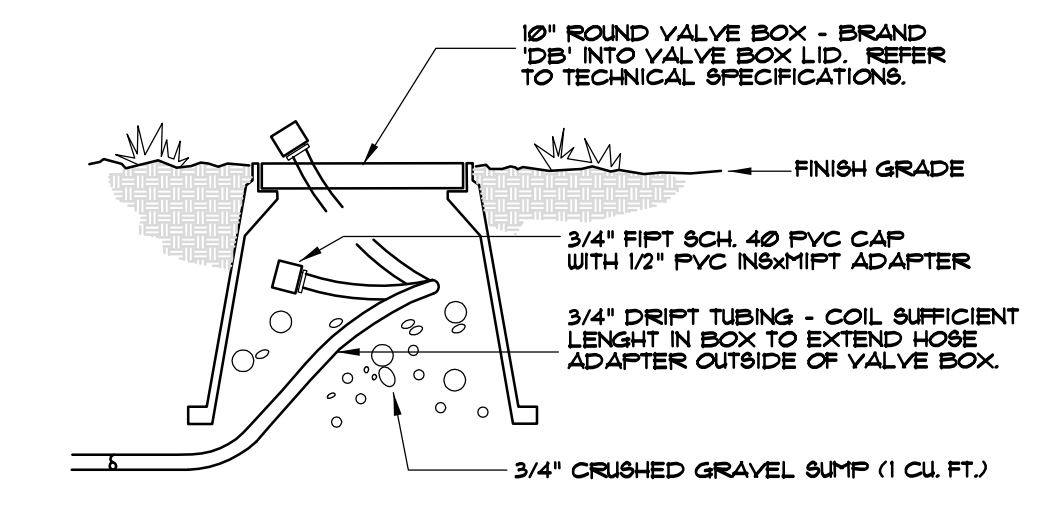
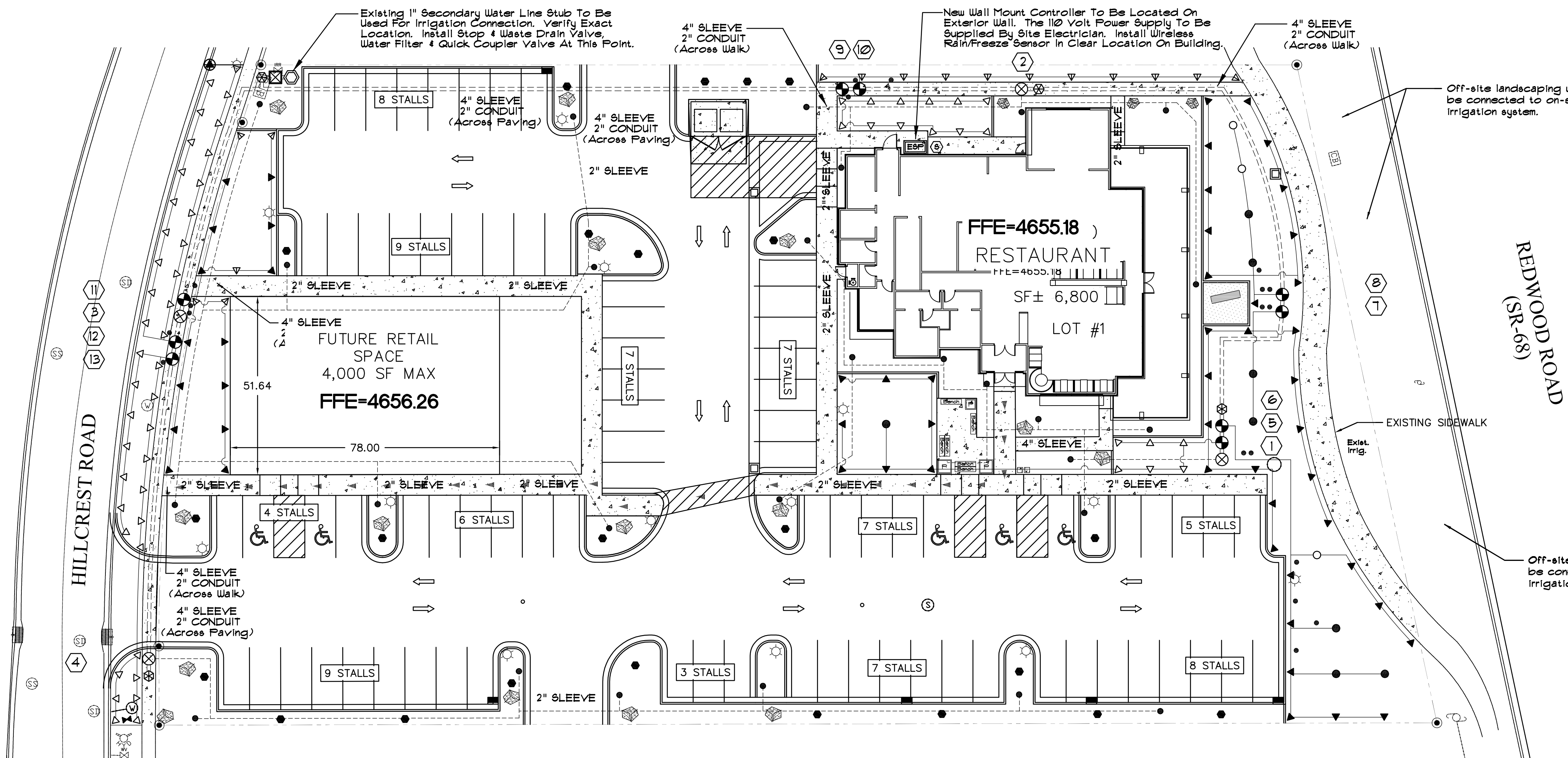
LEGEND ENGINEERING, LLC  
52 WEST 100 NORTH  
HEBER CITY, UT 84032  
PHONE: 435-654-4828  
TOLL FREE FAX: 1-866-310-9972  
www.legendengineering.com



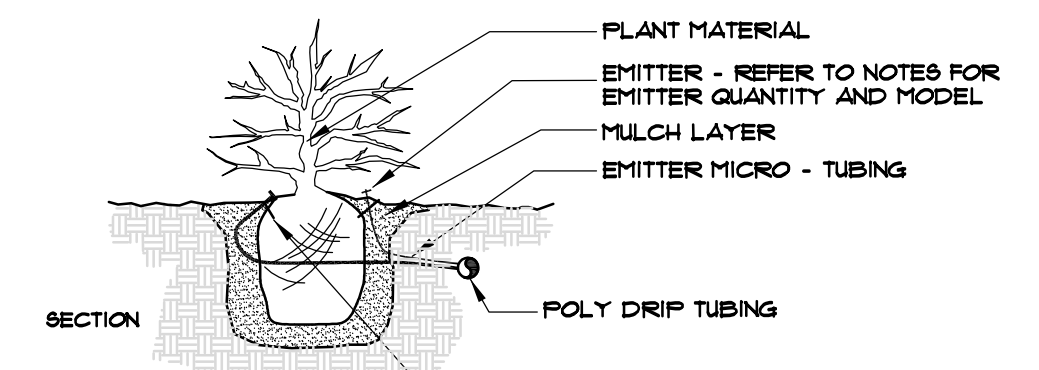
JENNY CHAN RESTAURANT  
LANDSCAPE PLAN  
2082 N. HILLCREST ROAD, SARATOGA SPRINGS, UT. 84045



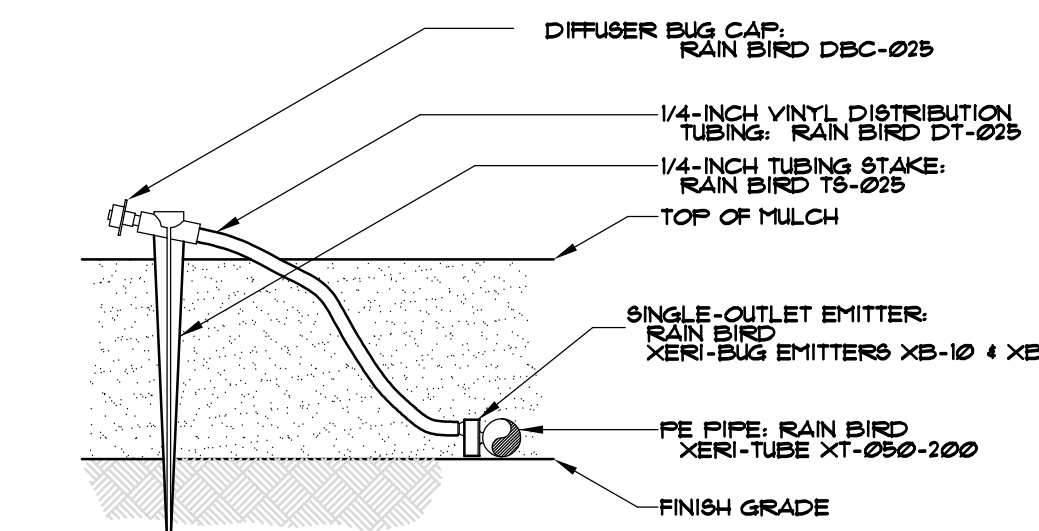
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FILE NAME: SCALE: 01/14/20 1"=16'



1 Compression Flush Cap  
L-2 N.T.S.



2 Drip Emitter  
L-2 N.T.S.



3 Emitter Into Xeri-Tube  
L-2 N.T.S.

### Sprinkler List

Symbol	Model-Number	Description	Remarks
●	Rainbird EMT-6	Multi-Outlet Emission Device	Amount & Type Of Emitters As Req'd
▽	Rainbird RD-04-NP	Pop-Up Sprayhead Sprinkler	#4E-VAN-10 Series Nozzle As Required
▽	Rainbird RD-04-NP	Pop-Up Sprayhead Sprinkler	#4E-VAN-12 Series Nozzle As Required
▽	Rainbird RD-04-NP	Pop-Up Sprayhead Sprinkler	#4E-VAN-15 Series Nozzle As Required
⊗	Rainbird 100-FESB-R	Remote Control Valve	1" Size In Valve Box With Gravel Sump
⊗	Rainbird XCZ-100-FRBR	Drip Control Zone Kit	1" Size In Valve Box With Gravel Sump
●	Rainbird 33DNP	Quick Coupler Valve	3/4" Size In Valve Box With Gravel Sump
●	Rainbird (Or Equal)	PVC To PE Pipe Connection	Install Throughout Various Planting Beds
ESP	Rainbird ESP-4ME	Exterior Cover Controller	Modular / 110 Volt Power By Others
⊗	Rainbird WR2	Rain/Freeze Wireless Sensor	Install In Clear Bldg. Exterior Location
⊗	Mueller Orisdeal Mark II	Stop & Waste Valve	1" Size / Install Inside Curb Box
⊗	AMIAD 2" T Series	Semi-Automatic Water Filter	Install Below Grade In Jumbo Sized Box
----	Schedule 40 PVC	Main Service Line	1 1/2" Size Throughout
----	Schedule 40 PVC	Lateral Circuit Line	Pipe Size As Required / 1" Min. Size

### Sprinkler Notes

- All main service lines and pipe sleeving shall be buried minimum 18 inches below finish grade, all lateral circuit lines minimum 12 inches below finish grade. Backfill all lines with sand or lump free soil. All clean material shall be settled and compacted to proper finish grade. All piping shall be capable of winterization by the use of compressed air / "blow out".
- All control valves and quick coupler valves shall be installed in fiberglass control boxes with bolt down lids. Washed gravel shall be installed in the box bottom to a depth of 8 inches.
- All sprayheads (if used) shall be installed using (2) 1/2" barbed ell, (1) 1/2" marlex ell, and 1/2" swing pipe cut to the appropriate length (12" min.-24" max.). Quick coupler valves shall be installed using the appropriate sized swing joint assembly including 3 marlex ell, and (1) 1/2 inch schedule 80 pvc riser.
- The design and layout of all sprayheads shall provide for a minimum 60% DU (distribution uniformity).
- All sprayheads adjacent to hardscape paving shall be spaced 1 to 3 inches away from paving.
- Control valve wires shall be #4 single conductor white for the common wire, and #4 single conductor for the hot wire. Use red for the hot wire on all lawn control valve zones, green for "drip" zones and blue (2) as spares along the entire main service line. Spare wires shall be "home run" to the controller. All wiring shall be UF UL rated. All connections shall be made with water tight connectors, and contained in control valve boxes. Provide 36" extra wire length at each remote control valve in valve box. Install control wiring with service line where possible, taped to the underside of the pipe at regular intervals. Provide slack in control wires at all changes in direction.
- Contractor shall locate the irrigation controller per the Owner's direction. The 2" conduit from the controller to the nearest landscape area shall be installed by either irrigation or building electrical contractor.
- Install 3/4" manual drain valves at all low points along the main service line. Use a 2 inch schedule 40 pvc sleeve over the valve with a valve marker cap. Install a two cubic foot gravel sump at the valve bottom.
- All sprinkler lines passing under paved and other hard surfaces shall be installed in schedule 40 pvc sleeving a minimum of two sizes larger than the pipe size to pass through it. The sleeve depth shall be the same as the deepest pipe to pass through.
- Upon completion of the installation, provide the Owner with a complete set of "As-Built" drawings showing any and all deviations from the original plans. It shall also show the locations of main service lines, control valves, wire routes, and manual drain valves.
- It shall be the responsibility of the sprinkler contractor to demonstrate to the Owner the proper winterization and start-up procedures for the entire system prior to final payment.
- The contractor shall comply with all state and local plumbing codes, and shall honor all warranties and guarantees set forth by the Owner.

### Sleeving Installation Notes

Contractor shall coordinate the installation of sleeving with the installation of concrete flatwork and paving. All sleeving is by contractor unless otherwise noted. Install sleeving based upon the sizing guide below:

PIPE SIZE / WIRE QUAN.	REQUIRED SLEEVE
1/2" - 1 1/4" Piping	1-2" PVC Sleeve
1 1/2" - 2" Piping	1-4" PVC Sleeve
1-25 Control Wires	1-2" PVC Sleeve

### Pipe GPM Design Guide

Pipe Size	Water Flow (GPM)
1" Size / NA	0 - 12 GPM
1 1/4" Size / ●	12 - 22 GPM
1 1/2" Size / ●●	22 - 30 GPM

NOTE: Contractor shall perform all pipe sizing using the above design guidelines. 1" minimum size piping to be used with schedule 40 pvc.

### Emitter Installation Guide

PLANT SIZE	EMITTER DEVICE	QUANTITY
1 Gallon Shrub Plant Material	XB-10FC (1 Gal/Hr.)	Two Each
5 Gallon Shrub Plant Material	XB-20FC (2 Gal/Hr.)	Two Each
7 Gallon Shrub Plant Material	XB-20FC (2 Gal/Hr.)	Three Each

Final selection of emitter type and quantity to be the responsibility of the irrigation contractor, in order to provide the optimum amount of precipitation to each plant, in addition to complying with project warranties.

### General Notes

- The contractor shall verify the exact location of all existing and proposed utilities, and all site conditions prior to beginning construction. The contractor shall coordinate their work with the project manager and all other contractors working on the site.
- The contractor shall verify the exact location and size of the irrigation waterline stub, and the available water pressure at the point of connection. Any conflicts from what is shown on the plans shall be brought to the attention of the engineer for a resolution.
- The contractor shall be responsible for the installation of all irrigation sleevings under paving and other hard surface areas, whether shown on the plan or required otherwise. This shall also include the installation of electrical conduit(s) from the controller location to the nearest planting area.
- The controller shall be hardwired to the available 110 volt power source, with all work being performed per state and local codes. The controller shall be located in a convenient location as determined by the Owner and site/building contractor.
- The contractor shall provide all materials, labor and equipment required for the proper completion of all irrigation work as specified and shown on the drawings.

### Submittal Requirements

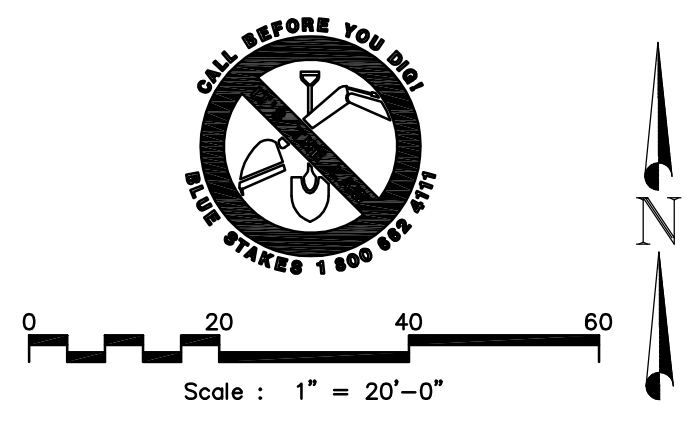
- The contractor shall provide to the Owner/Engineer product data sheets of all irrigation materials such as control valves, control wire, quick coupler valves, control valve boxes, controller(s), pvc piping, drip tube piping, drip emitters & backflow prevention devices in order to obtain approval to be used on the project, and prior to any shipment to the site. Failure to provide this in a timely manner will in no way affect or delay the construction schedule and time for project completion.
- All irrigation materials shall be located for the project a minimum of 60 days prior to shipment to the site. The contractor shall provide to the Owner/Engineer written confirmation of this a minimum of 30 days prior to beginning work on the project. No substitutions will be considered following this time period.

### Irrigation Controller Valve Schedule

#	VALVE DATA			HYDRAULIC DATA			
	Size	Sta. #	Head Type	Landscape Zone	Frec. Rate-Inch/yr	GPM	PSI
1	1.0"	1	Drip	Plantings-Sun	NA	5.0	30
2	1.0"	2	Drip	Plantings-Sun	NA	5.0	30
3	1.0"	3	Drip	Plantings-Sun	NA	5.0	30
4	1.0"	4	Drip	Plantings-Sun	NA	5.0	30
5	1.0"	5	Spray	Lawn-Sun	1.58	25.0	30
6	1.0"	6	Spray	Lawn-Sun	1.58	30.0	30
7	1.0"	7	Spray	Lawn-Sun	1.58	30.0	30
8	1.0"	8	Spray	Lawn-Sun	1.58	30.0	30
9	1.0"	9	Spray	Lawn-Sun	1.58	15.0	30
10	1.0"	10	Spray	Lawn-Sun	1.58	15.0	30
11	1.0"	11	Spray	Lawn-Sun	1.58	30.0	30
12	1.0"	12	Spray	Lawn-Sun	1.58	15.0	30
13	1.0"	13	Spray	Lawn-Sun	1.58	15.0	30

### Landscape Architect

RDL Design Company, Inc.  
1020 East Yale Avenue  
Salt Lake City, Utah 84105  
Phone: 801-641-3114  
Email: raldesign@comcast.net



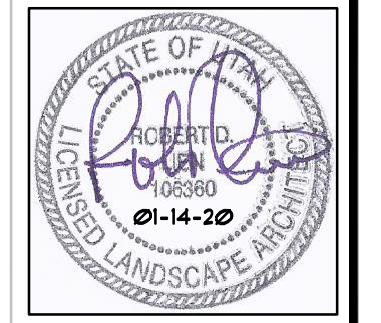
NO.	REVISIONS	DATE	BY

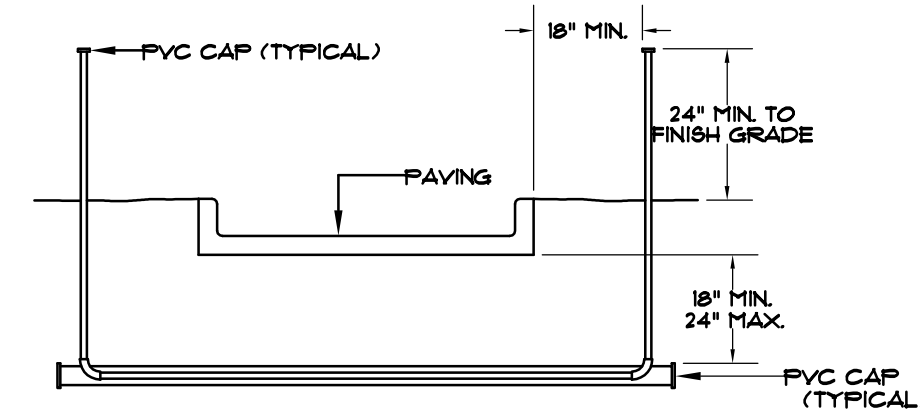
PROJECT ENGINEER: LB  
DESIGNER: LB

LEGEND ENGINEERING, LLC  
52 WEST 100 NORTH  
HEBER CITY, UT 84032  
PHONE: 435-654-4828  
TOLL-FREE FAX: 1-866-310-9972  
www.legendengineering.com



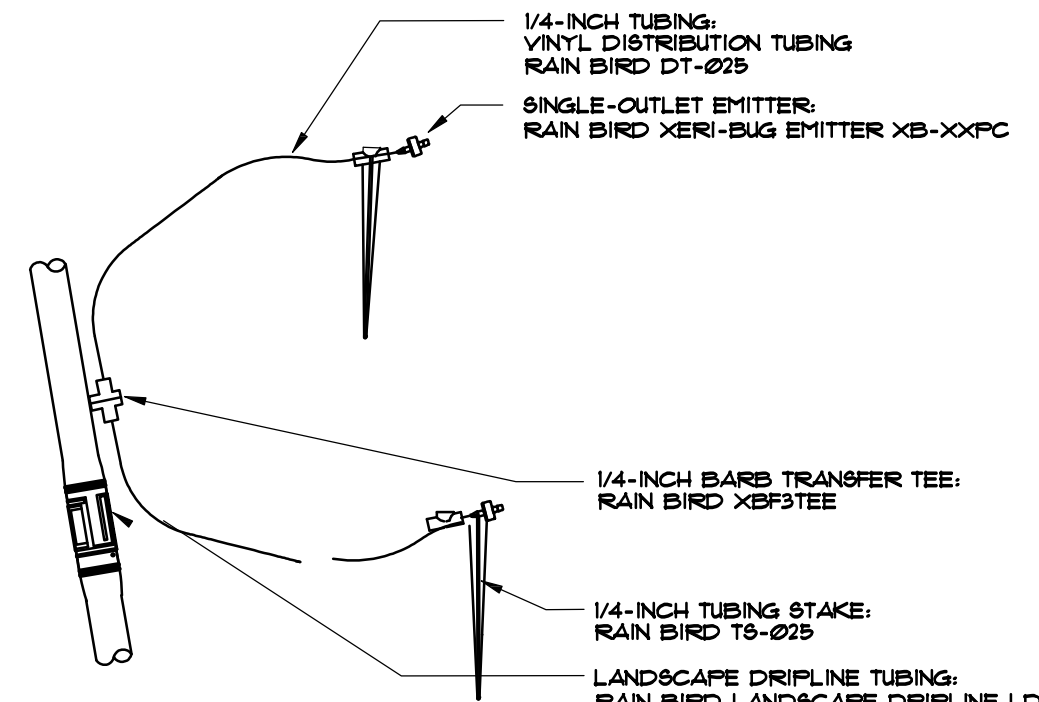
JENNY CHAN RESTAURANT  
IRRIGATION PLAN  
2082 N. HILLCREST ROAD, SARATOGA SPRINGS, UT. 84045



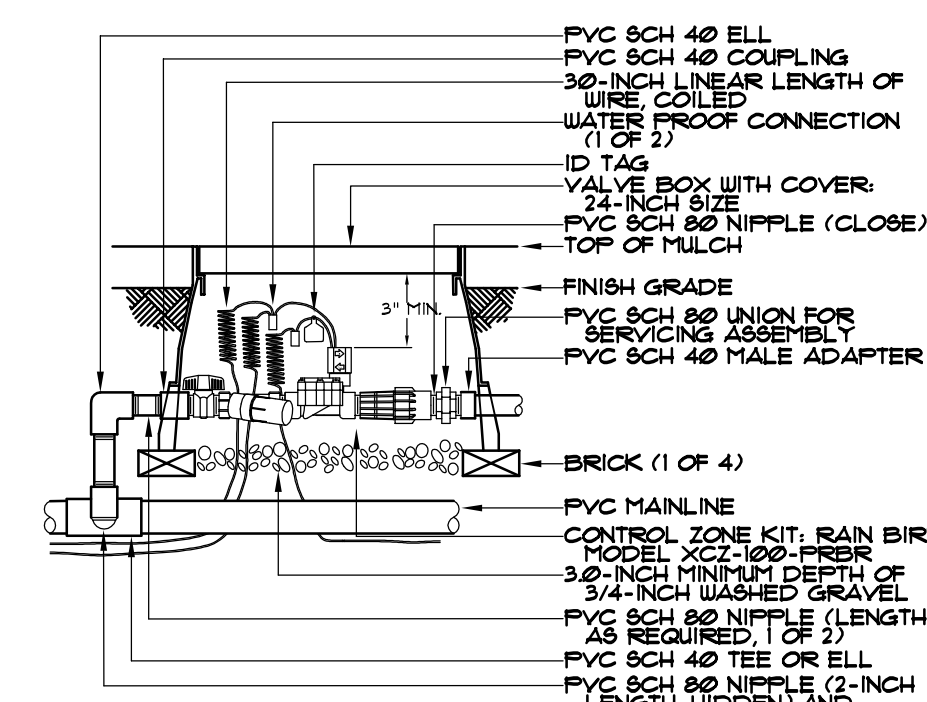


- NOTES:  
 1. ALL PVC IRRIGATION SLEEVES TO BE SCHEDULE 40 PVC PIPE.  
 2. ALL JOINTS TO BE SOLVENT WELDED AND WATERTIGHT.  
 3. WHERE THERE IS MORE THAN ONE SLEEVE, EXTEND THE SMALLER SLEEVE TO 24-INCHES MINIMUM ABOVE FINISH GRADE.  
 4. MECHANICALLY TAMP TO 95% PROCTOR.

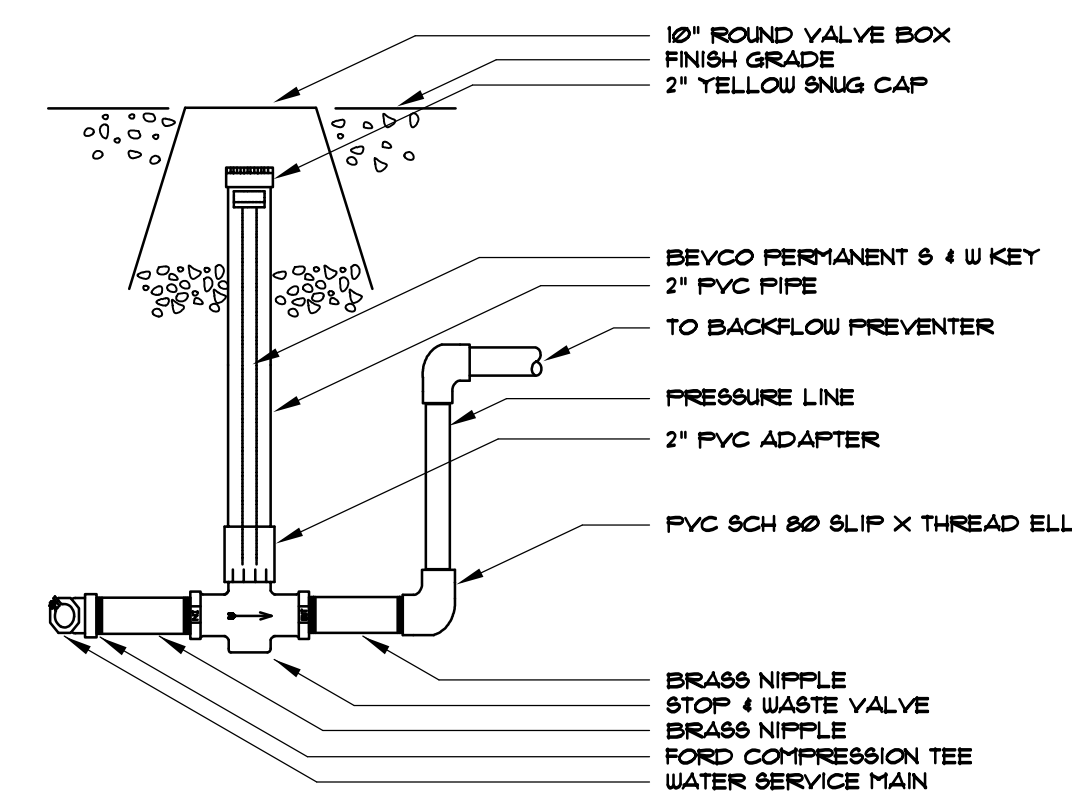
1 Sleeving  
 L-3 N.T.S.



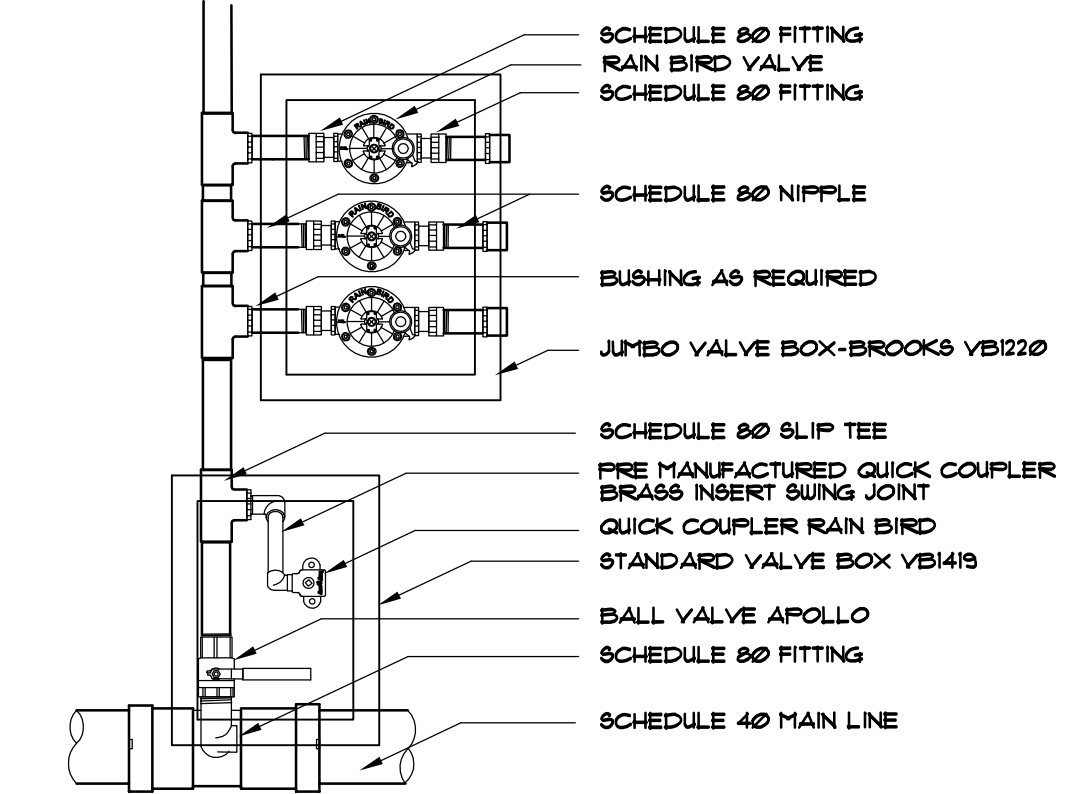
2 Dripline - Additional Emitters  
 L-3 N.T.S.



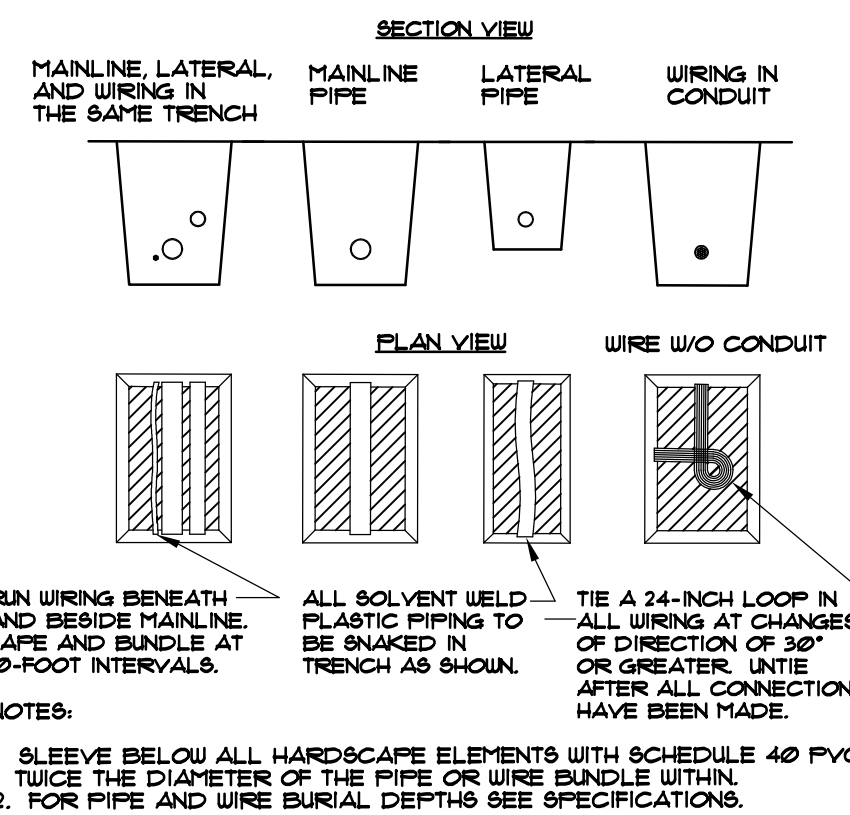
3 Xerigation Control Zone Kit  
 L-3 N.T.S.



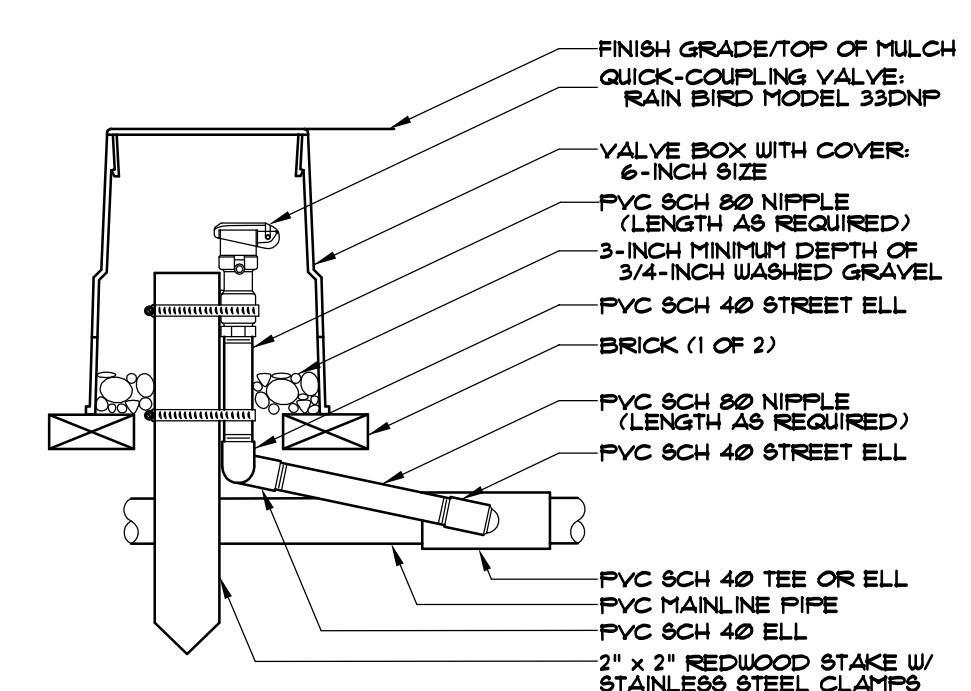
4 Stop & Waste Valve  
 L-3 N.T.S.



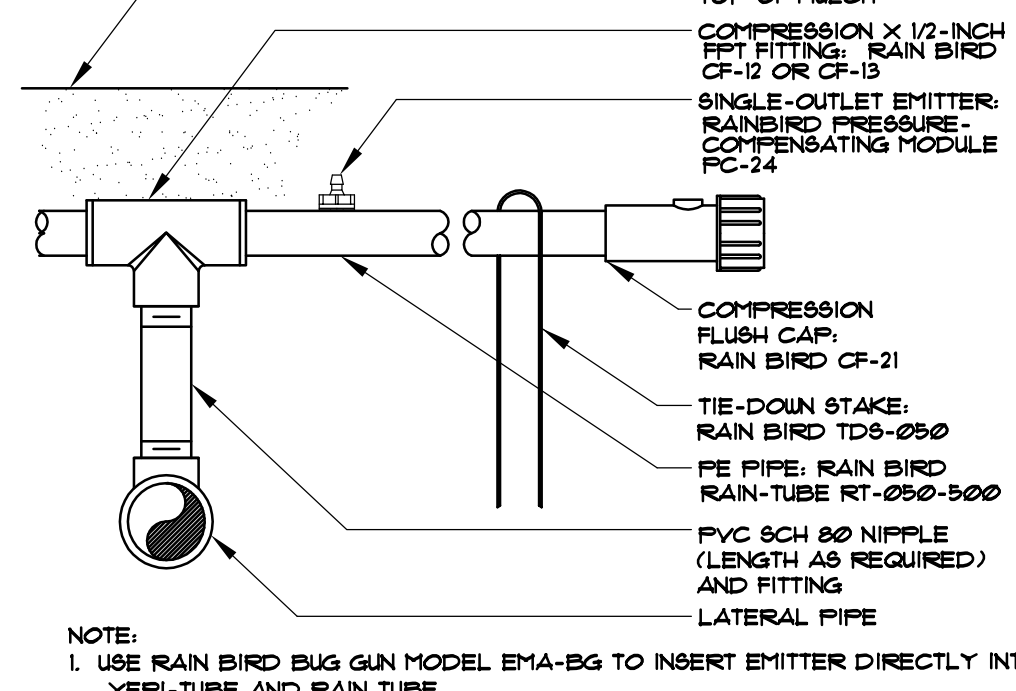
5 Valve Manifold  
 L-3 N.T.S.



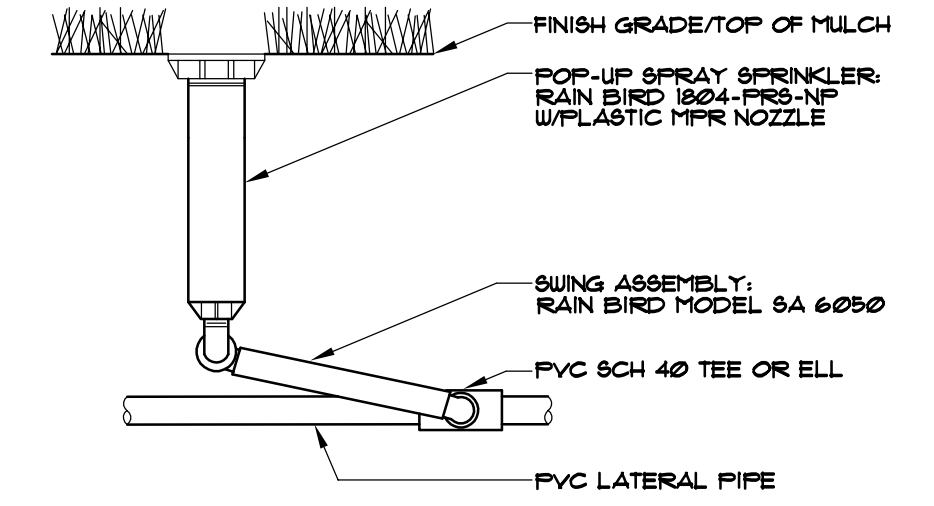
6 Pipe & Wire Trenching  
 L-3 N.T.S.



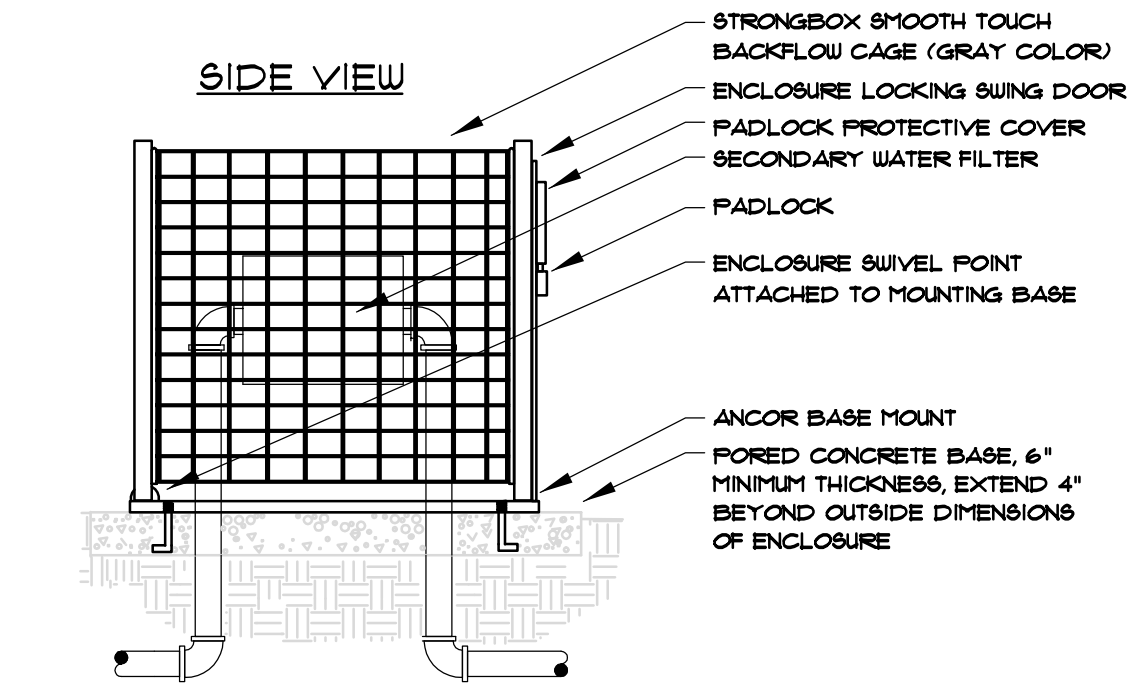
7 Quick Coupling Valve  
 L-3 N.T.S.



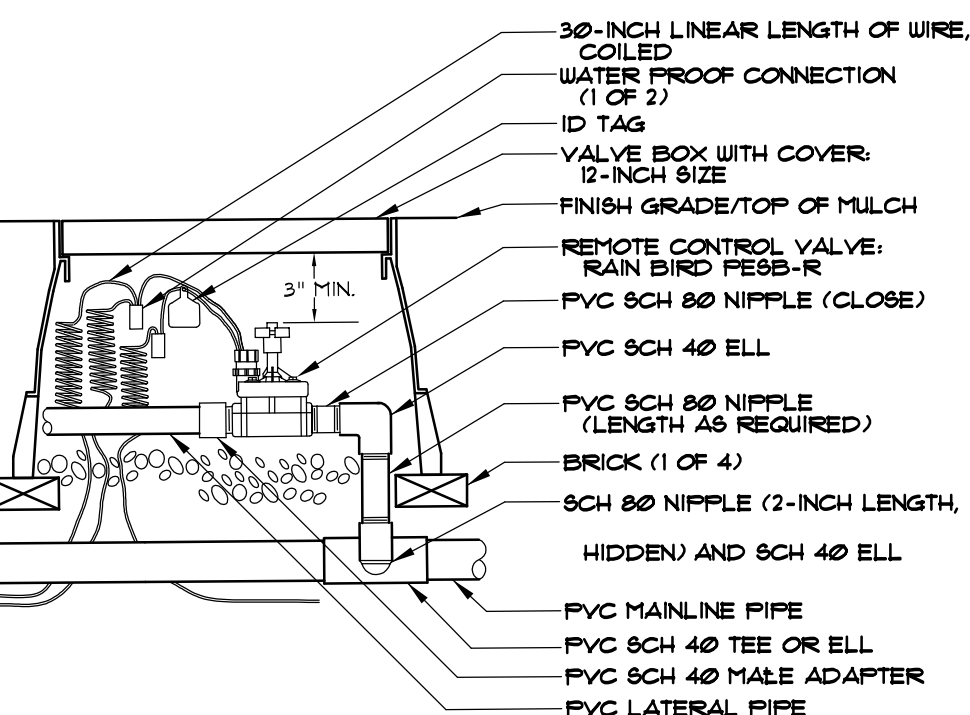
8 PVC To PE Pipe Connection  
 L-3 N.T.S.



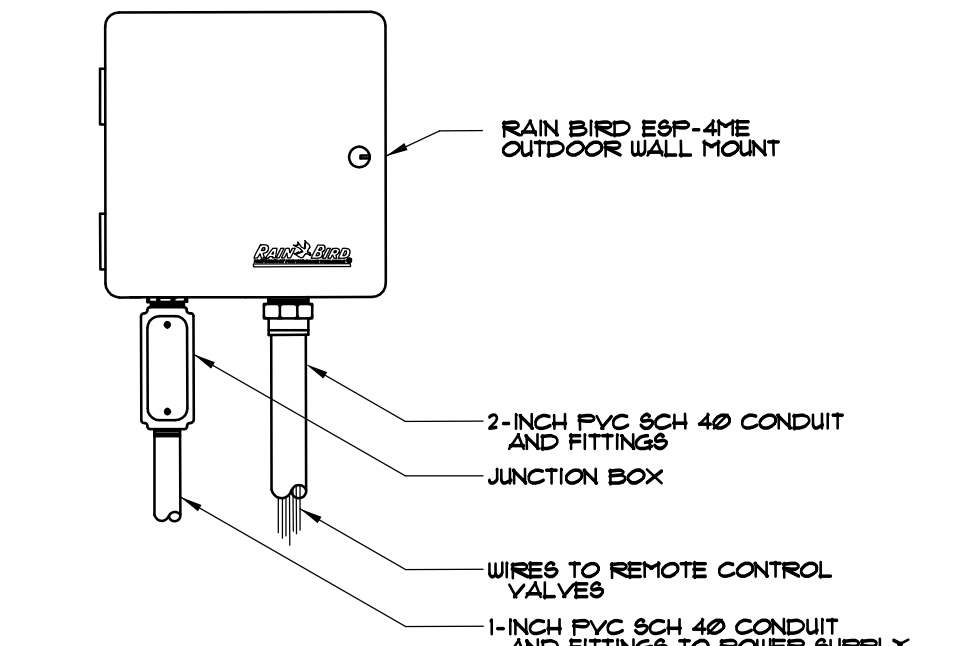
9 Pop-Up Spray Sprinkler  
 L-3 N.T.S.



10 Connection Enclosure  
 L-3 N.T.S.



11 Remote Control Valve  
 L-3 N.T.S.



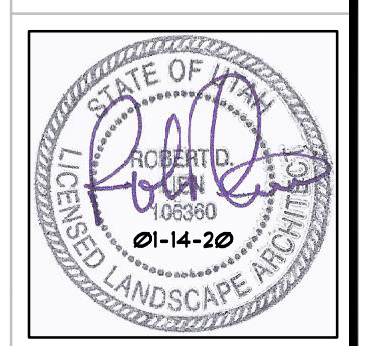
12 Wall Mount Controller  
 L-3 N.T.S.

NO.	REVISIONS	BY	DATE

LEGEND ENGINEERING, LLC  
 52 WEST 100 NORTH  
 HEBER CITY, UT 84032  
 PHONE: 435-654-4828  
 TOLL FREE FAX: 1-866-310-9972  
 www.legendengineering.com



JENNY CHAN RESTAURANT  
 IRRIGATION DETAILS  
 2082 N. HILLCREST ROAD, SARATOGA SPRINGS, UT. 84045



GENERAL NOTES:

- 1. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED BUILDING PERMITS, SCHEDULING INSPECTIONS AND PROVIDING MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND APPLICABLE REGULATIONS ENFORCED BY LOCAL AND STATE AGENCIES.

CODE INFORMATION

Table with 3 columns: Code Number, Description, and Reference. Includes codes for occupancy (A-2 RESTAURANT), construction type (TYPE 5B), and accessibility requirements.

GENERAL BUILDING NOTES

Table with 2 columns: Description and Value. Includes Building Description (1 LEVEL WOOD FRAME BUILDING - SLAB ON GRADE) and Square Footage (LEVEL 1 BUILDING = 6,840 SQ. FT., PATIO DINING = 1,286 SQ. FT., TOTAL BUILDING = 8,126 SQ. FT.).

SYMBOLS

Symbol key defining various architectural symbols: CENTER LINE DESIGNATION, BREAK LINE DESIGNATION, GRID LINE, HIDDEN LINE, FOOTING LINE, BUILDING SECTION, WALL SECTION, DETAIL SECTION, DETAIL REFERENCE, DOOR DESIGNATION, CONST / DEMO NOTE DESIGNATION, WALL TYPE DESIGNATION, OFFICE 101, ROOM NAME AND NUMBER, INTERIOR ELEVATION KEY, WOOD, WOOD BLOCKING, PLYWOOD, GYPSUM BOARD, INSULATION, WALL IN PLAN, CONCRETE, CONCRETE BLOCK, BRICK, RIGID INSULATION, WINDOW, EARTH, GRANULAR FILL.

ABBREVIATIONS

Table of abbreviations for architectural elements: AB ANCHOR BOLT, A/C AIR CONDITIONING, AC ACOUSTICAL, ACT ACOUSTIC CEILING TILE, ADD ADDENDUM, etc.

OCCUPANCY CALCS.

Occupancy calculation table for LEVEL 1 (A-2 RESTAURANT). Includes calculations for accessory storage, dining fixed seats, and kitchen, resulting in 215 OCCUPANTS.

MIN. PLUMBING REQTS.

Table of minimum plumbing requirements for ASSEMBLY - RESTAURANTS. Lists requirements for water closets, lavatories, and drinking fountains.

DEFERRED SUBMITTALS

- 1. FIRE ALARM PLAN SUBMITTAL
2. ROOF TRUSS SUBMITTAL
3. ROOF COVERING INSTALLATION DETAILS
4. FIRE SPRINKLERS
5. ALL OTHER NON-STRUCTURAL ELEMENTS NOT SPECIFICALLY LISTED BUT DEEMED NECESSARY BY THE BUILDING OFFICIAL.

SPECIAL INSPECTIONS REQ.

SEE SHEETS S0.0 & S0.1 FOR TRUSS LOADS @ SPECIAL INSPECTIONS. SPECIAL INSPECTION IS REQUIRED FOR EIFS (IF APPLICABLE) PER IBC.

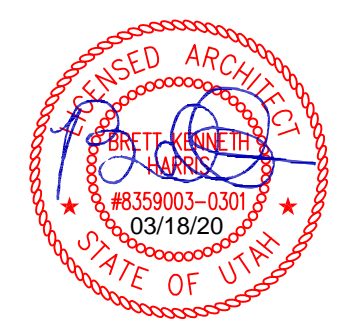
SUBMITTAL REVIEW PROCESS

PER IBC SECTION 107.3.4 HARRIS ARCHITECTURE, THE REGISTERED DESIGN PROFESSIONAL IN CHARGE SHALL BE RESPONSIBLE FOR REVIEWING AND COORDINATING SUBMITTAL DOCUMENTS PREPARED BY OTHERS, INCLUDING PHASED AND DEFERRED SUBMITTAL ITEMS, FOR COMPATIBILITY WITH THE DESIGN OF THE BUILDING.

DRAWN BY Author

HARRIS ARCHITECTURE
920 E. 800 N., OREM UT 84097 | 801-377-6003 | WWW.HARRISARCHITECTURE.COM

BLOSSOM RESTAURANT
PROJECT INFORMATION



THESE DRAWINGS OR ANY PARTS THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.

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6'-0"

8'-0"

A NEW BUILDING FOR

# BLOSSOM RESTAURANT

SARATOGA SPRINGS UTAH

5'-0"

2'-0"

**RENDERING - SUPPLIED  
ON CD BY ARCHITECT**

**ARCHITECT**



**HARRIS**  
ARCHITECTURE  
WWW.HARRIS-ARCHITECTURE.COM 801-377-6303

**OWNER**

**JENNY CHAN  
SARATOGA SPRINGS, UTAH**

**GENERAL  
CONTRACTOR**

**T.B.D.**

**STRUCTURAL  
ENGINEER**

**LEI  
SPANISH FORK, UTAH**

**MECH/LUMB/ELEC  
ENGINEER**

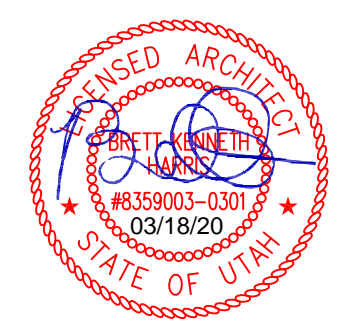
**EPIC ENGINEERING  
HEBER CITY, UTAH**

**CIVIL  
ENGINEER**

**CIVIL SOLUTIONS  
PROVO, UTAH**

NOTE: VERIFY ALL INFO WITH OWNER PRIOR TO FABRICATION OF SIGN

NOTE: VERIFY LOCATION AND DESIGN WITH CITY OF OREM SIGN ORDINANCES



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Author

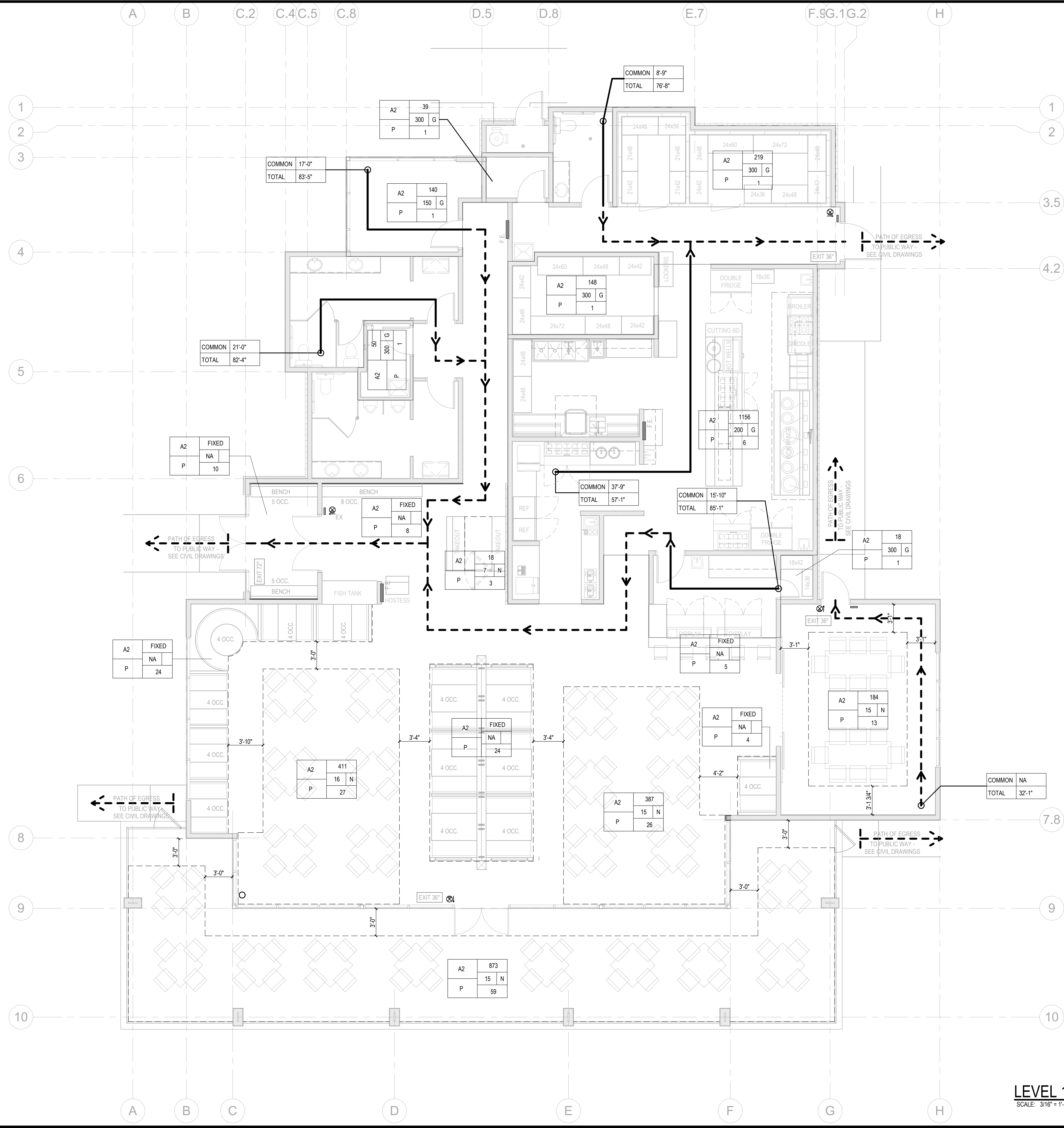


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**BLOSSOM RESTAURANT**  
PROJECT IDENTIFICATION SIGN

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EGRESS LEGEND	
SYMBOL	DESCRIPTION
	COMMON PATH OF EGRESS TRAVEL DISTANCE
	EXIT ACCESS TRAVEL DISTANCE
	EXIT SIGN- CEILING OR WALL MOUNTED
	FIRE EXTINGUISHER (VERIFY EXACT LOCATION WITH LOCAL FIRE MARSHAL)
	TACTILE EXIT SIGN AS PER ICC 117.1

OCCUPANCY CALCS.	
LEVEL 1	
(A-2 RESTAURANT)	
ACCESSORY STORAGE	= 5 OCCUPANTS
DINING FIXED SEATS	= 57 OCCUPANTS
DINING W/O FIXED SEATS (UNCONCENTRATED)	= 125 OCCUPANTS
ASSEMBLY W/O FIXED SEATING (STANDING)	= 21 OCCUPANTS
BUSINESS AREA	= 1 OCCUPANTS
KITCHEN	= 6 OCCUPANTS
<b>TOTAL LEVEL 1</b>	<b>215 OCCUPANTS</b>
<b>TOTAL LEVEL BUILDING</b>	<b>215 OCCUPANTS</b>

**SHEET SPECIFIC NOTES**

NOTE: PROVIDE 10# ABC FIRE EXTINGUISHERS (PER NFPA 10) EVERY 3,000 SQ. FT. MIN WITH A MAX. TRAVEL DISTANCE OF 75' TO AN EXTINGUISHER - TYPICAL - VERIFY EXACT LOCATIONS WITH THE CITY OF SARATOGA SPRINGS FIRE MARSHAL. (ALL CABINETS WITHIN RATED WALLS TO BE FIRE RATED AS PER THE SPECIFICATIONS).

**FIRE EXTINGUISHER CABINETS**  
HANDLE TO BE CENTERED OR BOTTOM.

NFPA GUIDELINES STATE THAT THE DISTANCE FROM FLOOR TO TOP OF EXTINGUISHER TO BE NO MORE THAN 5 FEET.

COMMON	X'-X"	COMMON PATH OF TRAVEL DISTANCE
TOTAL	X'-X"	TOTAL TRAVEL DISTANCE

OCCUPANCY CLASSIFICATION OF INDICATED AREA

S.F. OF INDICATED AREA

N= NET S.F. PER OCCUPANT G= GROSS S.F. PER OCCUPANT

FLOOR AREA ALLOWANCE PER OCCUPANT OF INDICATED AREA

PH PRIMARY OCCUPANCY S= SECONDARY OCCUPANCY A= ACCESSORY OCCUPANCY I= INCIDENTAL OCCUPANCY

CALCULATED OCCUPANT LOAD OF INDICATED AREA

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#	Date	Description

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Author

**HARRIS ARCHITECTURE**  
920 E. 800 N., OREM UT 84057 | 801-377-6003 | WWW.HARRIS-ARCHITECTURE.COM

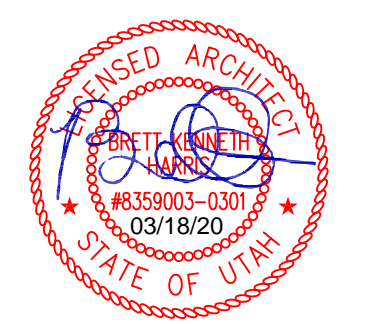
**BLOSSOM RESTAURANT**  
EGRESS / OCCUPANCY PLAN

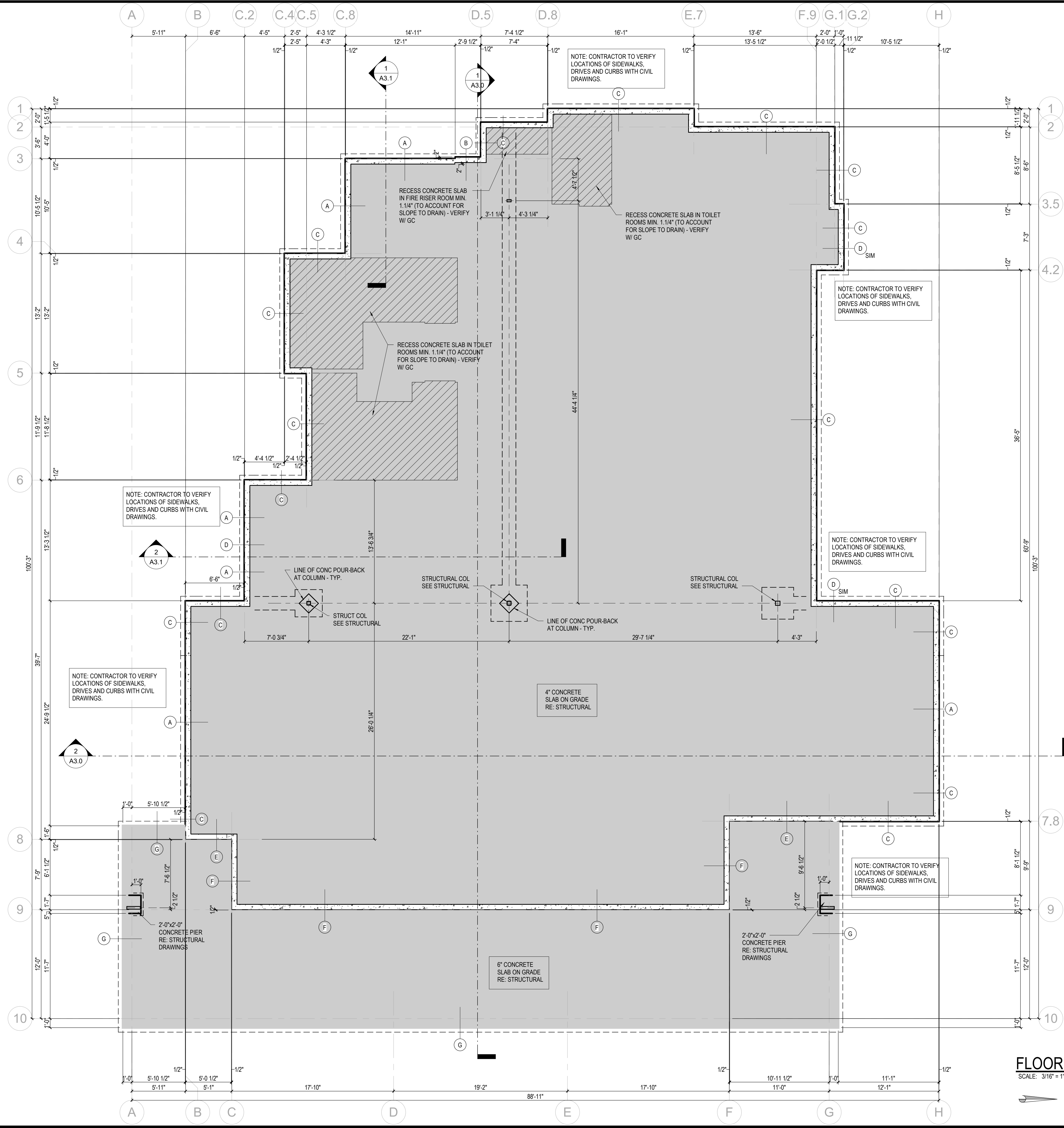
03/18/2020

**A0.3**

**LEVEL 1 EGRESS / OCCUPANCY PLAN**  
SCALE: 3/16" = 1'-0"

**BUILDING PERMIT SET 03/18/2020**

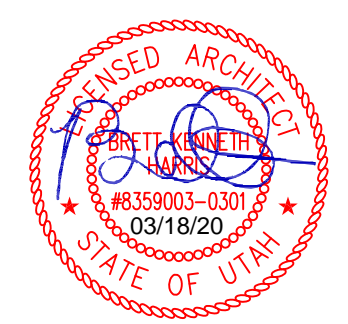
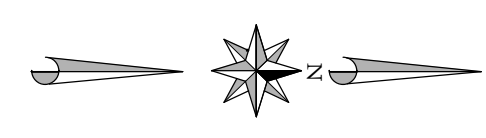




- FLOOR SLAB / FOUNDATION NOTES:**
1. SEE SITE PLAN FOR ALL SLABS OUTSIDE THE BUILDING FOOTPRINT.
  2. SEE FIRST LEVEL FLOOR PLAN FOR REMAINING EXTERIOR AND INTERIOR DIMENSIONS OF THE BUILDING.
  3. NOTE THAT THE DIMENSIONS SHOWN AT THE WINDOW OPENING CUT-OUTS ARE NOMINAL ONLY DUE TO DIFFERENCES IN ROUGH-OPENING SIZES BETWEEN WINDOW MFGRS. REFER TO SPECIFIC WINDOW MFGR USED ON PROJECT FOR ACTUAL WIDTH OF CUT OUT. TYPICAL.
  4. SEE STRUCTURAL DWGS. FOR LOCATIONS OF CONTROL JOINTS AND CONSTRUCTION JOINTS (UNLESS OTHERWISE NOTED OR SHOWN ON THIS SHEET)
  5. SEE STRUCTURAL DWGS. FOR CALL-OUTS AND MINIMUM SIZES ON FOUNDATION WALL SIZES WITH STRUCTURAL DRAWINGS.
  6. SEE STRUCTURAL DRAWINGS FOR SLAB REQUIREMENTS, FOOTING SIZES, REINFORCING AND FOUNDATION NOTES. (FOOTINGS NOT SHOWN HERE - REFER TO STRUCTURAL FOOTING & FOUNDATION PLAN AND FOOTING SCHEDULE(S)).
  7. AS SHOWN ON THE STRUCTURAL ENGINEER'S DRAWINGS, WHERE WINDOW SILL IS AT FLOOR LEVEL (ELEV 100'-0"), THE GENERAL CONTRACTOR HAS THE OPTION TO EITHER CUT-OUT (DROP) FOUNDATION WALL AT THESE WINDOW LOCATIONS ONLY OR DROP ENTIRE FOUNDATION WALL SUCH THAT ENTIRE SLAB RUNS OVER TOP (SEE I/O AND STRUCTURAL DETAIL SHEETS). THIS SLAB PLAN SHOWS THE FOUNDATION WALL CUTOUT / DROPPED ONLY AT THE ELEV 100'-0" WINDOW LOCATIONS.

GRAY HATCH DENOTES SLAB (TYP.)

**FLOOR SLAB PLAN**  
SCALE: 3/16" = 1'-0"

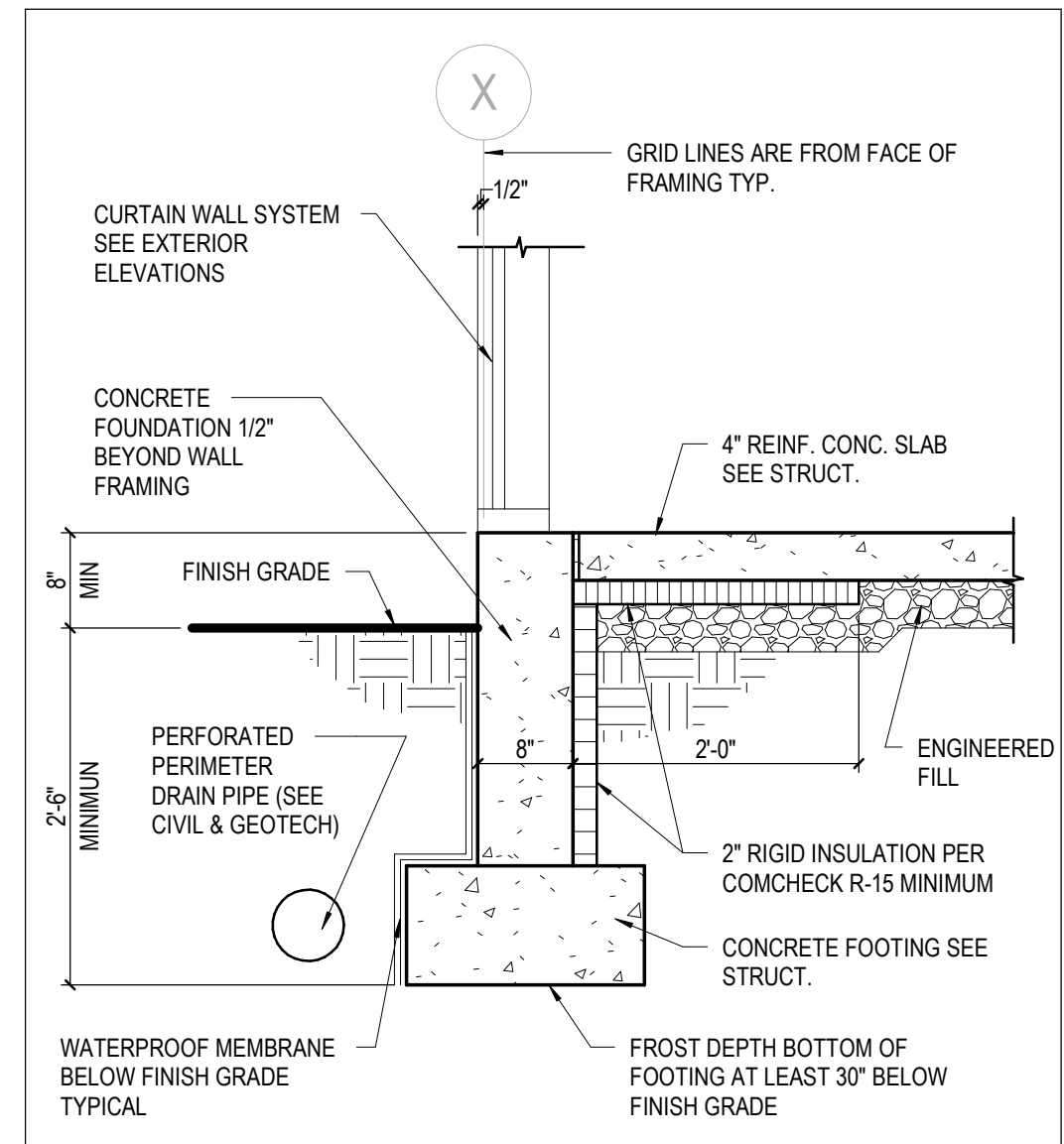


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#	Date Description
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<b>HARRIS ARCHITECTURE</b>	
920 E 800 N, OREM UT 84097   801-377-6003   WWW.HARRIS-ARCHITECTURE.COM	
<b>BLOSSOM RESTAURANT</b>	
FLOOR SLAB PLAN	
03/18/2020	
<b>A1.0</b>	

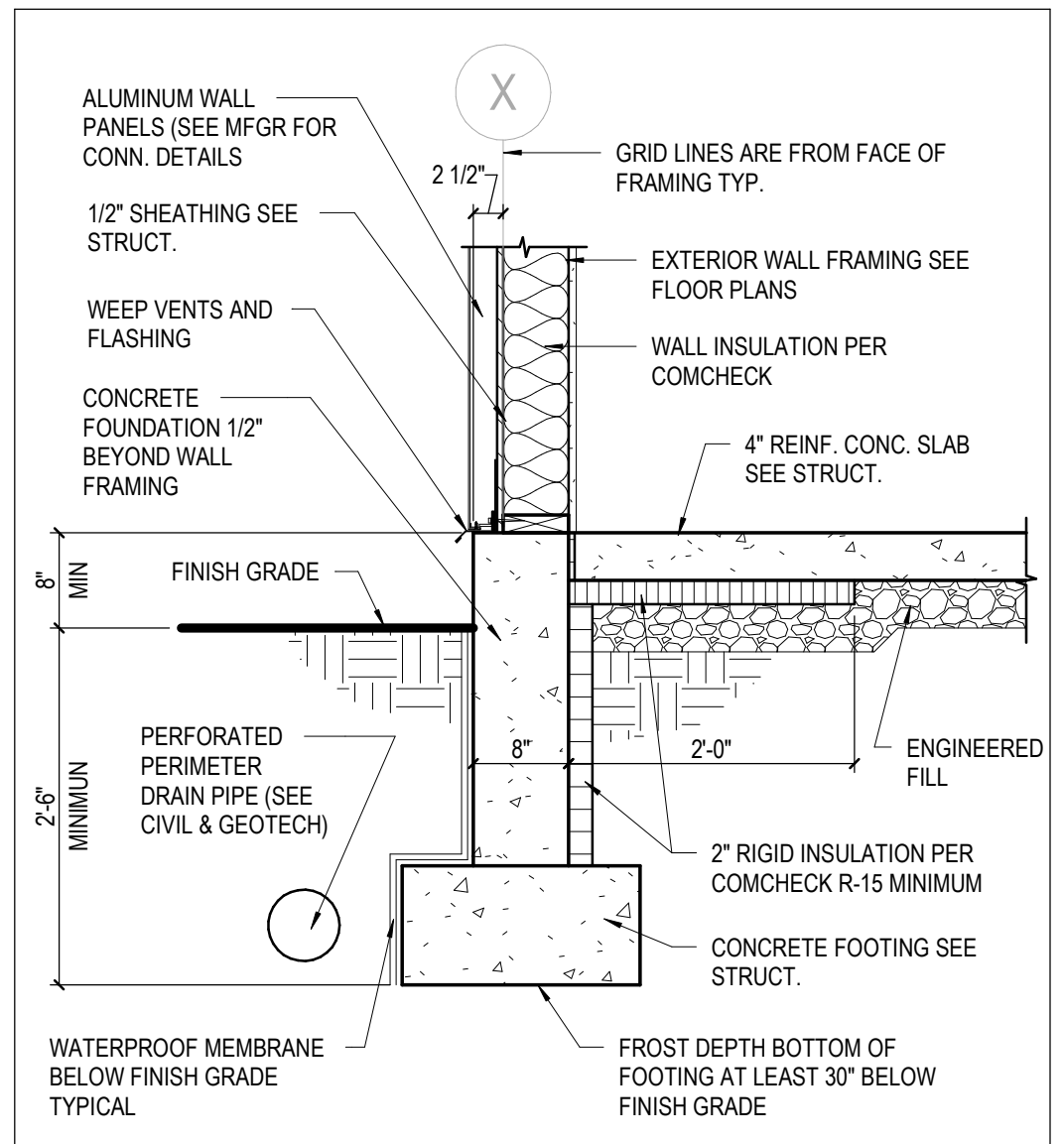
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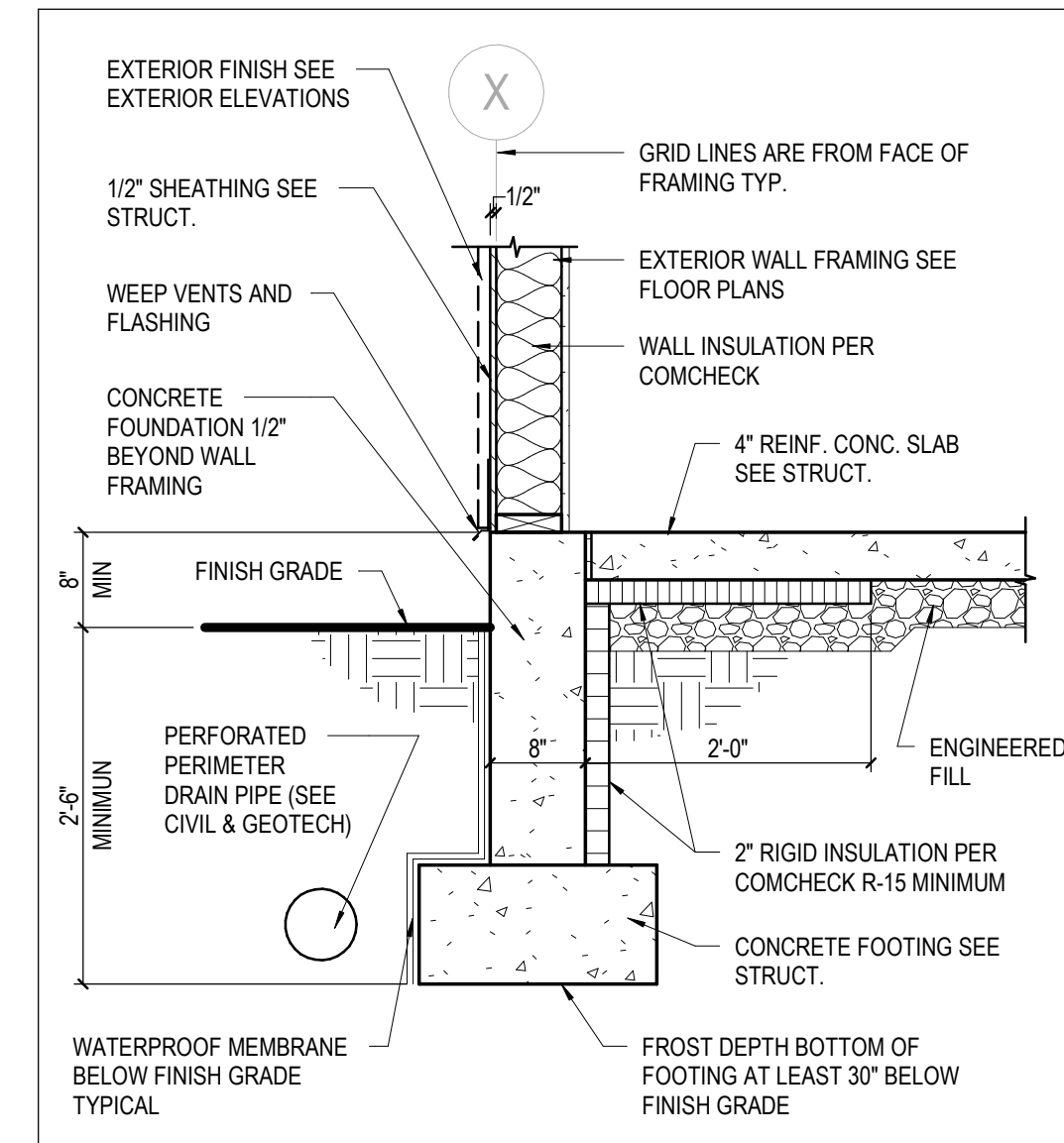
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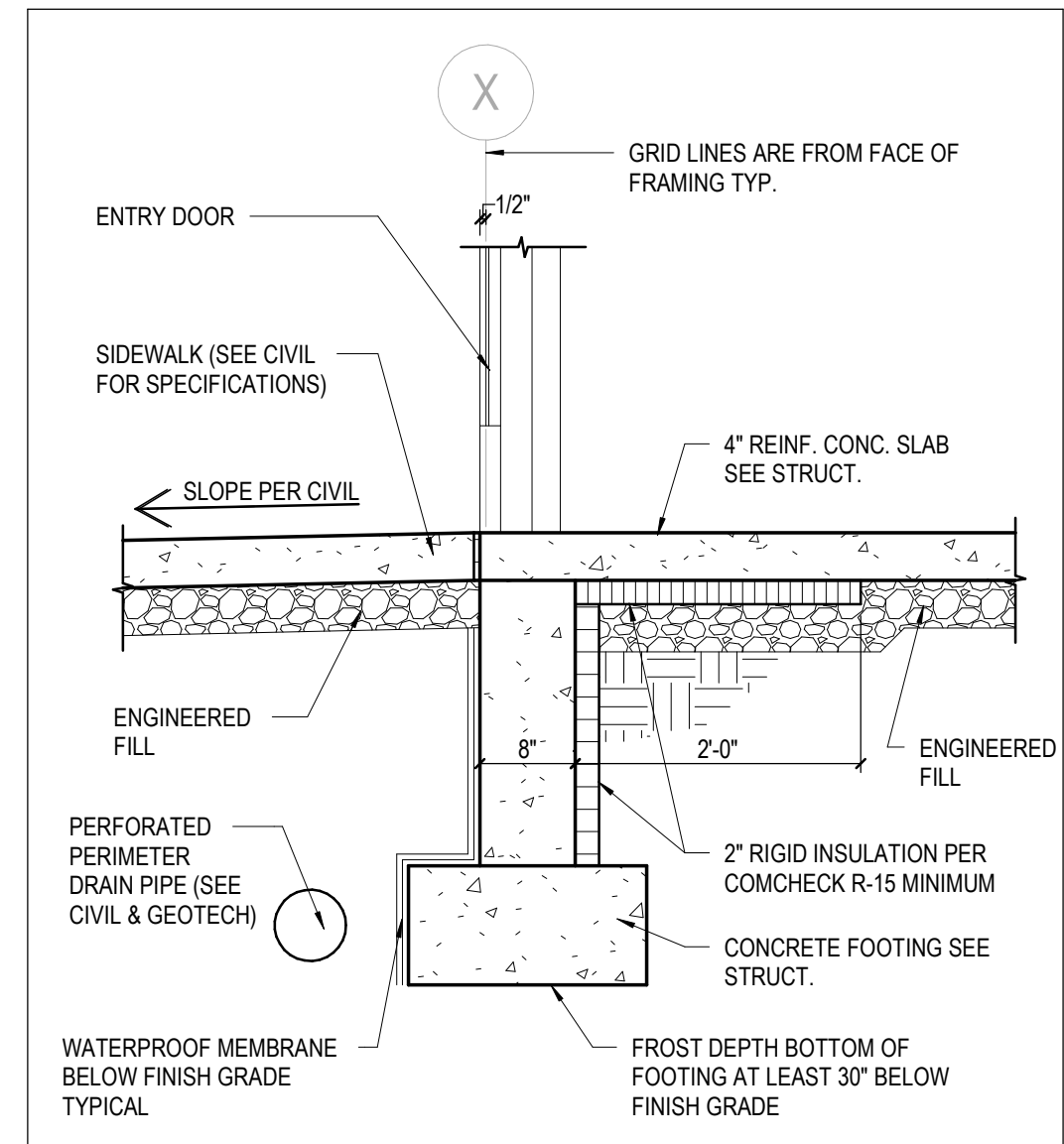
**8" FOUNDATION 'A'**  
SCALE: 3/4" = 1'-0"



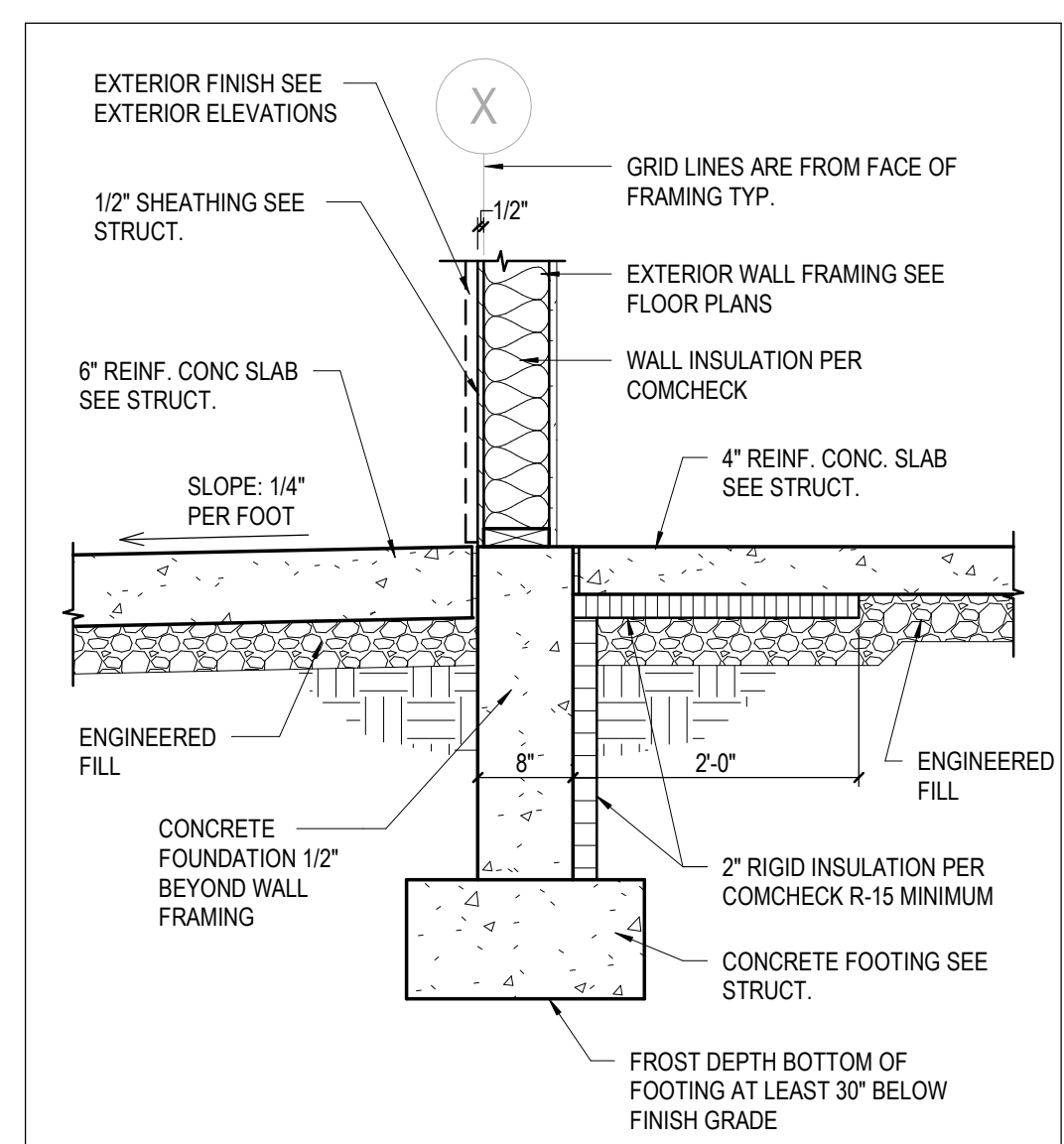
**8" FOUNDATION 'B'**  
SCALE: 3/4" = 1'-0"



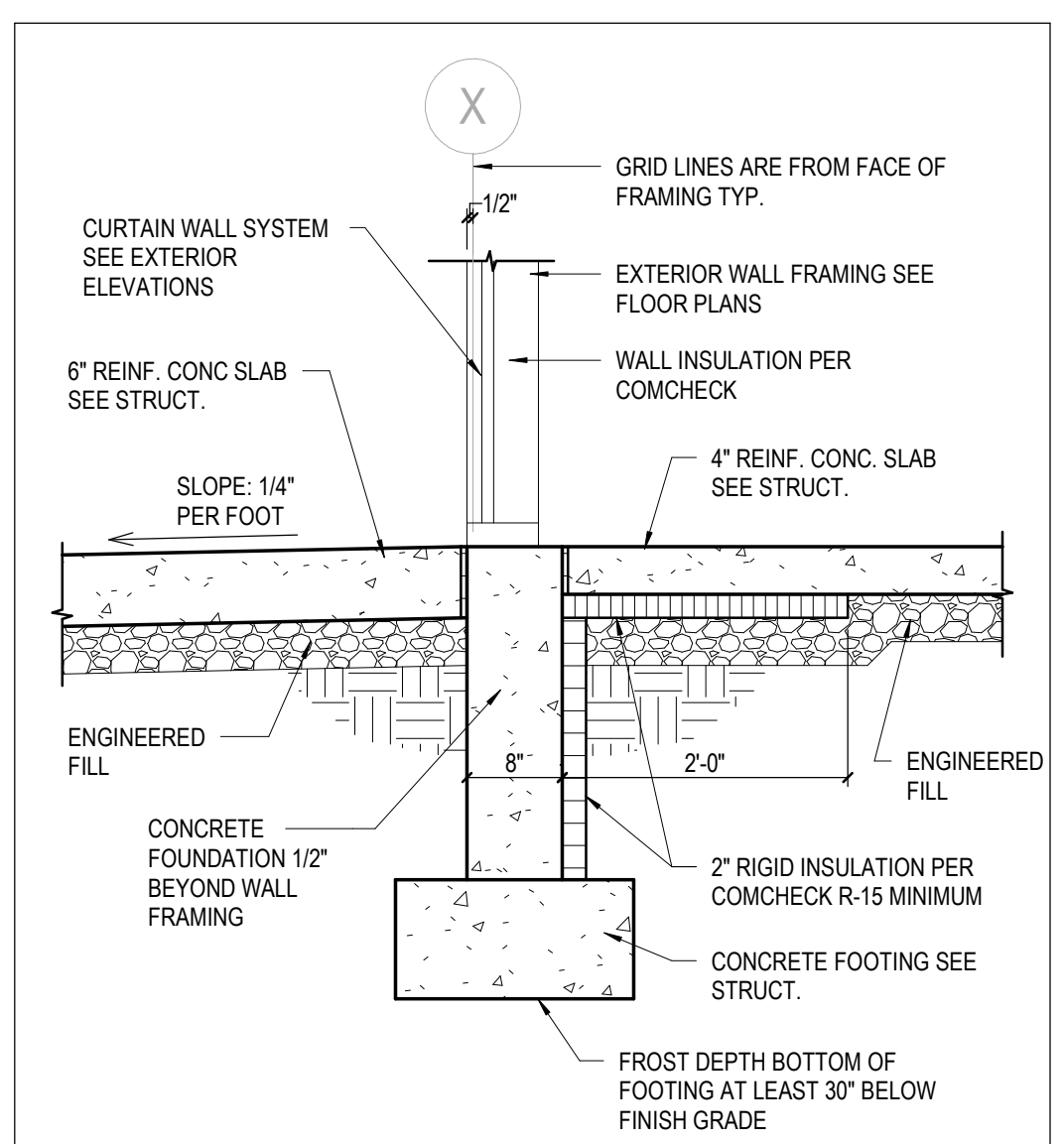
**8" FOUNDATION 'C'**  
SCALE: 3/4" = 1'-0"



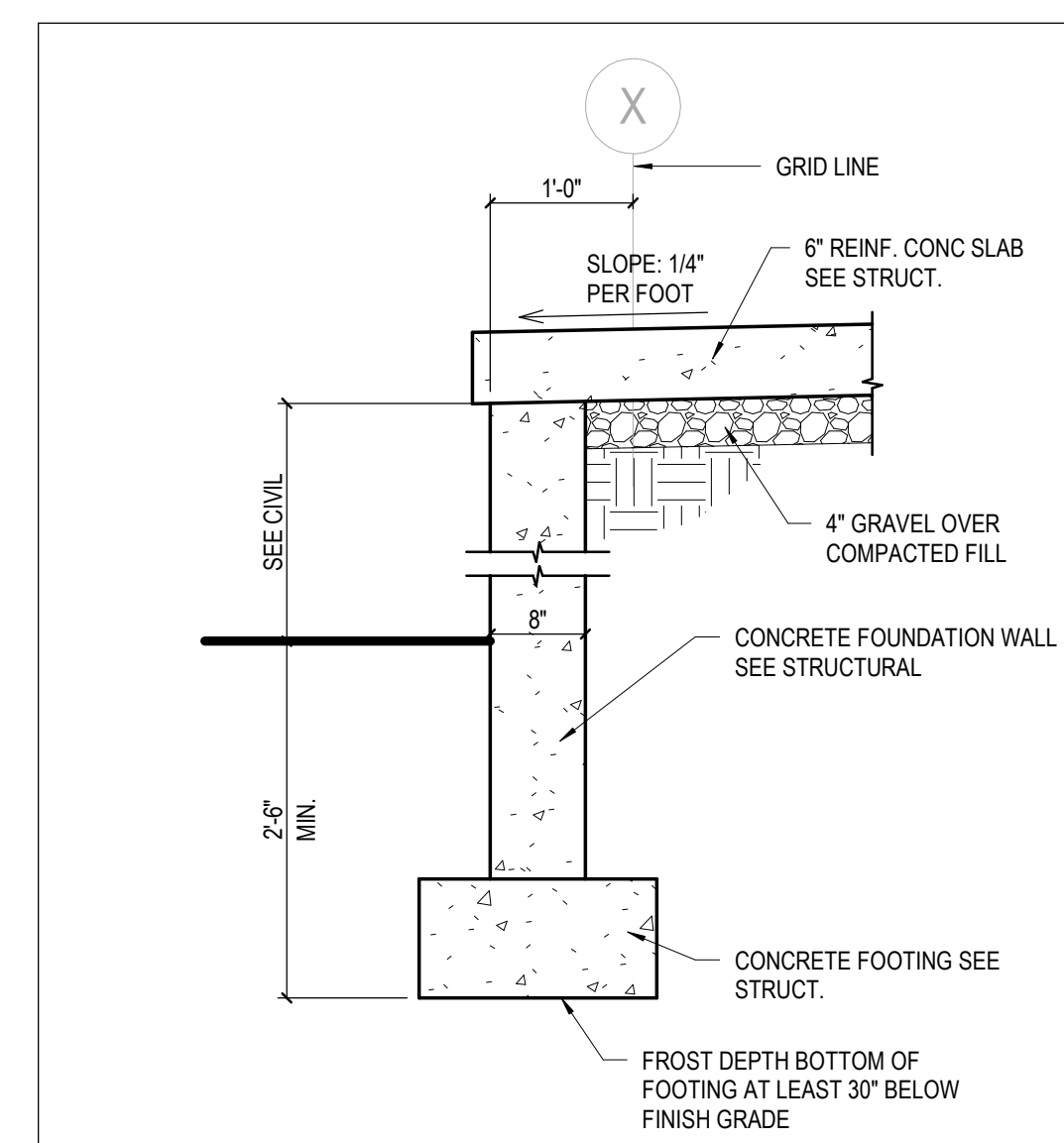
**8" FOUNDATION 'D'**  
SCALE: 3/4" = 1'-0"



**8" FOUNDATION 'E'**  
SCALE: 3/4" = 1'-0"



**8" FOUNDATION 'F'**  
SCALE: 3/4" = 1'-0"



**8" FOUNDATION 'G'**  
SCALE: 3/4" = 1'-0"

REVISIONS

#	Date	Description

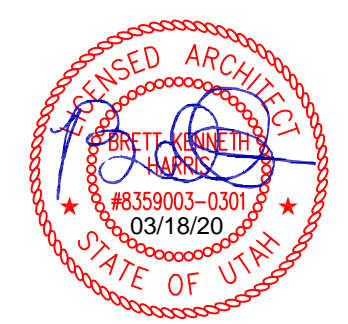
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Author

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**BLOSSOM RESTAURANT**  
 FOUNDATION DETAILS

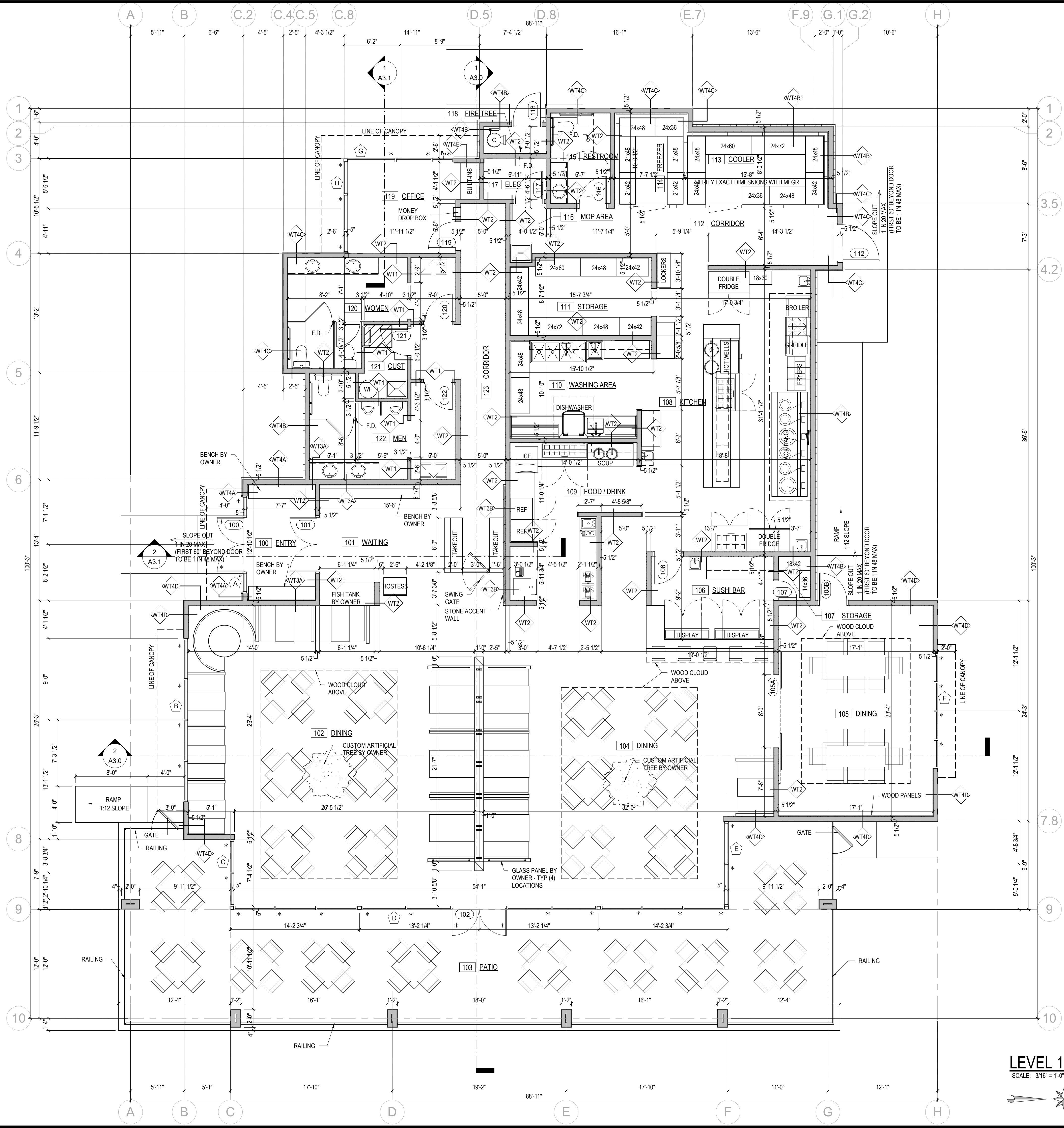
03/18/2020

**A1.0A**



BUILDING PERMIT SET 03/18/2020





**LEVEL 1 FLOOR PLAN**  
SCALE: 3/16" = 1'-0"



- GENERAL NOTES:**
- SEE SHEETS A4.0 & A4.1 FOR DOOR SCHEDULE AND DOOR / WINDOW TYPES.
  - SEE SHEET A3.2 FOR WALL TYPES.
  - SEE SITE PLAN (BY CIVIL ENGINEER) FOR LOCATION / EXTENSION OF WALKS & ACCESSIBLE ROUTE PLAN.
  - CONTRACTOR TO FOLLOW MANUFACTURERS DETAILS FOR FLASHING, CAULKING FOR EXTERIOR WINDOWS AND DOORS.
  - SOILS ENGINEER TO PROVIDE INSPECTION OF THE SITE ONCE EXCAVATION HAS TAKEN PLACE TO DETERMINE IF ANY PERIMETER DRAINAGE SYSTEM AND WATERPROOFING MEMBRANE IS REQUIRED.
  - GENERAL CONTRACTOR AND FRAMING SUB-CONTRACTOR TO ADJUST FLOOR AND ROOF FRAMING MEMBERS AS NECESSARY TO ALLOW FOR PLUMBING FIXTURE TRAPS, ROOF HATCHES, ETC.
  - RETURN THE ENDS OF ALL HANDRAILS TO EITHER THE WALL OR THE FLOOR - TYP.
  - FRAMING CONTRACTOR TO PROVIDE BACKING FOR ALL WALL - MOUNTED ITEMS.
  - DOORS TO BE FRAMED SUCH THAT 18" OF CLEAR SPACE EXISTS ON THE PULL SIDE. ON THE PUSH SIDE 12" OF CLEAR SPACE SHALL BE PROVIDED IF BOTH A CLOSER & LATCH ARE USED.
  - SEE STRUCTURAL DRAWINGS FOR COLUMN LOCATIONS, SHEAR WALL LOCATIONS, HOLDOWN / STRAP LOCATIONS.
  - SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF CONTROL JOINTS.
  - ALL SUB-CONTRACTORS TO VERIFY EXACT FLOOR TO FLOOR HEIGHTS AND FINISH CEILING HEIGHTS WITH OWNER AND GENERAL CONTRACTOR PRIOR TO CONSTRUCTION AND INSTALLATION.

REVISIONS	
#	Description

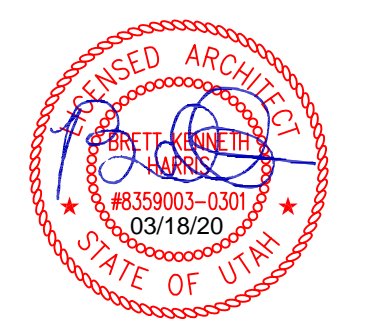
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**BLOSSOM RESTAURANT**  
LEVEL 1 DIMENSION FLOOR PLAN

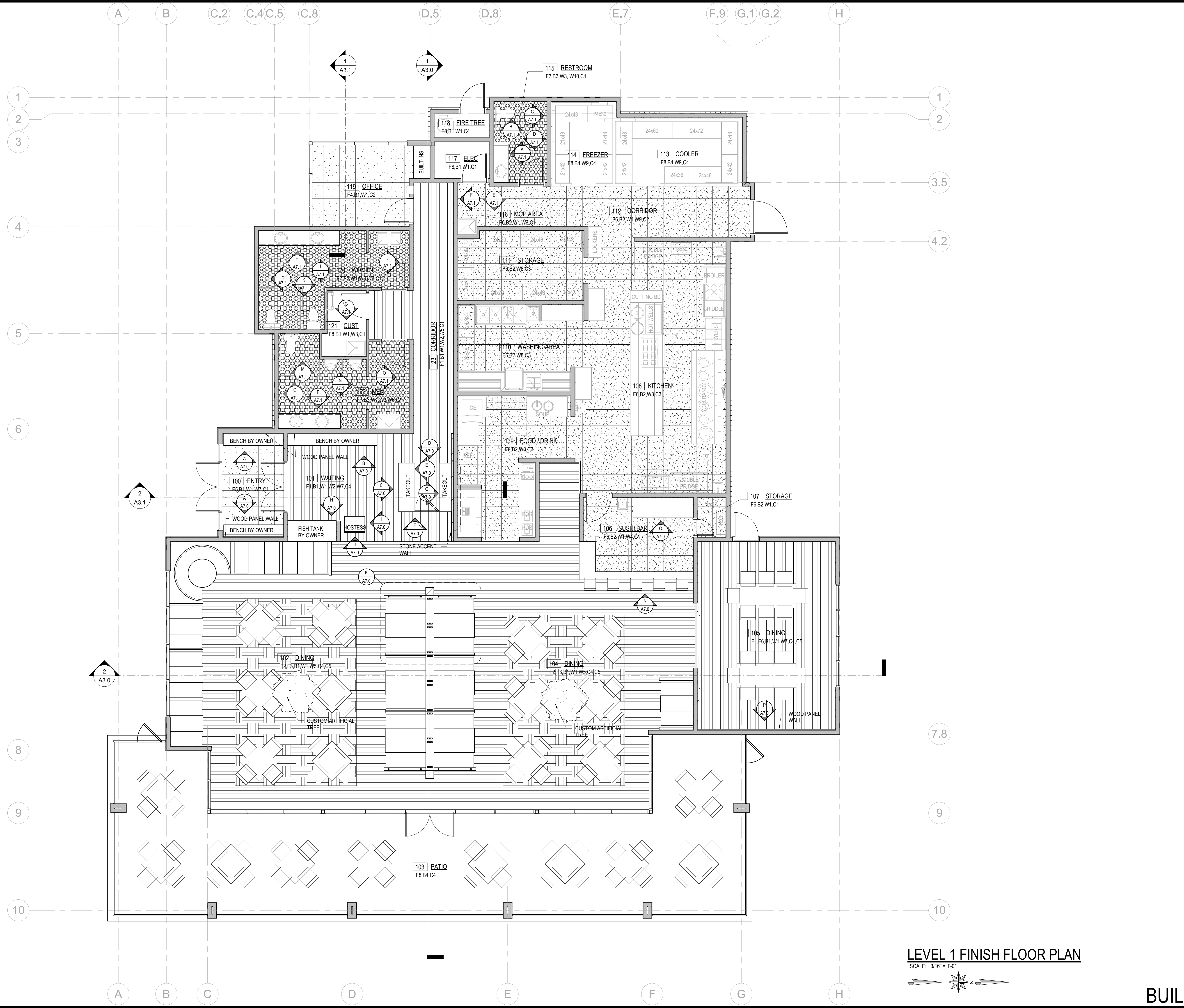
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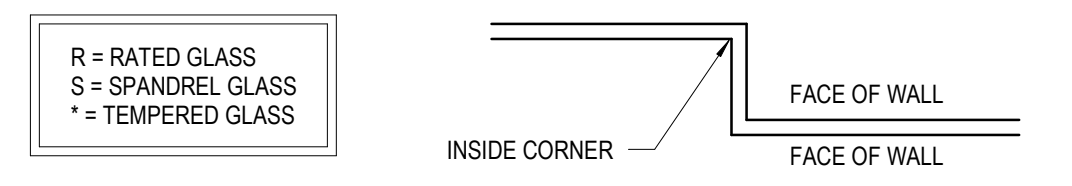
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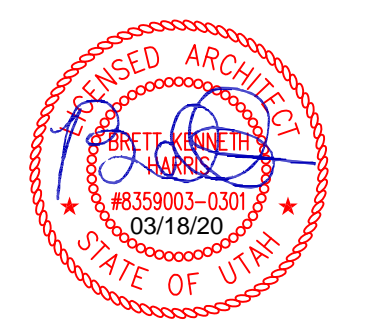
FINISH SCHEDULE	
<b>FLOOR</b>	
F1 LVP1	RECEPTION / PRIVATE DINING, LIGHT 4063V SILK, 6x48, SOUNDCAPE, 63121, SHAW, VERTICAL PATTERN
F2 LVP2	MAIN DINING, DARK, 4063V INK, SOUNDCAPE, 63549, SHAW, HORIZONTAL PATTERN
F3 LVP2	MAIN DINING, DARK, 4063V INK, SOUNDCAPE, 63549, SHAW, BASKET WEAVE PATTERN
F4 CARPET TILE 1	OFFICE, RAID 01518, COMMUNITY, SHAW
F5 CARPET TILE 2	VESTIBULE, RUFFIAN II, EBONY EARTH 1506, MANNINGTON
F6 QUARRY TILE	KITCHEN AREA, ASHEN GRAY, OTO3 (2), QUARRY TEXTURES 8x8, DAL TILE
F7 FLOOR TILE	RESTROOMS, 1" HEX, BLACK, D311, DAL TILE
F8 SEALED CONCRETE	
<b>BASE</b>	
B1 4" BLACK RUBBER	
B2 4" TILE	
B3 4" PORCELAIN TILE	
B4 NONE	
<b>WALL</b>	
W1 GYPSUM BOARD	(SEE PLANS FOR ANY FIRE RATING), SMOOTH LEVEL 4 FINISH, PAINT
W2 WALL STONE	ALMOND, SPLIT FACE, IMEXWARE, DAL TILE
W3 WALL TILE 1	RESTROOMS & MOP SINK, 6'-0" HEIGHT - 0190 ARTIC WHITE, 4x12, VERTICAL, DAL TILE
W4 WALL TILE 2	SUSHI BAR, DARK GREY, DP03, DIPLOMACY 12x24 VERTICAL, DAL TILE
W5 WALL COVERING 1	DINING & CORRIDOR A-198-141 CASHMERE, BURNISHED SILK, VERSA, TRI-KES
W6 WALL COVERING 2	RESTROOMS, 2TWW-01 LIGHT GREY, WELL WELL WELL WC, TRI-KES
W7 CEDAR WOOD	CLEAR CEDAR, RANDOM LENGTHS
W8 FRP	KITCHEN AREAS, EMBOSSED WHITE FIBERGLASS, REINFORCED PLASTIC (FRP)
W9 BY MANUFACTURER	RESTROOM, SW7757 HIGH REFLECTIVE WHITE, SHERWIN WILLIAMS
W10 EPOXY PAINT	
<b>CEILING</b>	
C1 GYPSUM BOARD - (SEE PLANS FOR ANY FIRE RATING), SMOOTH LEVEL 4 FINISH, PAINT	
C2 ACOUSTICAL CEILING TILE ON SUSPENDED GRID SYSTEM (NON-RATED) - REVEAL EDGE	
C3 WASHABLE ACOUSTICAL CEILING TILE ON SUSPENDED SYSTEM (NON-RATED) - REVEAL EDGE	
C4 STRUCTURE EXPOSED - PAINTED	
C5 SUSPENDED WOOD CLOUD STRUCTURE - SEE R.C.P. SHEET A6.1	
<b>MISC.</b>	
COUNTER TOPS	SHARPHAM, 5415, CAMBRIA COLLECTION
STAIRS	N/A
SINKS	SEE KITCHEN EQUIPMENT SHEETS
HARDWARE	BRUSHED STAINLESS STEEL
ENTRY DOORS	STOREFRONT - BLACK
INTERIOR DOORS	PLASTIC LAMINATE
HOLLOW METAL FRAMES	HOLLOW METAL - BLACK
METAL HANDRAILS	N/A
TOILET PARTITIONS	BRUSHED STAINLESS STEEL
LAMINATE	CABINETS, 5488-NT SMOKY BROWN PEAT, FORMICA
BOOTH DIVIDERS	CAPIZ NATURAL 2', CREAM 2', SANDSTONE, 3FORM
BOOTHES	BLACK VINYL SEATS W/ BLACK AND WHITE STRIPE BACKS
PAINT 1	GENERAL, SW 7042 SHOJI WHITE, SHERWIN WILLIAMS
PAINT 2	RESTROOMS, SW7757 HIGH REFLECTIVE WHITE, SHERWIN WILLIAMS
WOOD	RIFT CUT WHITE OAK
TWO TREES	CUSTOM ARTIFICIAL BLOSSOM PINK TREE

- FINISH NOTES:**
- SEE FINISH PLANS / SCHEDULES FOR ALL MATERIALS, COLORS, ACCENT WALLS, PATTERNS, ETC. SUBMIT ALL SELECTIONS TO ARCHITECT FOR APPROVAL.
  - SEE PLANS FOR ACCENT WALLS - VERIFY COLORS WITH ARCHITECT. (ALL ACCENT WALLS TO RETURN TO AN INSIDE CORNER - TYPICAL).
  - WALL MATERIAL LOCATED ON FINISH SCHEDULE ABOVE DOES NOT LIST THE ENTIRE WALL SYSTEM - ONLY THE EXTERIOR LAYER (FOR COMPLETE SYSTEM & RATING CONSTRUCTION, SEE WALL TYPES AND SECTIONS).
  - USE WATER-RESISTANT GYPSUM BOARD AND EPOXY PAINT AT ALL WET-WALL LOCATIONS (I.E., RESTROOM, KITCHEN, BREAK ROOM, DRINKING FOUNTAIN, ETC).
  - WINDOW COVERINGS, FURNISHINGS AND BUSINESS EQUIPMENT TO BE PROVIDED BY OWNER (COORDINATE W/ ARCHITECT).
  - PROVIDE SCHLUTER TRANSITION STRIPS AT CARPET TO TILE TRANSITIONS, STAINLESS STEEL.
  - WINDOW COVERINGS, FURNISHINGS AND EQUIPMENT ARE BY OWNER (TO BE COORDINATED W/ ARCHITECT).
  - PROVIDE ADA COMPLIANT SIGNAGE. OTHER INTERIOR AND EXTERIOR SIGNAGE AND GRAPHICS BY OWNER.
  - RESTROOM PARTITIONS AND ACCESSORIES TO BE STAINLESS STEEL, BRUSHED.
  - EXPOSED STEEL STRUCTURE - DARK NATURAL STEEL FINISH, U N.O.
  - FINISHES COLORS TO TERMINATE AT INSIDE CORNERS ONLY. SEE BELOW.



**LEVEL 1 FINISH FLOOR PLAN**  
 SCALE: 3/16" = 1'-0"

**BLOSSOM RESTAURANT**  
 LEVEL 1 FINISH FLOOR PLAN



**REVISIONS**

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**BLOSSOM RESTAURANT**  
 LEVEL 1 FINISH FLOOR PLAN

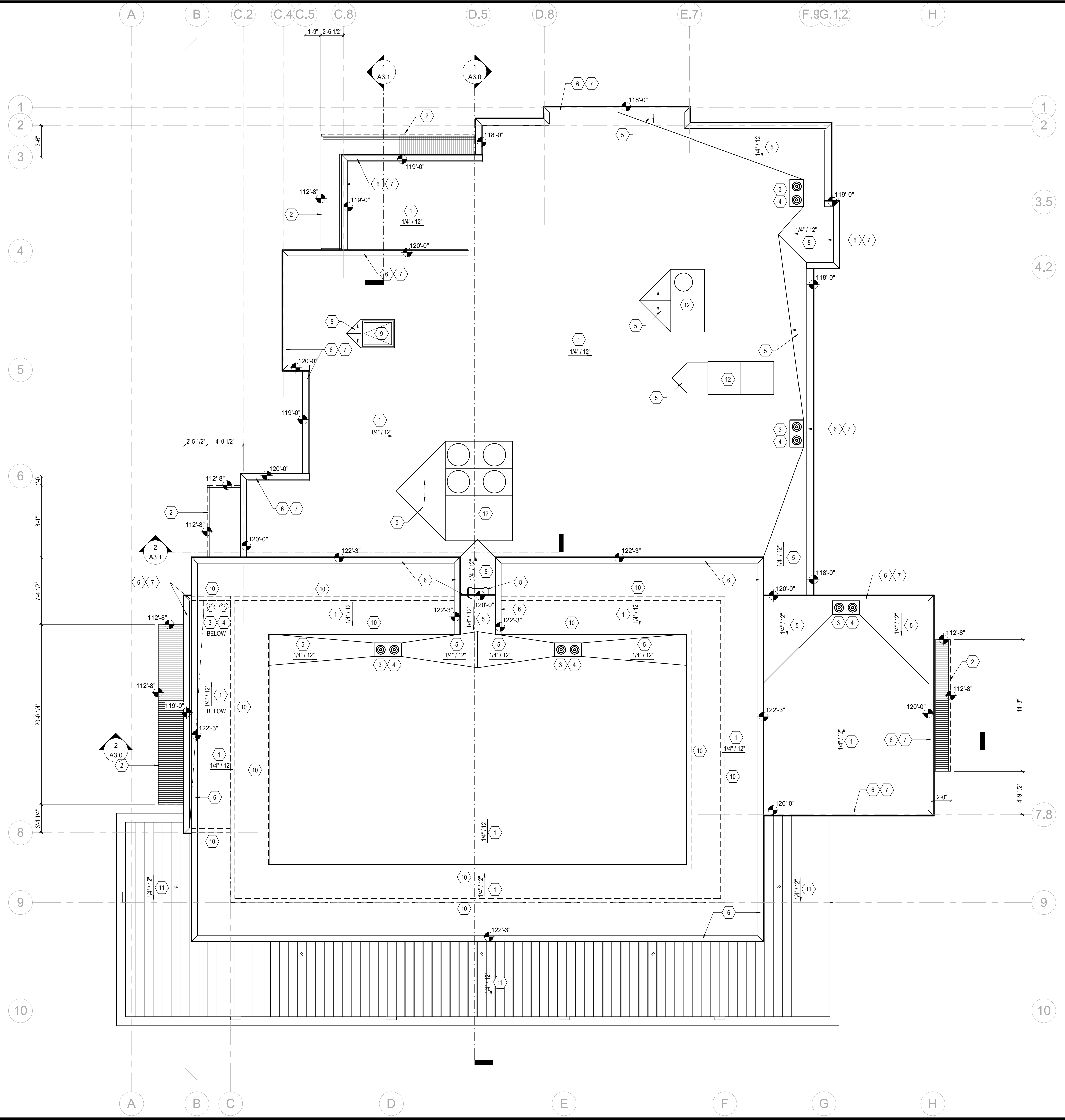
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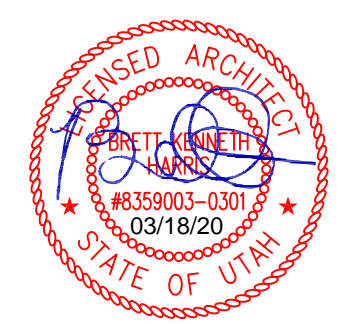


- ROOF NOTES:**
- GENERAL CONTRACTOR AND FRAMING SUB-CONTRACTOR TO ADJUST FLOOR AND ROOF FRAMING MEMBERS TO ALLOW FOR PLUMBING FIXTURE TRAPS, HATCHES, ETC.
  - ALL ROOF PENETRATIONS TO BE DETERMINED AND INSTALLED BY ROOFING SUBCONTRACTOR COORDINATE ALL LOCATIONS W/ ALL APPLICABLE TRADES.
  - VERIFY LOCATION OF ROOF PENETRATIONS. SEE ALSO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
  - SLOPE TOP OF PARAPETS BACK TO MAIN ROOF AT 1/4" PER FT. MINIMUM SLOPE (TYPICAL)
  - ALL MECHANICAL EQUIP. SHALL BE PLACED BEHIND THE TALLER PARAPETS WHEREVER POSSIBLE. SEE MECH. DWGS.
  - ALL MECHANICAL EQUIPMENT SHALL BE PLACED ON SOUND ISOLATION PLATFORM (PER MFG'S RECOMMENDATIONS). SEE MECHANICAL DRAWINGS.
  - PROVIDE WALKWAY PADS AROUND ROOF HATCHES AND TO ALL UNITS ON THE ROOF.
  - CONSTRUCT CRICKETS WITH RIGID INSULATION SLOPE 1/4" / FT. MIN. (PROVIDE CRICKETS AT ALL MECHANICAL EQUIP. LOCATIONS).
  - CRICKET AND SLOPE LAYOUT IS SCHEMATIC. SEE SHOP DRAWINGS FROM INSULATION MFG. AND INSTALLER FOR EXACT LAYOUT. CRICKETS SHOWN ARE REPRESENTATIONAL ONLY.
  - PROVIDE HEAT TAPE AT ALL DRAINS AND AT ALL PIPES IN UN-TEMPERED SPACES.
  - PROVIDE DRAINAGE OPENINGS AND SCUPPERS AT CANOPIES.

**ROOF PLAN KEYNOTES**

1	PVC ROOF MEMBRANE SLOPE 1/4" PER FOOT (CLASS B RATED) OR EPDM ALTERNATE
2	PAINTED ALUMINUM OR STEEL (POWDER COATED) CANOPY WITH 2"x2" WIRE MESH (SEE STRUCTURAL)
3	ROOF DRAIN - PROVIDE HEAT TAPE AT ALL DRAINS AND AT ALL PIPES IN UN-TEMPERED SPACES
4	OVERFLOW +2" ABOVE ROOF DRAIN - PROVIDE HEAT TAPE AT ALL DRAINS AND AT ALL PIPES IN UN-TEMPERED SPACES
5	CRICKET - MIN SLOPE 1/4" PER FOOT
6	PREFINISHED METAL PARAPET CAP
7	PARAPET BRACING AS REQUIRED - SEE STRUCTURAL FOR LOCATION AND DETAILS
8	ROOF ACCESS LADDER
9	36"x36" ROOF ACCESS HATCH AND GUARDS. SEE DETAIL 5/4.3
10	LINE OF WALL BELOW
11	STANDING SEAM METAL ROOF
12	ROOF TOP UNIT - SEE MECHANICAL DRAWINGS

**ROOF PLAN**  
SCALE: 3/16" = 1'-0"



**BUILDING PERMIT SET 03/18/2020**

**REVISIONS**

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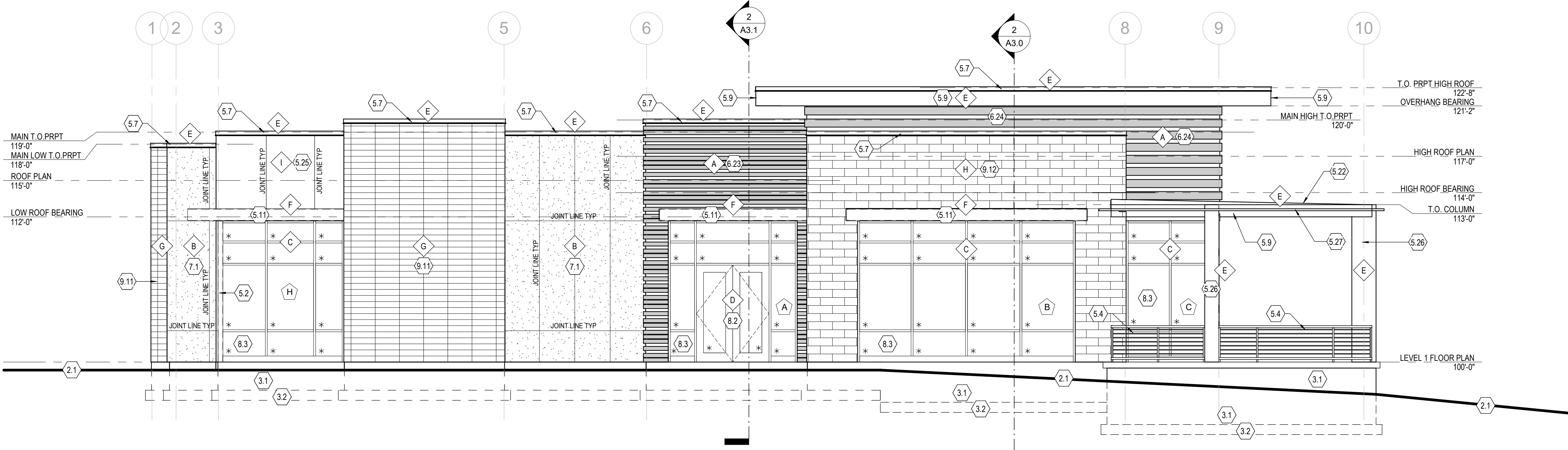
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**BLOSSOM RESTAURANT**  
ROOF PLAN

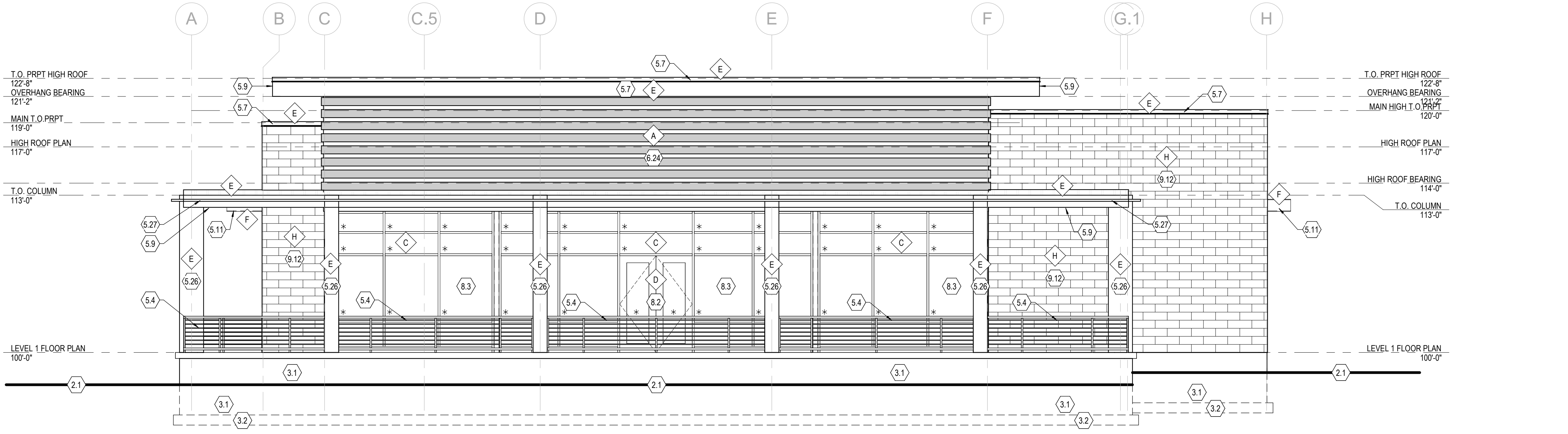
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**A1.3**

SITE CONSTRUCTION		KEY NOTES	
21 FINISH GRADE - SLOPE AWAY 1/2 INCH PER FOOT MIN.	67 PREFINISHED ALUMINUM PARAPET CAP	119 WOOD BEAM / HEADER - SEE STRUCT DRAWINGS	THERMAL & MOISTURE
22 ENGINEERED GRAVEL FILL - SEE STRUCT. & GEOTECH.	68 PREFINISHED METAL FLASHING	120 PRE MANUFACTURED WOOD TRUSSES - SEE STRUCTURAL FOR SPACING. SEE ALSO TRUSS MFGR.	
23 PERFORATED DRAIN PIPE AT PERIMETER - SEE CIVIL & GEOTECH.	69 PREFINISHED ALUM. FASCIA, SOFFIT (VENTED @ PITCHED ROOFS), GUTTERS, & DOWNSPOUTS (DOWNSPOUTS DRAIN TO MEMBRANE ROOF BELOW) WHERE POSSIBLE	121 TRUSS BLOCKING - SEE STRUCT.	FINISHES
CONCRETE	70 WOOD SHEATHING - SEE STRUCT. FOR TYPE AND THICKNESS	122 WOOD BEAM - SEE STRUCTURAL DRAWINGS	
11 CONCRETE FOUNDATION WALL - SEE STRUCTURAL DRAWINGS.	71 STEEL CANOPY PAINTED - SEE STRUCTURAL DWGS.	123 WOOD COLUMN - SEE STRUCT.	62 5/8" TYPE "X" GYP BOARD CEILING
12 CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS.	72 STEEL CHANNEL (PAINTED, U.O.N.) - SEE STRUCTURAL DWGS.	124 2x FASCIA BOARD	63 ACoustic TILE ON SUSPENDED SYSTEM - REVEAL EDGE FOR INSTALLATION DETAILS
13 4" REINFORCED CONCRETE SLAB - SEE STRUCT. DWGS.	73 PREFINISHED STANDING SEAM METAL ROOF (CLASS A RATED)	125 PARAPET BRACING AS REQUIRED - SEE STRUCTURAL	64 6x24 DAL TILE - SEE EXTERIOR FINISH SCHEDULE (SEE MFGR FOR INSTALLATION DETAILS)
14 6" REINFORCED CONCRETE SLAB - SEE STRUCT. DWGS.	74 ROOF ACCESS LADDER	126 2x6 RIFT CUT WHITE OAK EQUALLY SPACED	65 6x24 DAL TILE BRICK COARSE - SEE EXTERIOR FINISH SCHEDULE (SEE MFGR FOR INSTALLATION DETAILS)
MASONRY	75 ACM METAL PANELS SEE DETAILS SHEET A4.5	127 2x8 RIFT CUT WHITE OAK	66 3 FORM PANEL TYP - SEE FINISH SCHEDULE
45 STONE ACCENT WALL - SEE FINISH SCHEDULE	76 PREFINISHED WRAPPED METAL COLUMN	128 2x12 RIFT CUT WHITE OAK	67 WALL TILE - SEE FINISH SCHEDULE
METALS	77 METAL FIN (PAINTED) - SEE STRUCTURAL	129 SUSPENDED WOOD CEILING SEE DETAIL N44.3	
62 STEEL TUBE (PAINTED, U.O.N.) - SEE STRUCTURAL DWGS.	WOOD AND PLASTICS		
63 STEEL GUARDRAIL (POWDER COATED AT EXTERIOR LOCATIONS - PAINTED AT INTERIOR LOCATIONS) 42" FROM FLOOR LINE SUCH THAT 4" SPHERE MAY NOT PASS THRU (SEE STRUCT. DWGS. FOR CALL-OUTS AND CONNECTION DETAILS)	61 2x4 STUDS - SEE STRUCT. FOR SPACING	DOORS AND WINDOWS	
	62 2x6 STUDS - SEE STRUCT. FOR SPACING	61 HOLLOW METAL DOOR OR ENTRY SYSTEM	
	63 2x TREATED PLATE - SEE STRUCT. FOR BOLT PATTERN AND SPACING	62 ALUMINUM ENTRY / WINDOW SYSTEM	
	64 BLOCKING - SEE STRUCT.	63 ALUMINUM CURTAIN WALL WINDOW SYSTEM	
	65 DOUBLE - 2x TOP PLATE 48" LAP SPLICE MIN.	64 DOOR - SEE DOOR SCHEDULE	



**SOUTH ELEVATION**  
SCALE: 3/16" = 1'-0"



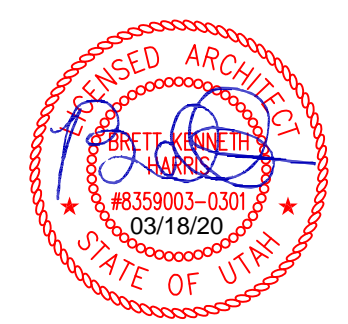
**EAST ELEVATION**  
SCALE: 3/16" = 1'-0"

- GENERAL NOTES:**
- PROVIDE / MAINTAIN 30" MINIMUM FROST DEPTH CLEARANCE FROM TOP OF GRADE TO BOTTOM OF FOOTING - SEE STRUCTURAL FOR EXACT HEIGHTS OF FOUNDATION WALLS.
  - GENERAL CONTRACTOR TO COORDINATE ALL FOOTING HEIGHTS AND FOOTING STEPS WITH CIVIL AND STRUCTURAL AND WITH FINAL GRADES ON SITE.
  - GENERAL CONTRACTOR AND FRAMING SUB-CONTRACTOR TO ADJUST FLOOR AND ROOF FRAMING MEMBERS TO ALLOW FOR PLUMBING FIXTURE TRAPS, ROOF HATCHES, ETC...
  - SOILS ENGINEER TO PROVIDE INSPECTION OF THE SITE ONCE EXCAVATION HAS TAKEN PLACE TO DETERMINE IF ANY PERIMETER DRAINAGE SYSTEM AND WATERPROOFING MEMBRANE IS REQUIRED.
  - ALL SUB-CONTRACTORS TO VERIFY EXACT FLOOR TO FLOOR HEIGHTS AND FINISH CEILING HEIGHTS WITH OWNER PRIOR TO CONSTRUCTION AND INSTALLATION.
  - FOR SOUND INSULATION AT INTERIOR WALLS SEE FLOOR PLANS AND WALL TYPE DETAILS, SHEETS A1.1, A1.2 & A3.2. VERIFY INTENT WITH OWNER.
  - SEE ROOF PLAN FOR ALL DIMENSIONS OF CANOPIES.
- S = SPANDREL GLASS (SEE FLOOR PLANS / ELEVATIONS FOR ADDITIONAL LOCATIONS).  
\* = TEMPERED GLASS (SEE FLOOR PLANS / ELEVATIONS FOR ADDITIONAL LOCATIONS).  
□ = SEE SHEETS A4.0 - A4.1 FOR DOOR AND WINDOW TYPES

**KEY TO EXTERIOR FINISHES**

A	WOOD	CLEAR CEDAR
B	STUCCO	875 GREY CLOUD, FINE FINISH, SENERGY
C	WINDOWS	BLACK
D	STOREFRONT	BLACK
E	METAL 1	BLACK
F	METAL 2	COPPER PENNY 5792K, OCM
G	WALL TILE - 1	BUILT SERIES MATTE, COLOR BAM - 6x24 DAL TILE
H	WALL TILE - 2	BUILT SERIES MATTE, COLOR BAM - 6x24 DAL TILE - BRICK COARSE
I	METAL WALL PANEL	ACM PANEL

- FINISH NOTES:**
- NOTE: ALL METAL TRIMS / VENTS ON EXTERIOR OF BUILDING TO BE PAINTED TO MATCH THE COLOR OF THE BRICK / STUCCO / METAL PANELS / OR OTHER EXTERIOR FINISHES THAT THEY ARE LOCATED IN. VERIFY PAINT COLOR WITH ARCHITECT AND OWNER.
- NOTE: SEE ARCHITECTURAL FINISH SCHEDULES FOR ACTUAL COLORS AND MATERIALS.
- NOTE: ALL COLORS / MATERIALS TO BE SUBMITTED TO ARCHITECT AND OWNER FOR APPROVAL.
- NOTE: EXTERIOR FINISHES / COLORS TO TERMINATE NO INSIDE CORNERS ONLY. SEE BELOW.
- 



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**BLOSSOM RESTAURANT**  
EXTERIOR BUILDING ELEVATIONS

03/18/2020

**A2.0**

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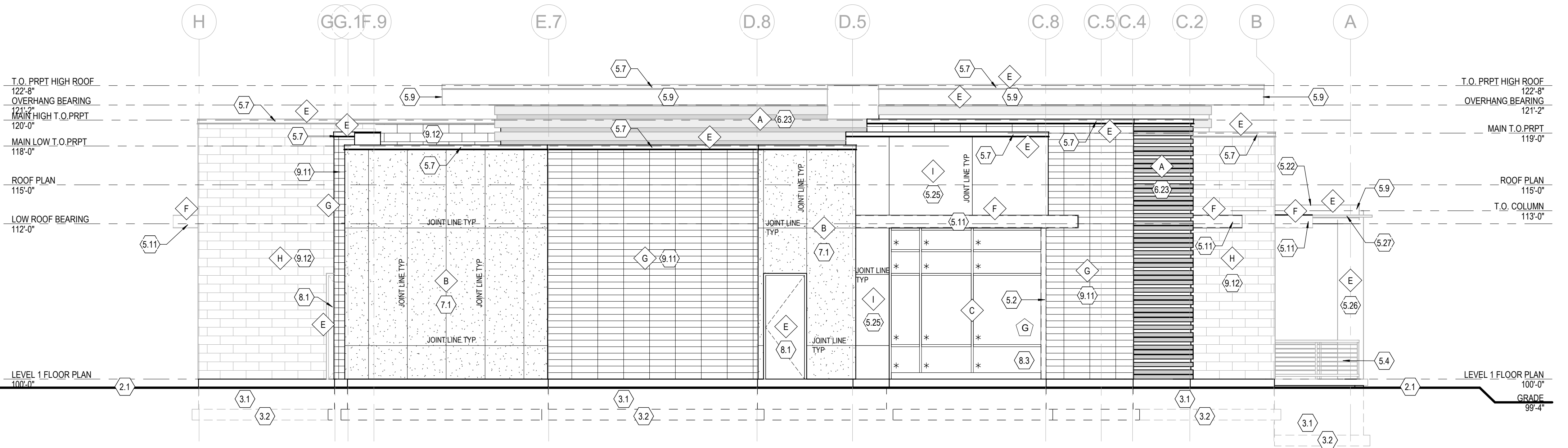
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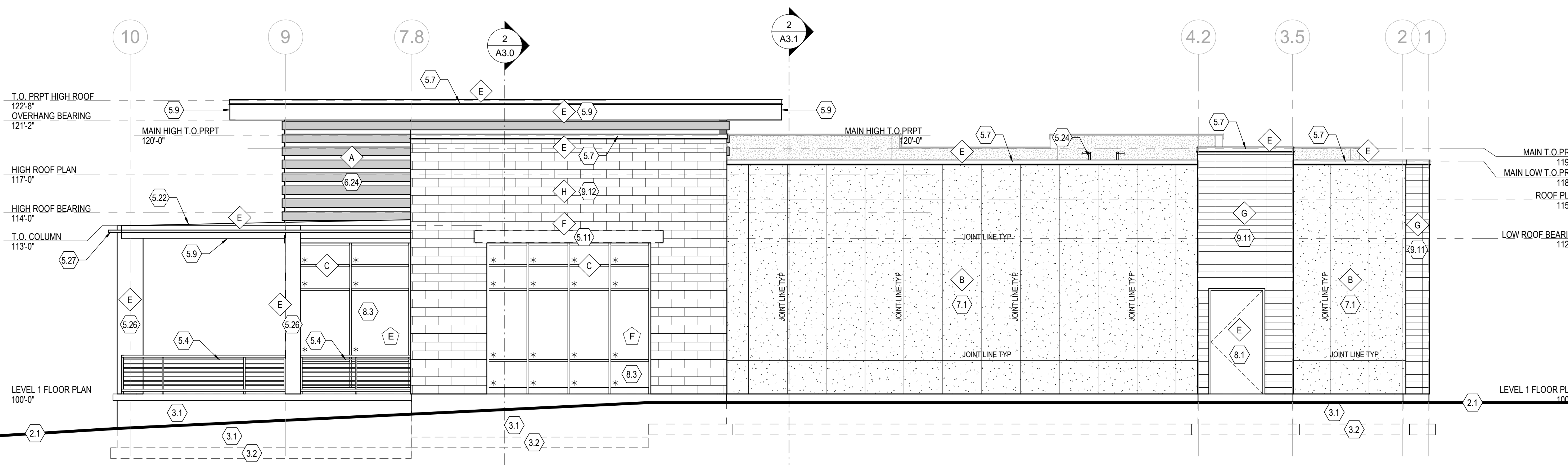
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SITE CONSTRUCTION		KEY NOTES	
21 FINISH GRADE - SLOPE AWAY 1/2 INCH PER FOOT MIN.	67 PREFINISHED ALUMINUM PARAPET CAP	119 WOOD BEAM / HEADER - SEE STRUCT DRAWINGS	THERMAL & MOISTURE
22 ENGINEERED GRAVEL FILL - SEE STRUCT. & GEOTECH.	68 PREFINISHED METAL FLASHING	120 PRE MANUFACTURED WOOD TRUSSES - SEE STRUCTURAL FOR SPACING. SEE ALSO TRUSS MFG.	
23 PERFORATED DRAIN PIPE AT PERIMETER - SEE CIVIL & GEOTECH.	69 PREFINISHED ALUM. FASCIA, SOFFIT (VENTED @ PITCHED ROOFS), GUTTERS, & DOWNSPOUTS (DOWNSPOUTS DRAIN TO MEMBRANE ROOF BELOW) WHERE POSSIBLE	121 TRUSS BLOCKING - SEE STRUCT.	FINISHES
CONCRETE	70 WOOD SHEATHING - SEE STRUCT. FOR TYPE AND THICKNESS	122 WOOD BEAM - SEE STRUCTURAL DRAWINGS	
11 CONCRETE FOUNDATION WALL - SEE STRUCTURAL DRAWINGS.	71 STEEL CANOPY PAINTED - SEE STRUCTURAL DWGS.	123 WOOD COLUMN - SEE STRUCT.	62 5/8" TYPE "X" GYP BOARD CEILING
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14 6" REINFORCED CONCRETE SLAB - SEE STRUCT. DWGS.	74 ROOF ACCESS LADDER	126 1x8 CLEAR CEDAR WOOD SIDING OVER C CHANNELS	65 6x24 DAL TILE BRICK COARSE - SEE EXTERIOR FINISH SCHEDULE (SEE MFG FOR INSTALLATION DETAILS)
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METALS	77 WOOD AND PLASTICS	78 2x4 STUDS - SEE STRUCT. FOR SPACING	DOORS AND WINDOWS
62 STEEL TUBE (PAINTED, U.O.N.) - SEE STRUCTURAL DWGS.	79 2x6 STUDS - SEE STRUCT. FOR SPACING	79 2x6 STUDS - SEE STRUCT. FOR SPACING	61 HOLLOW METAL DOOR OR ENTRY SYSTEM
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	81 BLOCKING - SEE STRUCT.	81 BLOCKING - SEE STRUCT.	63 ALUMINUM CURTAIN WALL WINDOW SYSTEM
	82 DOUBLE - 2x TOP PLATE 48" LAP SPLICE MIN.	82 DOUBLE - 2x TOP PLATE 48" LAP SPLICE MIN.	64 DOOR - SEE DOOR SCHEDULE

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**WEST ELEVATION**  
SCALE: 3/16" = 1'-0"



**NORTH ELEVATION**  
SCALE: 3/16" = 1'-0"

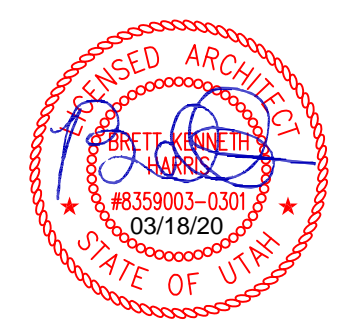
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  - GENERAL CONTRACTOR TO COORDINATE ALL FOOTING HEIGHTS AND FOOTING STEPS WITH CIVIL AND STRUCTURAL AND WITH FINAL GRADES ON SITE.
  - GENERAL CONTRACTOR AND FRAMING SUB-CONTRACTOR TO ADJUST FLOOR AND ROOF FRAMING MEMBERS TO ALLOW FOR PLUMBING FIXTURE TRAPS, ROOF HATCHES, ETC..
  - SOILS ENGINEER TO PROVIDE INSPECTION OF THE SITE ONCE EXCAVATION HAS TAKEN PLACE TO DETERMINE IF ANY PERIMETER DRAINAGE SYSTEM AND WATERPROOFING MEMBRANE IS REQUIRED.
  - ALL SUB-CONTRACTORS TO VERIFY EXACT FLOOR TO FLOOR HEIGHTS AND FINISH CEILING HEIGHTS WITH OWNER PRIOR TO CONSTRUCTION AND INSTALLATION.
  - FOR SOUND INSULATION AT INTERIOR WALLS SEE FLOOR PLANS AND WALL TYPE DETAILS, SHEETS A1.1, A1.2 & A3.2. VERIFY INTENT WITH OWNER.
  - SEE ROOF PLAN FOR ALL DIMENSIONS OF CANOPIES.
- S = SPANDREL GLASS (SEE FLOOR PLANS / ELEVATIONS FOR ADDITIONAL LOCATIONS).  
\* = TEMPERED GLASS (SEE FLOOR PLANS / ELEVATIONS FOR ADDITIONAL LOCATIONS).  
□ = SEE SHEETS A4.0 - A4.1 FOR DOOR AND WINDOW TYPES

**KEY TO EXTERIOR FINISHES**

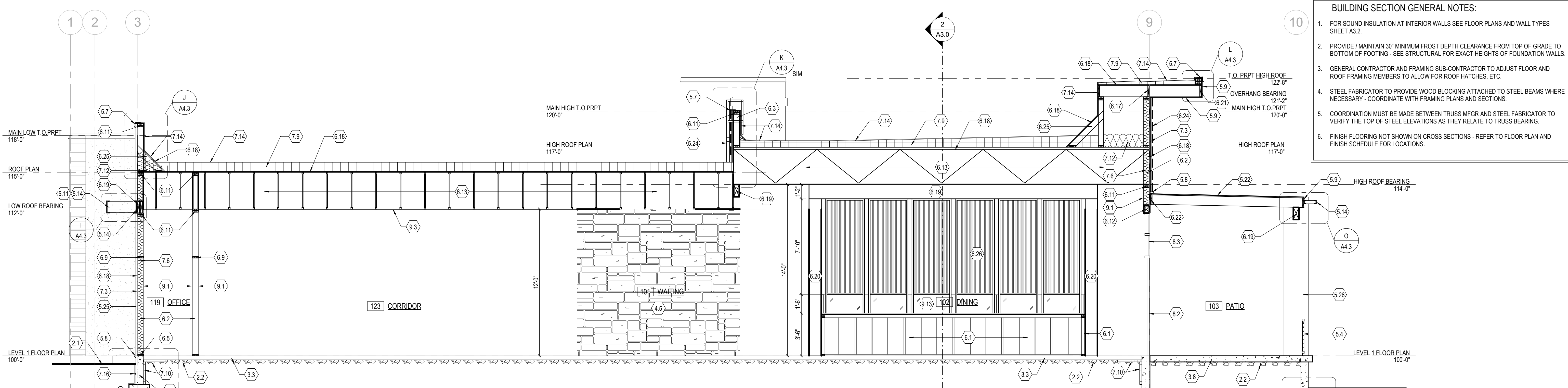
Callout	Material	Finish
A	WOOD	CLEAR CEDAR
B	STUCCO	875 GREY CLOUD, FINE FINISH, SENERGY
C	WINDOWS	BLACK
D	STOREFRONT	BLACK
E	METAL 1	BLACK
F	METAL 2	COPPER PENNY 5792K, OCM
G	WALL TILE - 1	BUILT SERIES MATTE, COLOR BAM - 6x24 DAL TILE
H	WALL TILE - 2	BUILT SERIES MATTE, COLOR BAM - 6x24 DAL TILE - BRICK COARSE
I	METAL WALL PANEL	ACM PANEL

- FINISH NOTES:**
- NOTE: ALL METAL TRIMS / VENTS ON EXTERIOR OF BUILDING TO BE PAINTED TO MATCH THE COLOR OF THE BRICK / STUCCO / METAL PANELS / OR OTHER EXTERIOR FINISHES THAT THEY ARE LOCATED IN. VERIFY PAINT COLOR WITH ARCHITECT AND OWNER.
- NOTE: SEE ARCHITECTURAL FINISH SCHEDULES FOR ACTUAL COLORS AND MATERIALS.
- NOTE: ALL COLORS / MATERIALS TO BE SUBMITTED TO ARCHITECT AND OWNER FOR APPROVAL.
- NOTE: EXTERIOR FINISHES / COLORS TO TERMINATE NO INSIDE CORNERS ONLY. SEE BELOW.
- 

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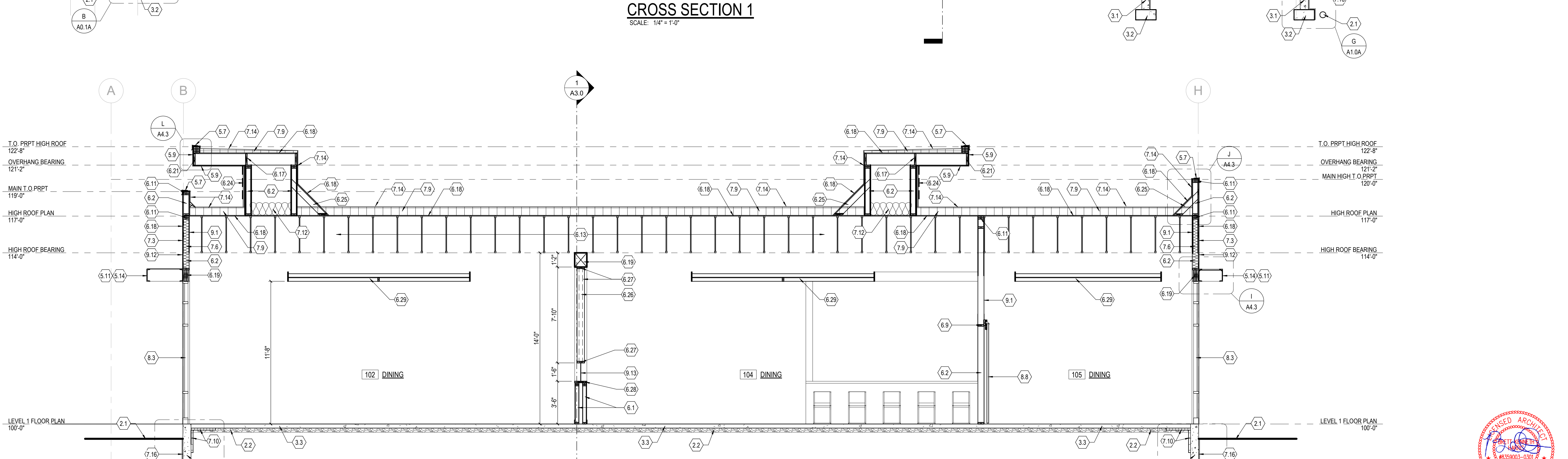


SITE CONSTRUCTION		WOOD AND PLASTICS		THERMAL & MOISTURE		FINISHES	
21 FINISH GRADE - SLOPE AWAY 1/2 INCH PER FOOT MIN.	67 PREFINISHED ALUMINUM PARAPET CAP	619 WOOD BEAM / HEADER - SEE STRUCT DRAWINGS	617 EXTERIOR INSULATION & FINISH SYSTEM (EIFS) - SEE SHEET A4.6 & A4.6A FOR THICKNESS	61 5/8" TYPE "X" GYP BOARD	617 TRUSS MANUFACTURED WOOD TRUSSES - SEE STRUCTURAL FOR SPACING. SEE ALSO TRUSS MFGR.	61 5/8" TYPE "X" GYP BOARD CEILING	61 5/8" TYPE "X" GYP BOARD
22 ENGINEERED GRAVEL FILL - SEE STRUCT. & GEOTECH.	68 PREFINISHED METAL FLASHING	618 PRE MANUFACTURED WOOD TRUSSES - SEE STRUCTURAL FOR SPACING. SEE ALSO TRUSS MFGR.	618 AIR BARRIER - TYVEK COMMERCIAL WRAP "TY" OR APPROVED EQUAL. (TAPE AND SEAL SEAMS & PENETRATIONS) TYP. AT EXTERIOR WALLS. (AT GENERAL CONTRACTOR'S OPTION, A FLUID APPLIED AIR BARRIER MAY BE USED IN LIEU)	612 6x24 DAL TILE - SEE EXTERIOR FINISH SCHEDULE (SEE MFGR FOR INSTALLATION DETAILS)	619 WOOD BLOCKING - SEE STRUCT.	612 6x24 DAL TILE BRICK COARSE - SEE EXTERIOR FINISH SCHEDULE (SEE MFGR FOR INSTALLATION DETAILS)	612 6x24 DAL TILE - SEE EXTERIOR FINISH SCHEDULE (SEE MFGR FOR INSTALLATION DETAILS)
23 PERFORATED DRAIN PIPE AT PERIMETER - SEE CIVIL & GEOTECH.	69 PREFINISHED ALUM. FASCIA, SOFFIT (VENTED @ PITCHED ROOFS), GUTTERS, & DOWNSPOUTS (DOWNSPOUTS DRAIN TO MEMBRANE ROOF BELOW) WHERE POSSIBLE	619 WOOD SHEATHING - SEE STRUCT. FOR TYPE AND THICKNESS	619 WOOD COLUMNS - SEE STRUCT.	613 3 FORM PANEL TYP. - SEE FINISH SCHEDULE	620 2x FASCIA BOARD	613 3 FORM PANEL TYP. - SEE FINISH SCHEDULE	613 3 FORM PANEL TYP. - SEE FINISH SCHEDULE
<b>CONCRETE</b>		621 STEEL CANOPY PAINTED - SEE STRUCTURAL DWGS.	621 1x4 CLEAR CEDAR WOOD SIDING OVER C CHANNELS	614 WALL TILE - SEE FINISH SCHEDULE	622 2x STUDS - SEE STRUCT. FOR SPACING	614 WALL TILE - SEE FINISH SCHEDULE	
11 CONCRETE FOUNDATION WALL - SEE STRUCTURAL DRAWINGS.	622 STEEL CHANNEL (PAINTED, U.O.N.) - SEE STRUCTURAL DWGS.	622 PREFINISHED STANDING SEAM METAL ROOF (CLASS A RATED)	622 1x4 CLEAR CEDAR WOOD SIDING OVER C CHANNELS		623 2x6 STUDS - SEE STRUCT. FOR SPACING		
12 CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS.	623 ROOF ACCESS LADDER	623 2x FASCIA BOARD	623 PARAPET BRACING AS REQUIRED - SEE STRUCTURAL		624 2x TREATED PLATE - SEE STRUCT. FOR BOLT PATTERN AND SPACING		
13 4" REINFORCED CONCRETE SLAB - SEE STRUCT. DWGS.	624 ACM PANEL METALS SEE DETAILS SHEET A4.5	624 2x12 RFT CUT WHITE OAK EQUALLY SPACED	624 2x12 RFT CUT WHITE OAK		625 BLOCKING - SEE STRUCT.		
14 6" REINFORCED CONCRETE SLAB - SEE STRUCT. DWGS.	625 PREFINISHED WRAPPED METAL COLUMN	625 2x8 RFT CUT WHITE OAK	625 SUSPENDED WOOD CEILING SEE DETAIL N44.3		626 DOUBLE - 2x TOP PLATE 48" LAP SPLICE MIN.		
<b>MASONRY</b>		626 METAL FIN (PAINTED) - SEE STRUCTURAL					
45 STONE ACCENT WALL - SEE FINISH SCHEDULE	<b>WOOD AND PLASTICS</b>						
<b>METALS</b>		61 2x4 STUDS - SEE STRUCT. FOR SPACING					
62 STEEL TUBE (PAINTED, U.O.N.) - SEE STRUCTURAL DWGS.	61 2x6 STUDS - SEE STRUCT. FOR SPACING	62 2x6 STUDS - SEE STRUCT. FOR SPACING					
63 STEEL GUARDRAIL (POWDER COATED AT EXTERIOR LOCATIONS - PAINTED AT INTERIOR LOCATIONS) +2" FROM FLOOR LINE SUCH THAT 4" SPHERE MAY NOT PASS THRU (SEE STRUCT. DWGS. FOR CALL-OUTS AND CONNECTION DETAILS)	62 2x TREATED PLATE - SEE STRUCT. FOR BOLT PATTERN AND SPACING	63 BLOCKING - SEE STRUCT.					
	63 DOUBLE - 2x TOP PLATE 48" LAP SPLICE MIN.						

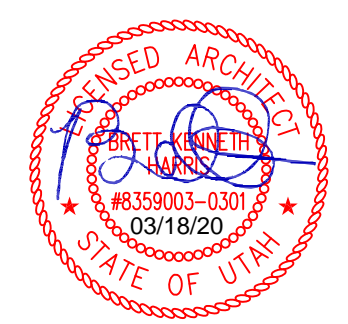


CROSS SECTION 1  
SCALE: 1/4" = 1'-0"

- BUILDING SECTION GENERAL NOTES:**
- FOR SOUND INSULATION AT INTERIOR WALLS SEE FLOOR PLANS AND WALL TYPES SHEET A3.2.
  - PROVIDE / MAINTAIN 30" MINIMUM FROST DEPTH CLEARANCE FROM TOP OF GRADE TO BOTTOM OF FOOTING - SEE STRUCTURAL FOR EXACT HEIGHTS OF FOUNDATION WALLS.
  - GENERAL CONTRACTOR AND FRAMING SUB-CONTRACTOR TO ADJUST FLOOR AND ROOF FRAMING MEMBERS TO ALLOW FOR ROOF HATCHES, ETC.
  - STEEL FABRICATOR TO PROVIDE WOOD BLOCKING ATTACHED TO STEEL BEAMS WHERE NECESSARY - COORDINATE WITH FRAMING PLANS AND SECTIONS.
  - COORDINATION MUST BE MADE BETWEEN TRUSS MFGR AND STEEL FABRICATOR TO VERIFY THE TOP OF STEEL ELEVATIONS AS THEY RELATE TO TRUSS BEARING.
  - FINISH FLOORING NOT SHOWN ON CROSS SECTIONS - REFER TO FLOOR PLAN AND FINISH SCHEDULE FOR LOCATIONS.



CROSS SECTION 2  
SCALE: 1/4" = 1'-0"



BUILDING PERMIT SET 03/18/2020

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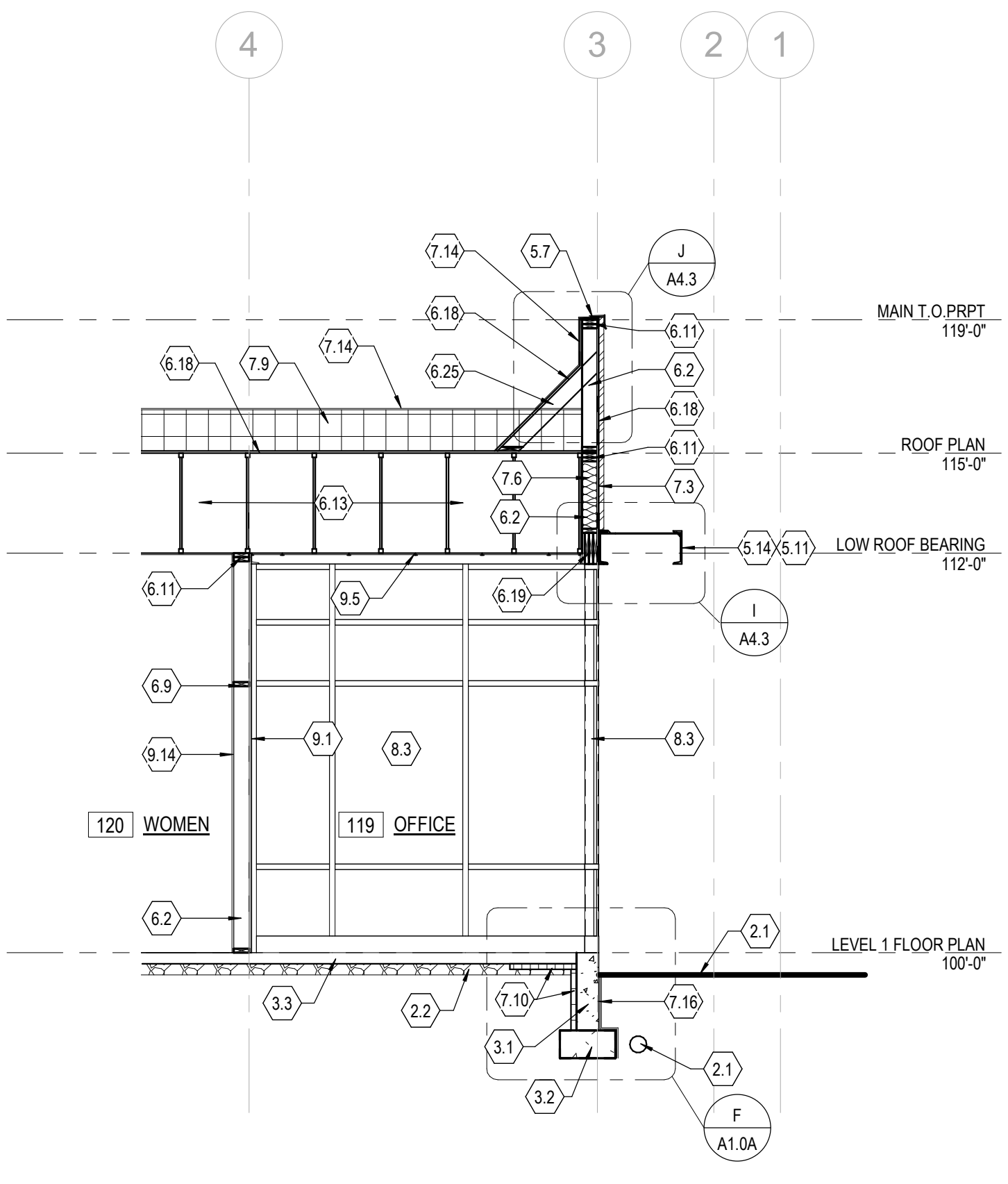
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**BLOSSOM RESTAURANT**  
BUILDING CUT SECTIONS

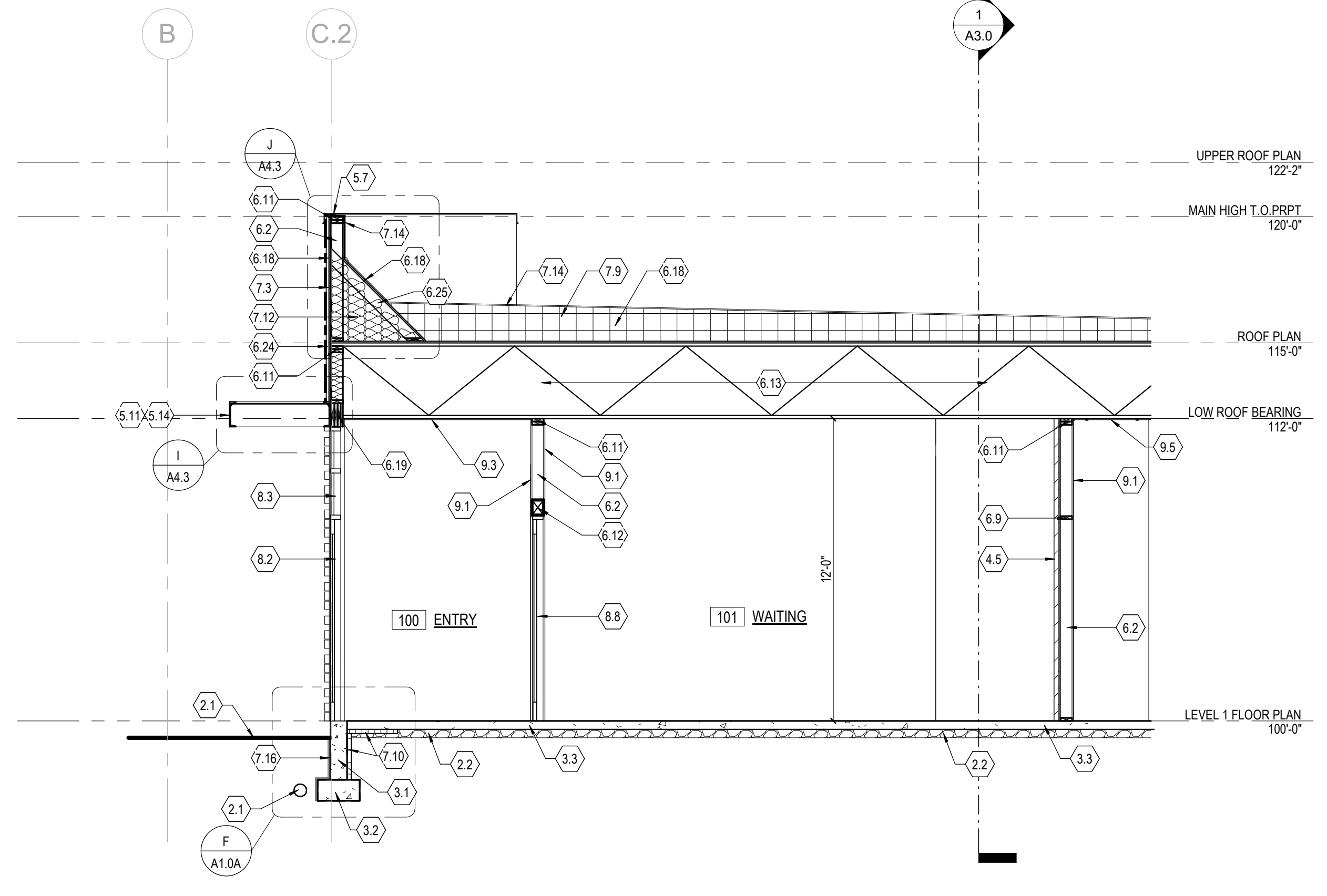
03/18/2020

A3.0

<b>SITE CONSTRUCTION</b> 21 FINISH GRADE - SLOPE AWAY 1/2 INCH PER FOOT MIN. 22 ENGINEERED GRAVEL FILL - SEE STRUCT. & GEOTECH. 23 PERFORATED DRAIN PIPE AT PERIMETER - SEE CIVIL & GEOTECH.	67 PREFINISHED ALUMINUM PARAPET CAP 68 PREFINISHED METAL FLASHING 69 PREFINISHED ALUM. FASCIA, SOFFIT (VENTED @ PITCHED ROOFS), GUTTERS, & DOWNSPOUTS (DOWNSPOUTS DRAIN TO MEMBRANE ROOF BELOW) WHERE POSSIBLE	10 WOOD BEAM / HEADER - SEE STRUCT DRAWINGS 11 PRE MANUFACTURED WOOD TRUSSES - SEE STRUCTURAL FOR SPACING. SEE ALSO TRUSS MFGFR. 12 TRUSS BLOCKING - SEE STRUCT. 13 WOOD SHEATHING - SEE STRUCT. FOR TYPE AND THICKNESS 14 WOOD BEAM - SEE STRUCTURAL DRAWINGS 15 WOOD COLUMN - SEE STRUCT. 16 2x FASCIA BOARD 17 1x4 CLEAR CEDAR WOOD SIDING OVER C CHANNELS 18 1x8 CLEAR CEDAR WOOD SIDING OVER C CHANNELS 19 PARAPET BRACING AS REQUIRED - SEE STRUCTURAL 20 2x6 RIFT CUT WHITE OAK EQUALLY SPACED 21 2x8 RIFT CUT WHITE OAK 22 2x12 RIFT CUT WHITE OAK 23 SUSPENDED WOOD CEILING SEE DETAIL N44.3	<b>KEY NOTES</b> <b>THERMAL &amp; MOISTURE</b> 71 EXTERIOR INSULATION & FINISH SYSTEM (EIFS) - SEE SHEET A4.6 & A4.8A FOR THICKNESS 72 AIR BARRIER - TYVEK COMMERCIAL WRAP "D" OR APPROVED EQUAL. (TAPE AND SEAL SEAMS & PENETRATIONS) TYP. AT EXTERIOR WALLS. (AT GENERAL CONTRACTOR'S OPTION, A FLUID APPLIED AIR BARRIER MAY BE USED IN LIEU) 73 BATT INSULATION - R19 74 POLYISO ROOF INSULATION (6" MIN.) 75 BATT INSULATION - FILL VOID OF JOIST R49 MIN. - SEE COMCHECK 76 PVC ROOF MEMBRANE - (CLASS B RATED) EQUAL TO SIKA SARNAFIL (EPDM ALTERNATE - EQUAL TO CARLISLE SYNTEC SYSTEMS)	<b>FINISHES</b> 81 5/8" TYPE "X" GYP BOARD 82 5/8" TYPE "X" GYP BOARD CEILING 83 ACOUSTIC TILE ON SUSPENDED SYSTEM - REVEAL EDGE FOR INSTALLATION DETAILS 84 6x24 DAL TILE - SEE EXTERIOR FINISH SCHEDULE (SEE MFGFR FOR INSTALLATION DETAILS) 85 6x24 DAL TILE BRICK COARSE - SEE EXTERIOR FINISH SCHEDULE (SEE MFGFR FOR INSTALLATION DETAILS) 86 3 FORM PANEL TYP - SEE FINISH SCHEDULE 87 WALL TILE - SEE FINISH SCHEDULE
<b>CONCRETE</b> 11 CONCRETE FOUNDATION WALL - SEE STRUCTURAL DRAWINGS. 12 CONCRETE FOOTING - SEE STRUCTURAL DRAWINGS. 13 4" REINFORCED CONCRETE SLAB - SEE STRUCT. DWGS. 14 6" REINFORCED CONCRETE SLAB - SEE STRUCT. DWGS.	<b>MASONRY</b> 45 STONE ACCENT WALL - SEE FINISH SCHEDULE	<b>METALS</b> 62 STEEL TUBE (PAINTED, U.O.N.) - SEE STRUCTURAL DWGS. 63 STEEL GUARDRAIL (POWDER COATED AT EXTERIOR LOCATIONS - PAINTED AT INTERIOR LOCATIONS) +42" FROM FLOOR LINE SUCH THAT 4" SPHERE MAY NOT PASS THRU (SEE STRUCT. DWGS. FOR CALL-OUTS AND CONNECTION DETAILS)	<b>WOOD AND PLASTICS</b> 61 2x4 STUDS - SEE STRUCT. FOR SPACING 62 2x6 STUDS - SEE STRUCT. FOR SPACING 63 2x TREATED PLATE - SEE STRUCT. FOR BOLT PATTERN AND SPACING 64 BLOCKING - SEE STRUCT. 65 DOUBLE - 2x TOP PLATE 48" LAP SPLICE MIN.	<b>DOORS AND WINDOWS</b> 61 HOLLOW METAL DOOR OR ENTRY SYSTEM 62 ALUMINUM ENTRY / WINDOW SYSTEM 63 ALUMINUM CURTAIN WALL WINDOW SYSTEM 64 DOOR - SEE DOOR SCHEDULE



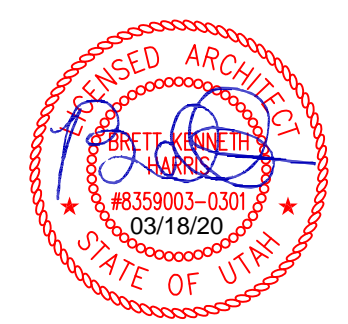
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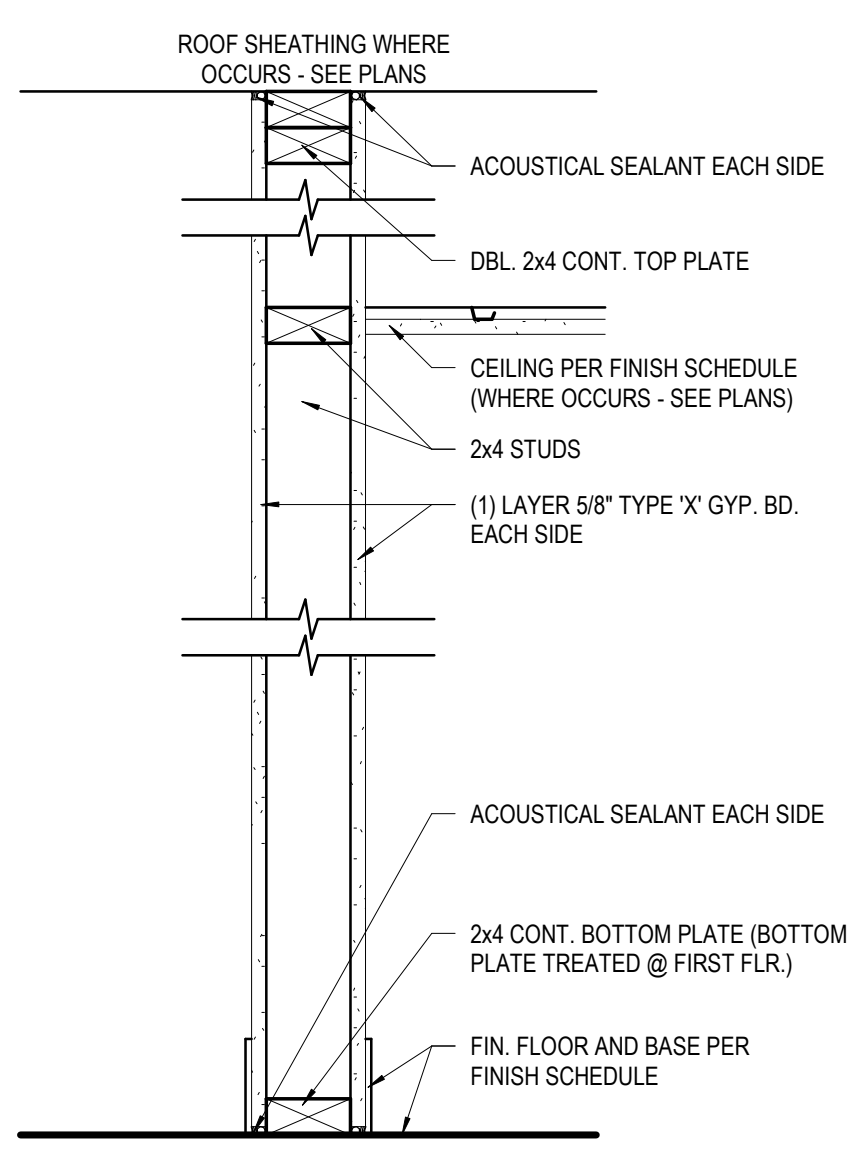
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SCALE: 1/4" = 1'-0"

- BUILDING SECTION GENERAL NOTES:**
- FOR SOUND INSULATION AT INTERIOR WALLS SEE FLOOR PLANS AND WALL TYPES SHEET A3.2.
  - PROVIDE / MAINTAIN 30" MINIMUM FROST DEPTH CLEARANCE FROM TOP OF GRADE TO BOTTOM OF FOOTING - SEE STRUCTURAL FOR EXACT HEIGHTS OF FOUNDATION WALLS.
  - GENERAL CONTRACTOR AND FRAMING SUB-CONTRACTOR TO ADJUST FLOOR AND ROOF FRAMING MEMBERS TO ALLOW FOR ROOF HATCHES, ETC.
  - STEEL FABRICATOR TO PROVIDE WOOD BLOCKING ATTACHED TO STEEL BEAMS WHERE NECESSARY - COORDINATE WITH FRAMING PLANS AND SECTIONS.
  - COORDINATION MUST BE MADE BETWEEN TRUSS MFGFR AND STEEL FABRICATOR TO VERIFY THE TOP OF STEEL ELEVATIONS AS THEY RELATE TO TRUSS BEARING.
  - FINISH FLOORING NOT SHOWN ON CROSS SECTIONS - REFER TO FLOOR PLAN AND FINISH SCHEDULE FOR LOCATIONS.

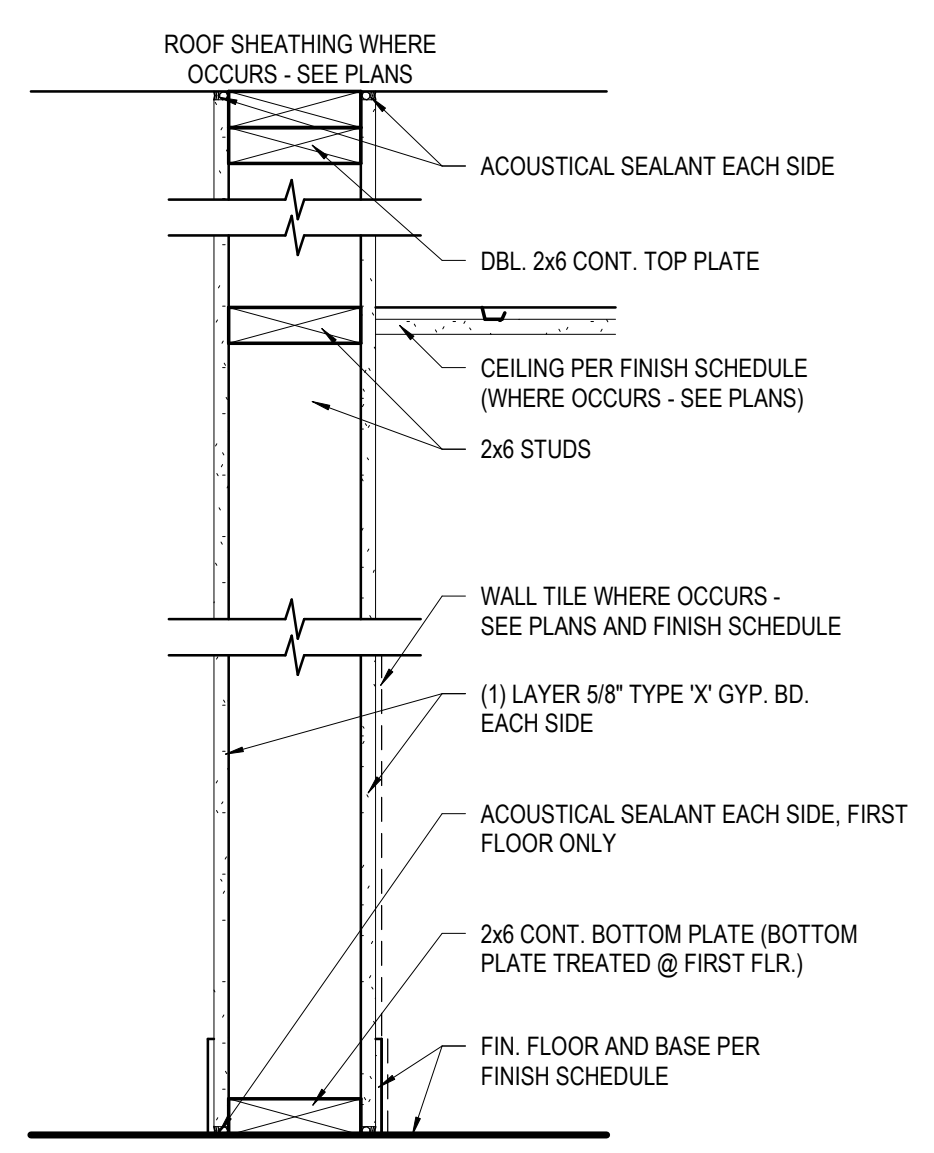
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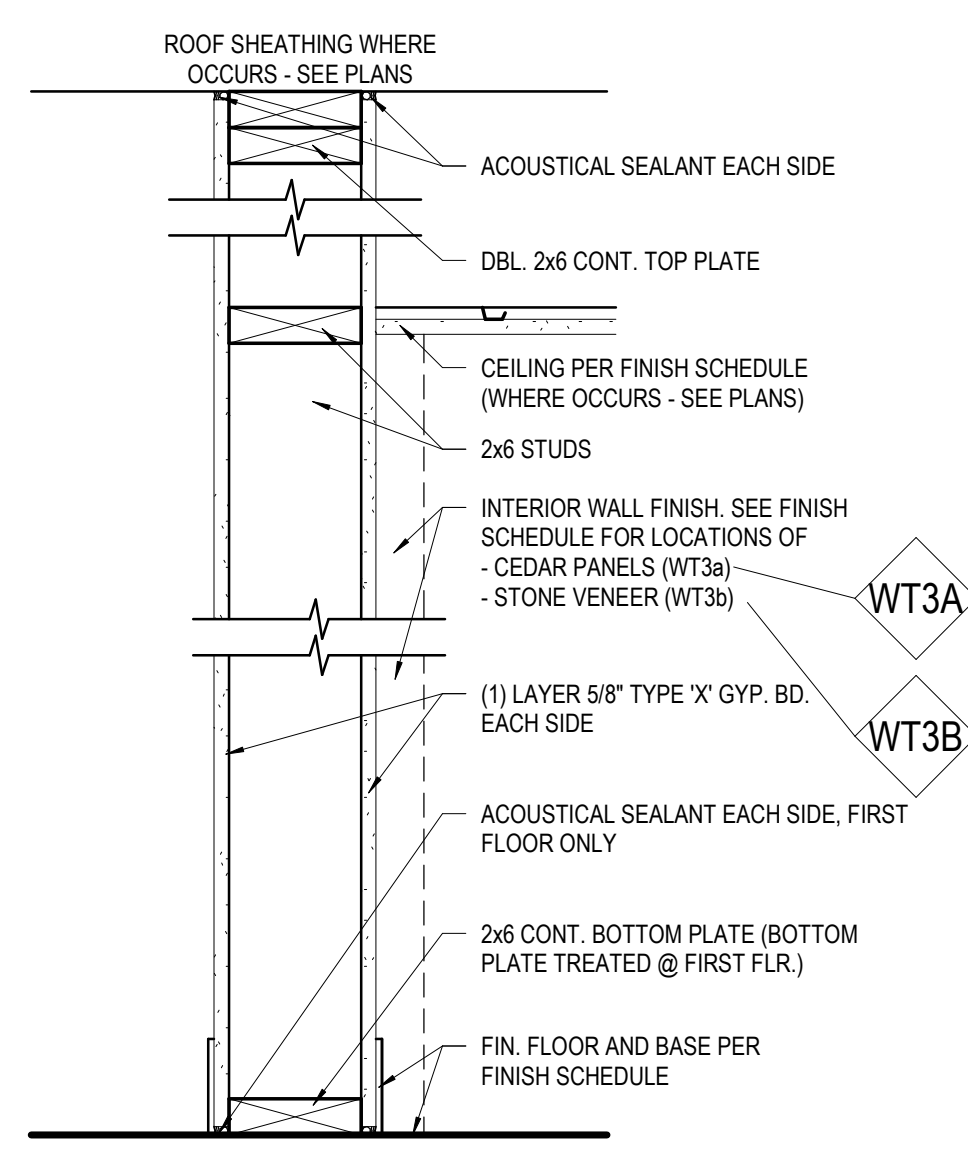
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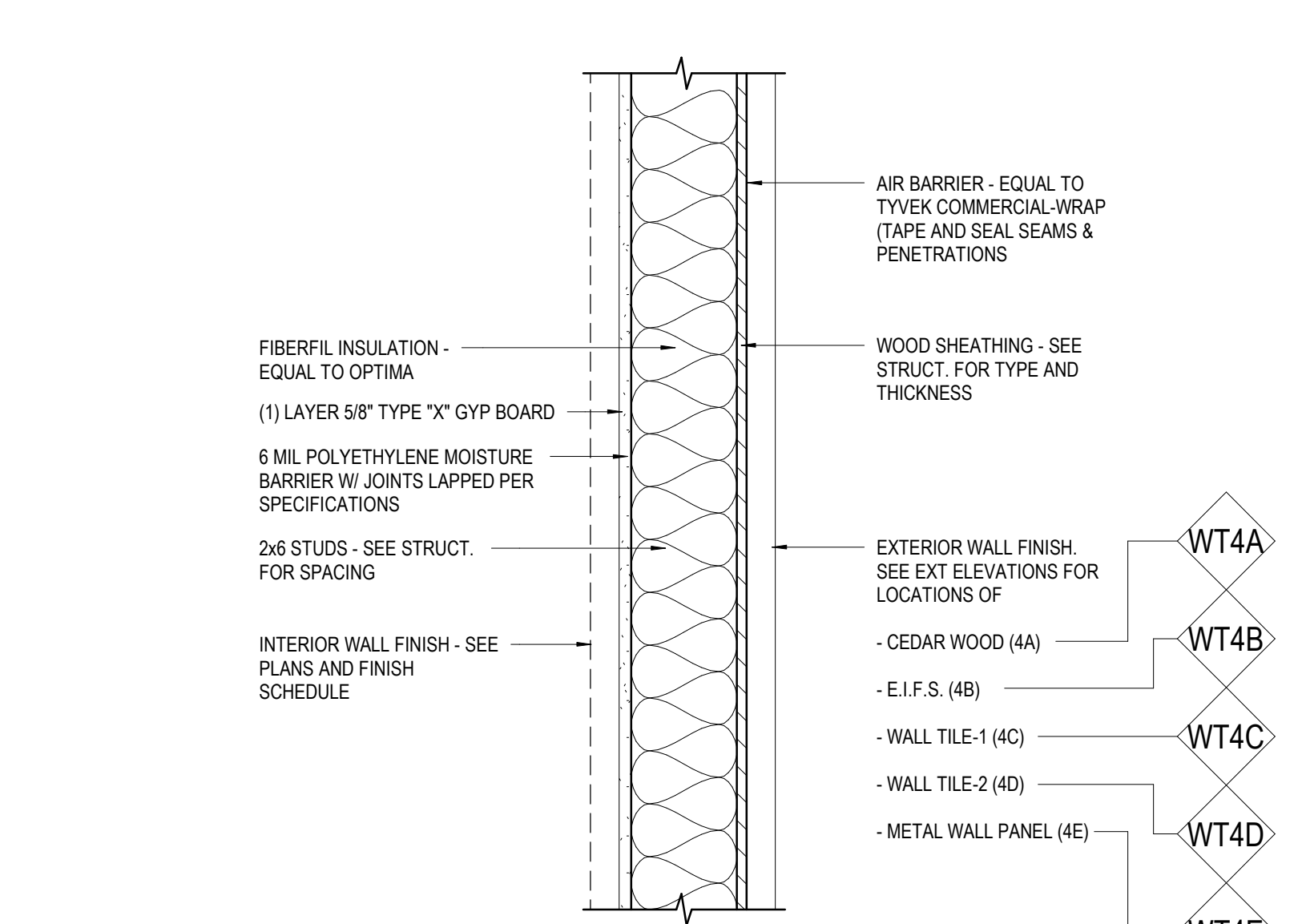
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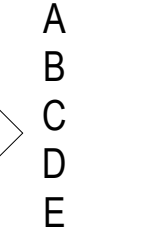
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**PARTITION TYPE:**  
 INTERIOR PARTITION NON-RATED  
 SCALE: 1.1/2" = 1'-0"  
 UL DESIGN NO.:  
 GA FILE NO.: WP 3510



**PARTITION TYPE:**  
 EXTERIOR WALL - NON-RATED  
 SCALE: 1.1/2" = 1'-0"  
 UL DESIGN NO.:  
 GA FILE NO.:



- WALL TYPE NOTES:**
- SEE STRUCTURAL DRAWINGS AND CALCULATIONS FOR SPACING, GRADE AND SPECIES OF LUMBER.
  - SEE FINISH PLANS FOR BASE AND OTHER INTERIOR FINISHES.
  - PROVIDE FIREBLOCKING IN CONCEALED ROOF AND WALL AREAS AS PER IBC SECTION 717.
  - PROVIDE WATER RESISTANT GYPSUM BOARD AT ALL BATHROOM WET WALL LOCATIONS.
  - CEILING TYPES, HEIGHTS AND LOCATIONS MAY VARY - VERIFY EXACT CEILING FINISHES W/ REFLECTED CEILING PLANS.

- STRUCTURAL SHEATHING NOTES:**
- WALL DETAILS DO NOT SHOW ANY POTENTIALLY REQUIRED STRUCTURAL SHEATHING - SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS AND INCLUDE ANY REQUIRED SHEATHING.
  - ANY TILE WAINSCOTING AT WALLS IS NOT SHOWN ON WALL DETAILS - REFER TO FINISH PLANS FOR LOCATIONS.

REVISIONS	
#	Description

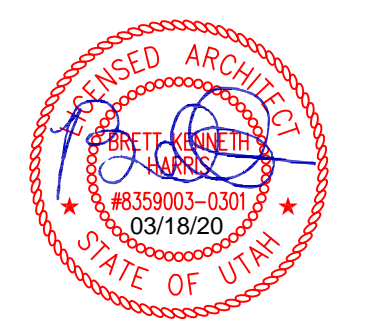
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**BLOSSOM RESTAURANT**  
 WALL TYPES / DETAILS

03/18/2020

**A3.2**





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DOOR SCHEDULE

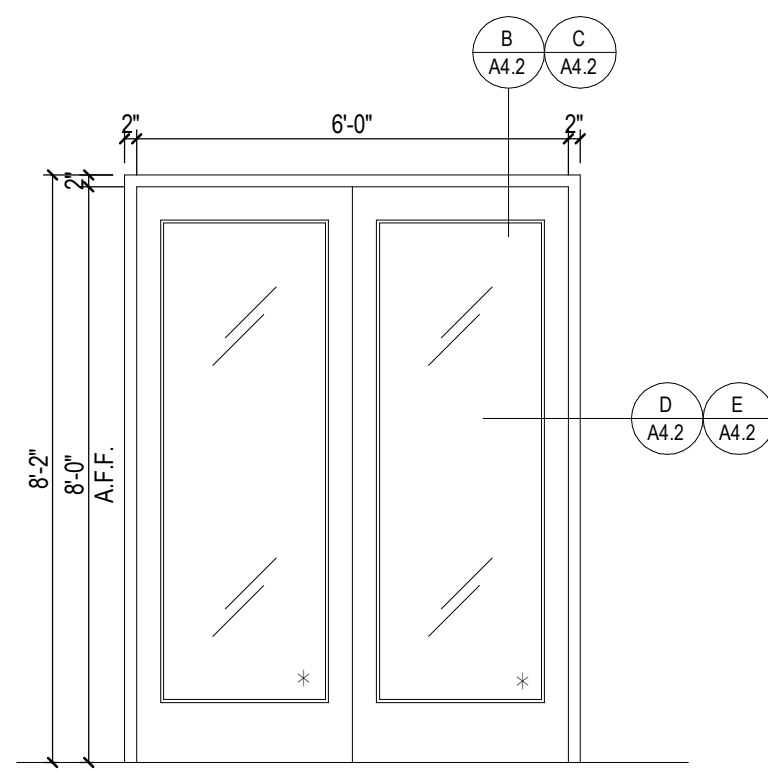
MARK	DETAIL #	DOOR SIZE	DOOR MATERIAL	FRAME TYPE	GLASS TYPE	HARDWARE	FINISH	FIRE RATING PER MIN	REMARKS
100	D1	PR 3'-0"x8'-0"x1 3/4"	ALUMINUM	ALUMINUM	TEMP	A,F,G,H,I,L,O	FACTORY PAINTED		ALUM. STOREFRONT SYSTEM (PREFINISHED)
101	D1	PR 3'-0"x8'-0"x1 3/4"	ALUMINUM	ALUMINUM	TEMP	A,G,I,L	FACTORY PAINTED		DOUBLE DOOR
102	D1	PR 3'-0"x8'-0"x1 3/4"	ALUMINUM	ALUMINUM	TEMP	A,F,G,H,I,L,O	FACTORY PAINTED		ALUM. STOREFRONT SYSTEM (PREFINISHED)
105A	D3	PR 5'-0"x8'-0"x1 3/4"	WOOD			R,U,V	STAIN		BARN DOOR W/ SHOJI SCREEN
105B	D2	3'-0"x8'-0"x1 3/4"	HOLLOW METAL	HOLLOW METAL		A,B,F,G,H,I	PAINT		FLUSH H.M. FRAME
106	D4	3'-0"x7'-0"x1 3/4"	HOLLOW METAL	HOLLOW METAL		A,C,G,I,N	PAINT		FLUSH H.M. FRAME
107	D4	2'-0"x7'-0"x1 3/4"	HOLLOW METAL	HOLLOW METAL		A,B,G,I,N	PAINT		FLUSH H.M. FRAME
112	D2	4'-0"x8'-0"x1 3/4"	HOLLOW METAL	HOLLOW METAL		A,B,F,G,H,I	PAINT		FLUSH H.M. FRAME
116	D5	3'-0"x7'-0"x1 3/4"	WOOD	WOOD		A,D,G,I,S	PLASTIC LAMINATE		
117	D5	3'-0"x7'-0"x1 3/4"	WOOD	WOOD		A,B,G,I,N	PLASTIC LAMINATE		
118	D2	3'-0"x8'-0"x1 3/4"	HOLLOW METAL	HOLLOW METAL		A,B,G,H,I,N	PAINT		FLUSH H.M. FRAME
119	D5	3'-0"x7'-0"x1 3/4"	WOOD	WOOD		A,B,G,I,N	PLASTIC LAMINATE		
120	D5	3'-0"x7'-0"x1 3/4"	WOOD	WOOD		A,G,I,L,T	PLASTIC LAMINATE		
121	D4	3'-0"x7'-0"x1 3/4"	HOLLOW METAL	HOLLOW METAL		A,B,G,I,N	PAINT		FLUSH H.M. FRAME
122	D5	3'-0"x7'-0"x1 3/4"	WOOD	WOOD		A,G,I,L,T	PLASTIC LAMINATE		

HARDWARE CODE:

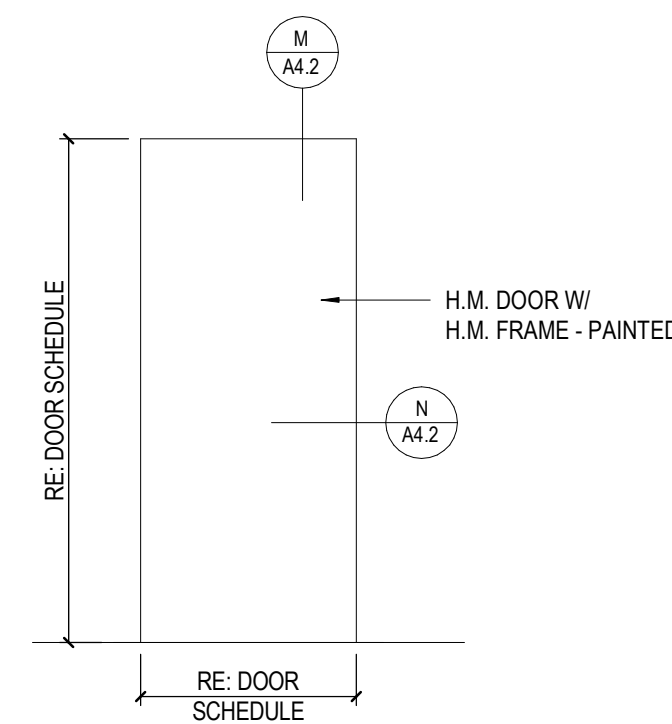
- A. HINGES
- B. LOCK SET - LEVER HANDLE
- C. PASSAGE SET - LEVER HANDLE
- D. PRIVACY SET - LEVER HANDLE
- E. DEAD BOLT
- F. PANIC HARDWARE
- G. CLOSER
- H. WEATHERSTRIP AND SILL
- I. STOP
- J. HEAD AND FOOT BOLTS (AUTOMATIC ACTING)
- K. SMOKE SEAL AND SWEEP
- L. PUSH-PULLS (PULL ONLY @ PANIC HARDWARE DOORS)
- M. DOUBLE ACTION HINGE (180 DEG.)
- N. MAGNETIC HOLD OPEN DEVICE
- O. CYLINDER LOCK
- P. HEAD AND FOOT BOLTS - MANUAL
- Q. DUMMY KNOBS & ROLLING LATCHES
- R. SLIDING DOOR HARDWARE
- S. SOUND GASKETS - ALL 4 SIDES
- T. KICK PLATE
- U. REQ. HARDWARE T.B.D. BY OWNER
- V. CUSTOM DOOR HARDWARE BY MANUFACTURER

ADDITIONAL NOTES

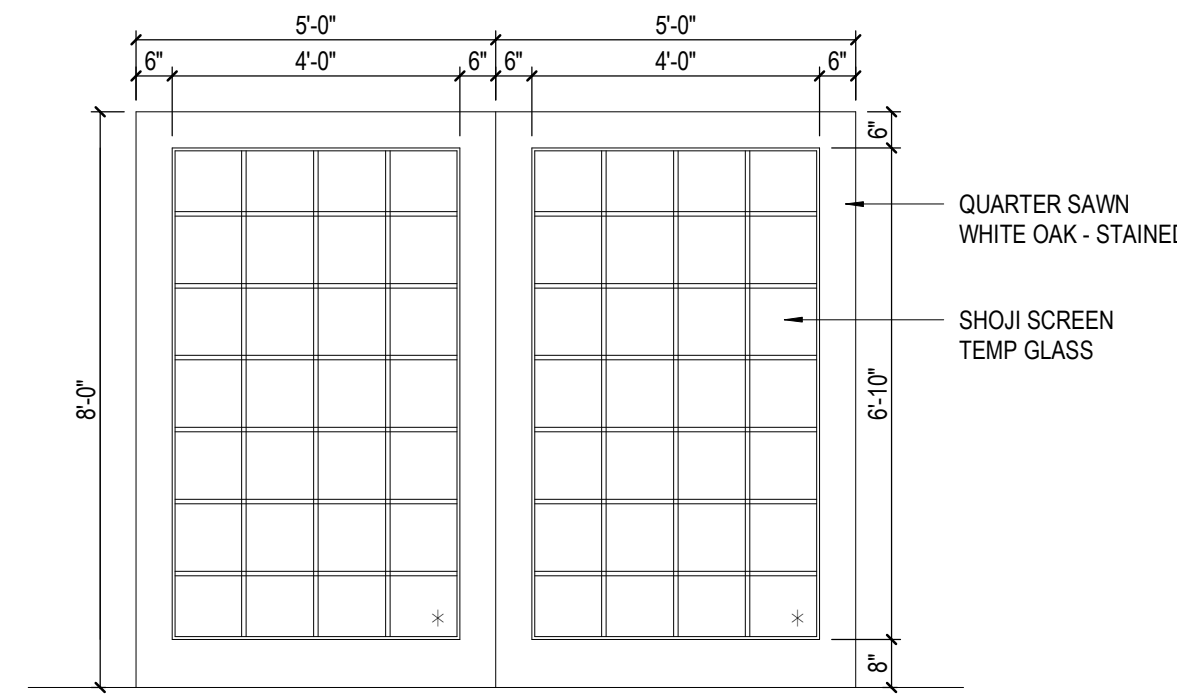
1. ALUMINUM ENTRY / STOREFRONT SYSTEM TO BE KAWNEER 450 SERIES OR AN APPROVED EQUAL.
2. ALL HARDWARE TO BE SCHLAGE MEDIUM GRADE OR AN APPROVED EQUAL.
3. HARDWARE FINISH TO BE BRUSHED STAINLESS - CONTRACTOR TO VERIFY WITH OWNER.
4. ALL DOORS AND HARDWARE TO COMPLY WITH ANSI A117.1-404.
5. PANIC HARDWARE IN ACCORDANCE WITH ALL APPLICABLE CODES TO MATCH STOREFRONT.
6. ALL LOCKS, DOOR HANDLES, PULLS, LATCHES, AND OTHER OPERATING HARDWARE IS REQUIRED TO BE LOCATED BETWEEN 34" MIN. AND 48" MAX. A.F.F.
7. GLAZING TO BE LOW "E" ON ALL SIDES - CLEAR (TYPICAL)



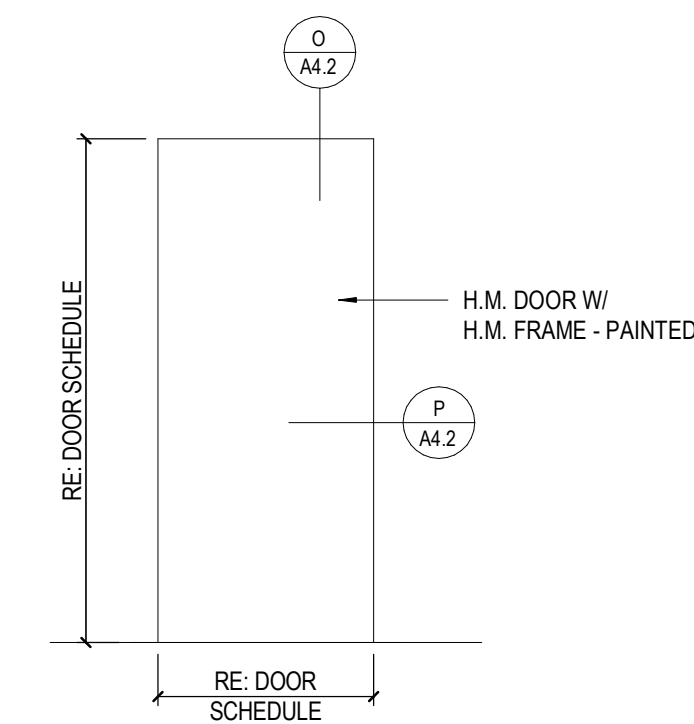
1 DOOR DETAIL TYPE D1  
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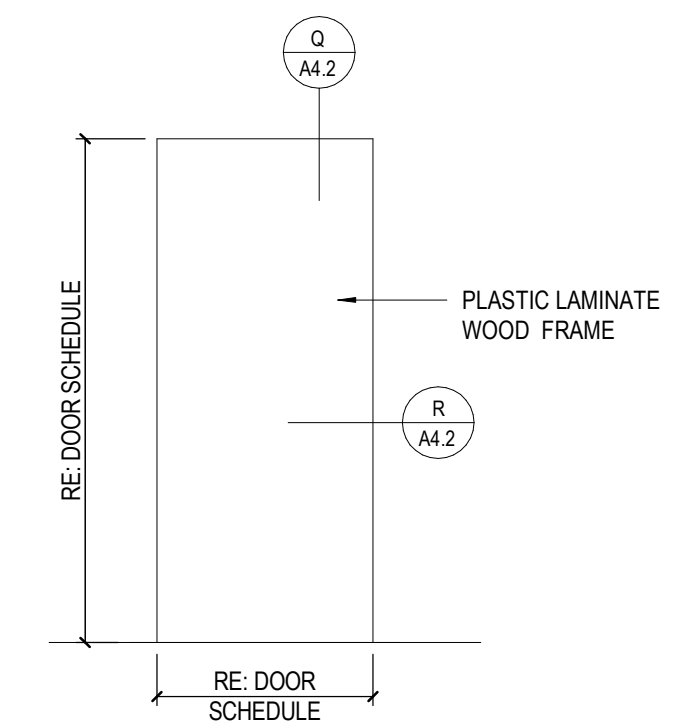
2 DOOR DETAIL TYPE D2  
 EXTERIOR SCALE: 3/8" = 1'-0"



3 DOOR DETAIL TYPE D3  
 INTERIOR SCALE: 3/8" = 1'-0"



4 DOOR DETAIL TYPE D4  
 INTERIOR SCALE: 3/8" = 1'-0"



5 DOOR DETAIL TYPE D5  
 INTERIOR SCALE: 3/8" = 1'-0"

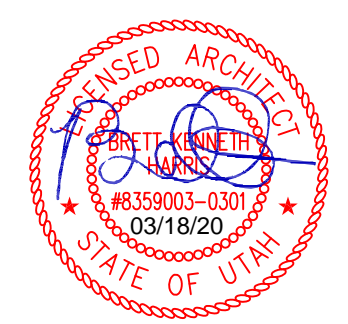
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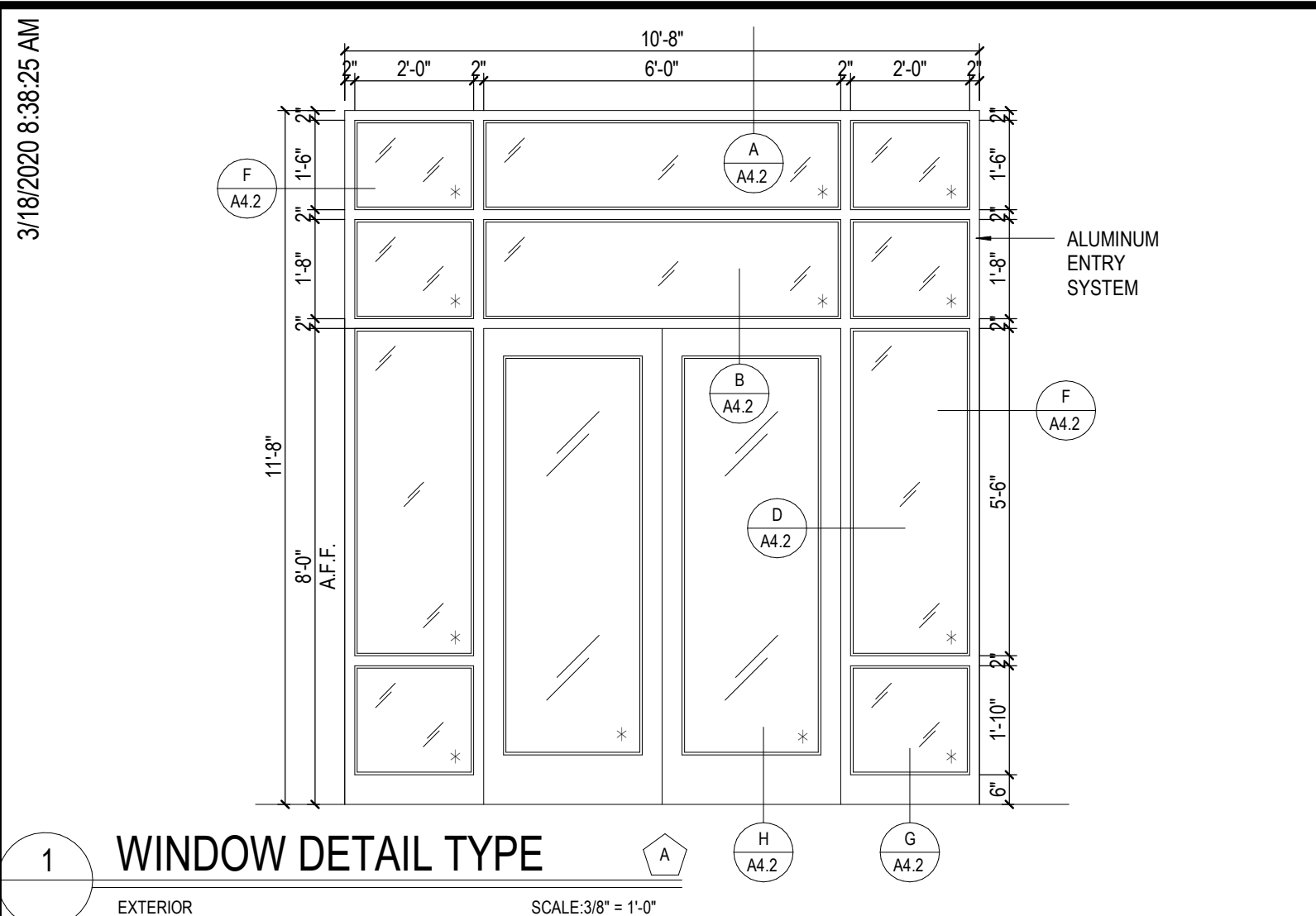
**BLOSSOM RESTAURANT**  
 DOOR SCHEDULE AND DETAILS



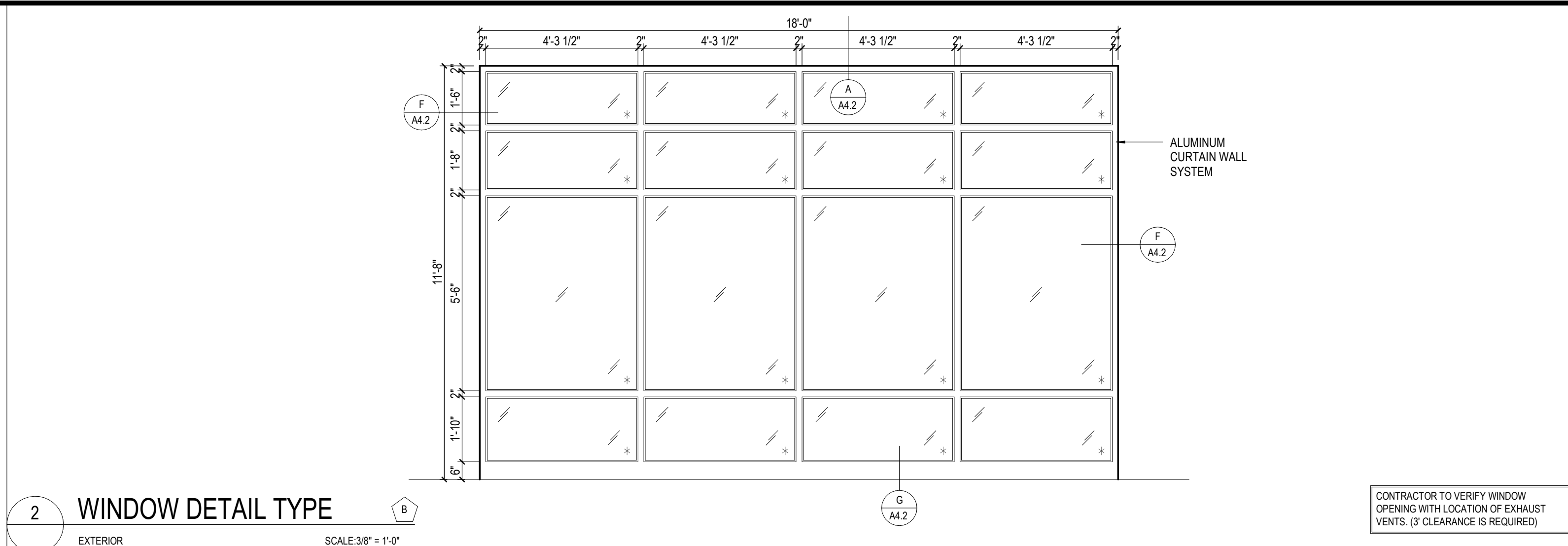
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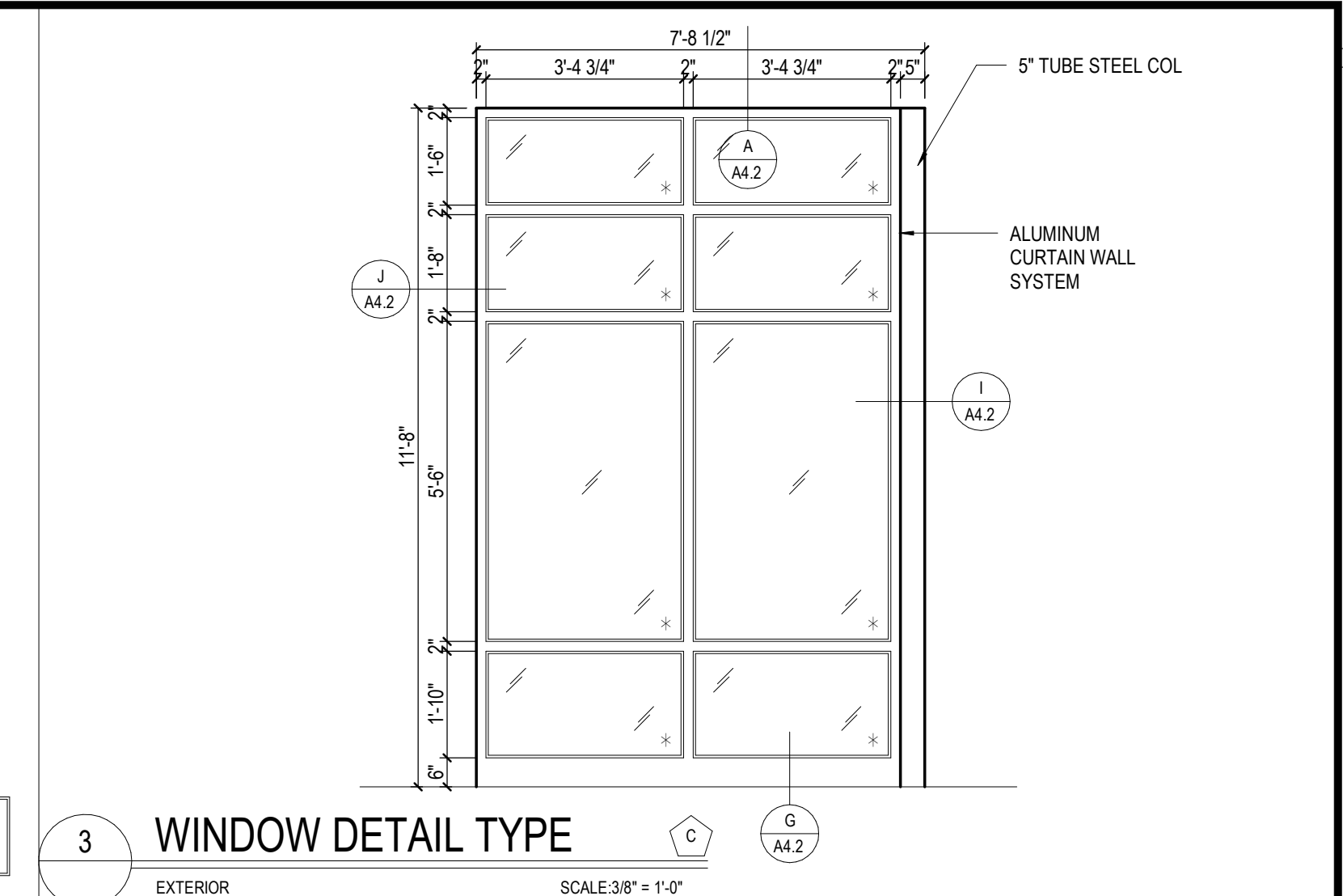
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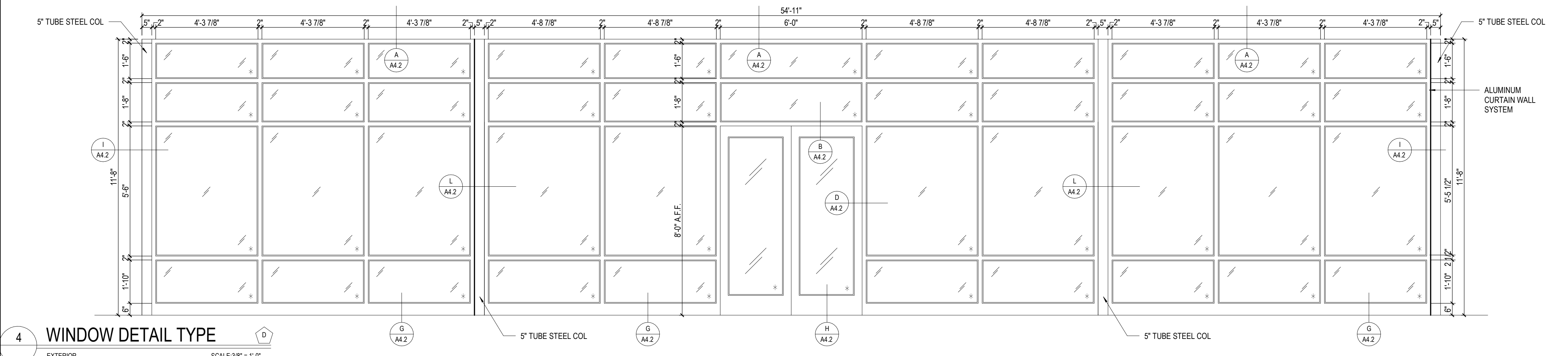
**1 WINDOW DETAIL TYPE**  
EXTERIOR SCALE: 3/8" = 1'-0"



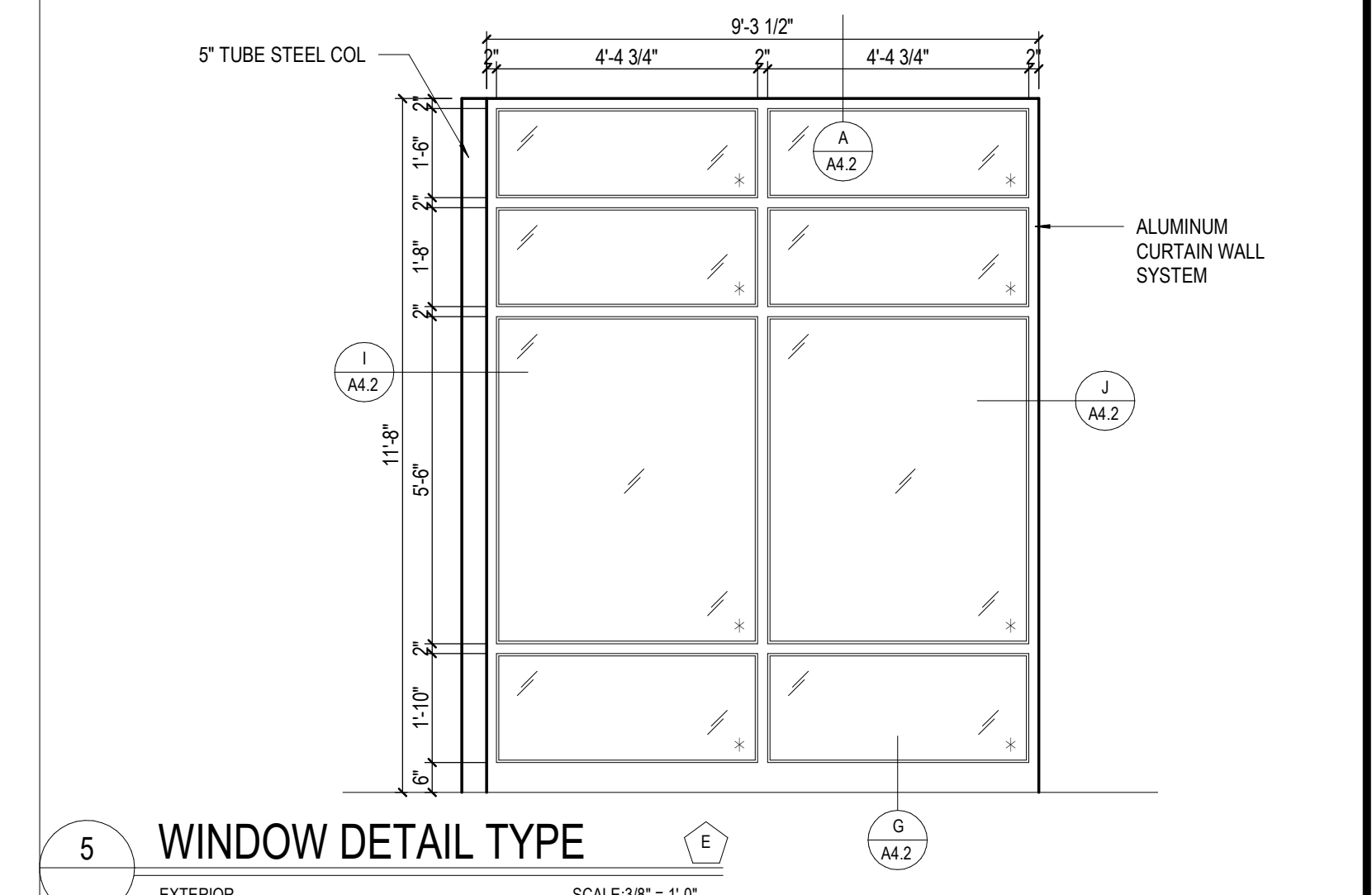
**2 WINDOW DETAIL TYPE**  
EXTERIOR SCALE: 3/8" = 1'-0"



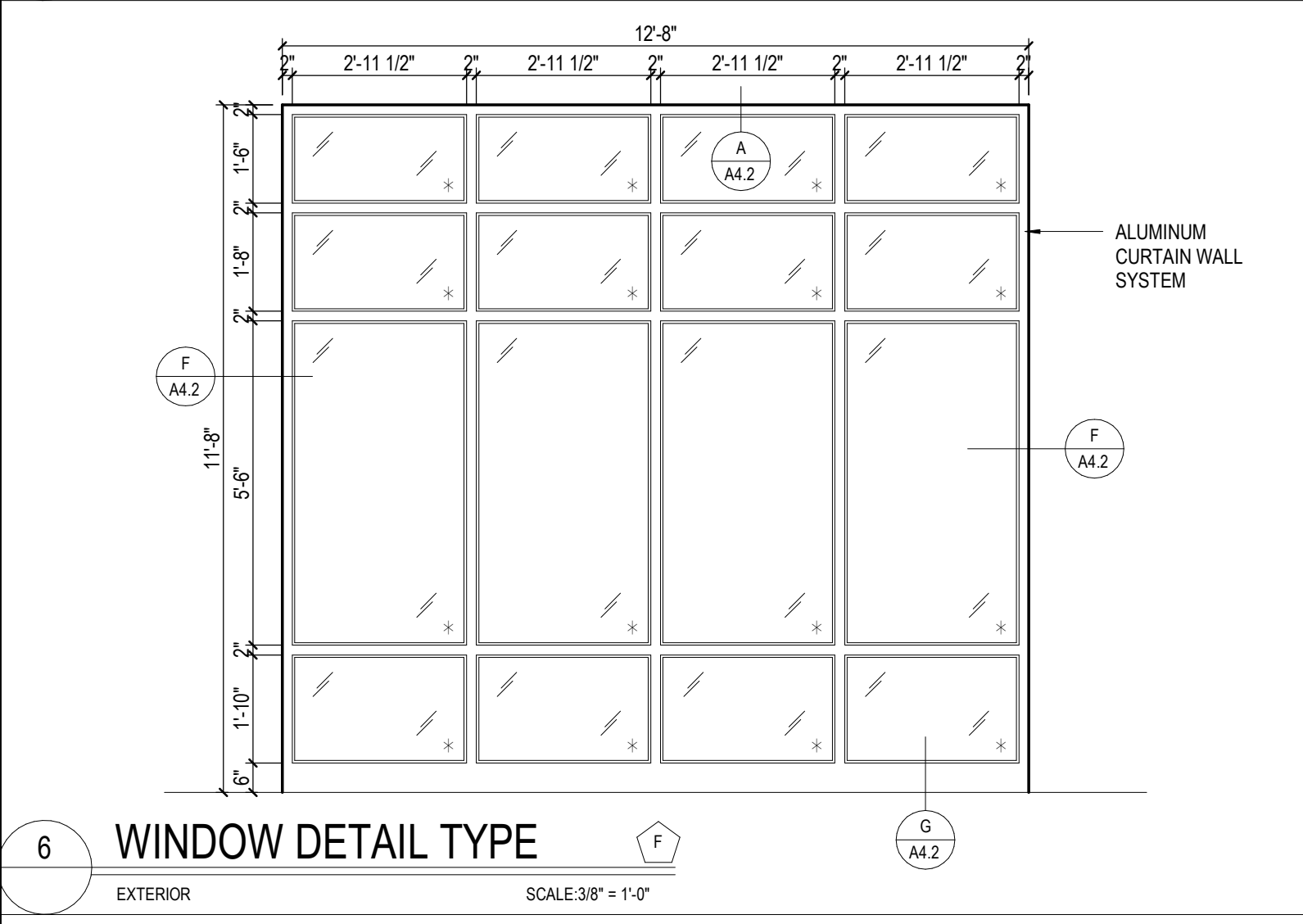
**3 WINDOW DETAIL TYPE**  
EXTERIOR SCALE: 3/8" = 1'-0"



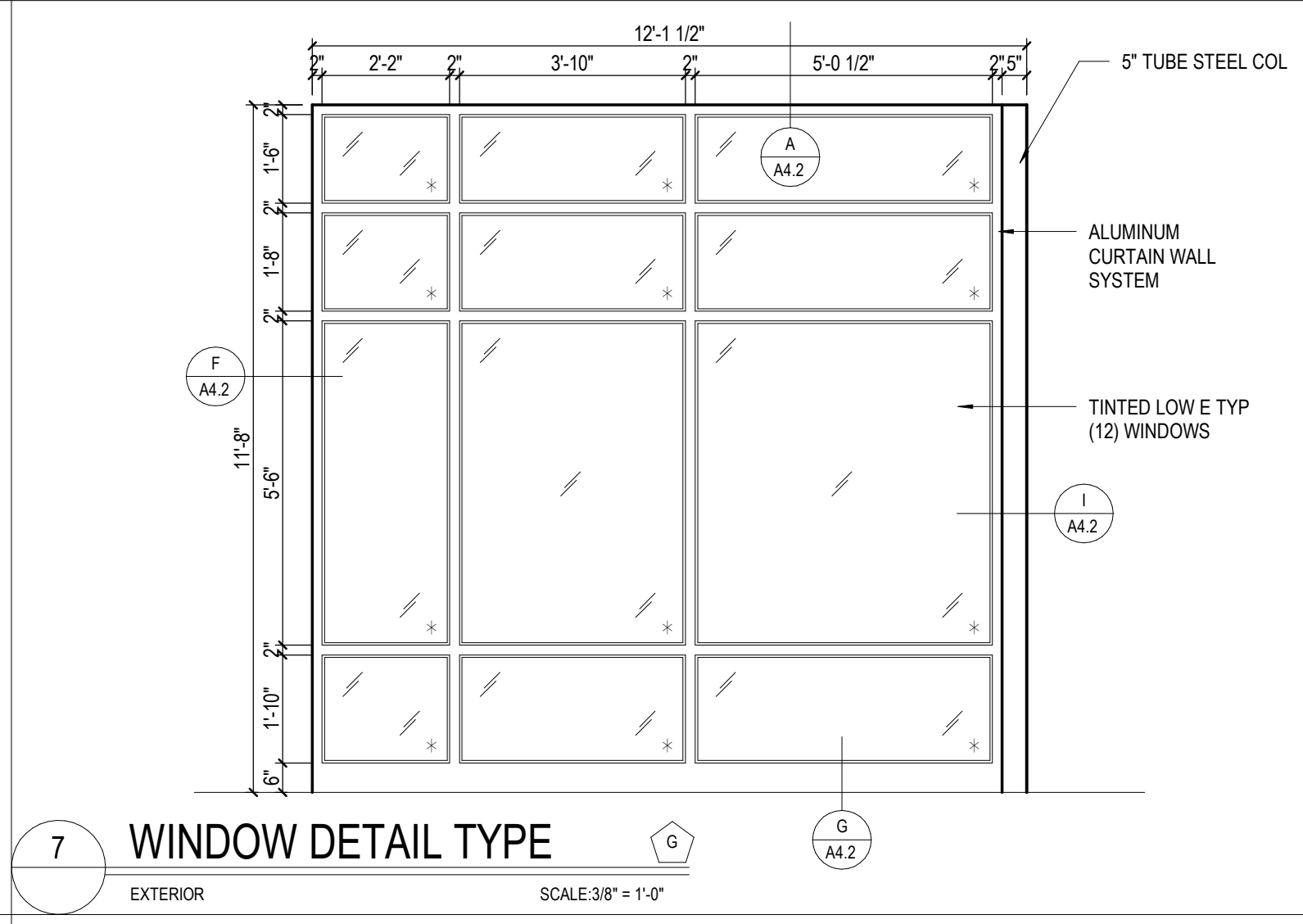
**4 WINDOW DETAIL TYPE**  
EXTERIOR SCALE: 3/8" = 1'-0"



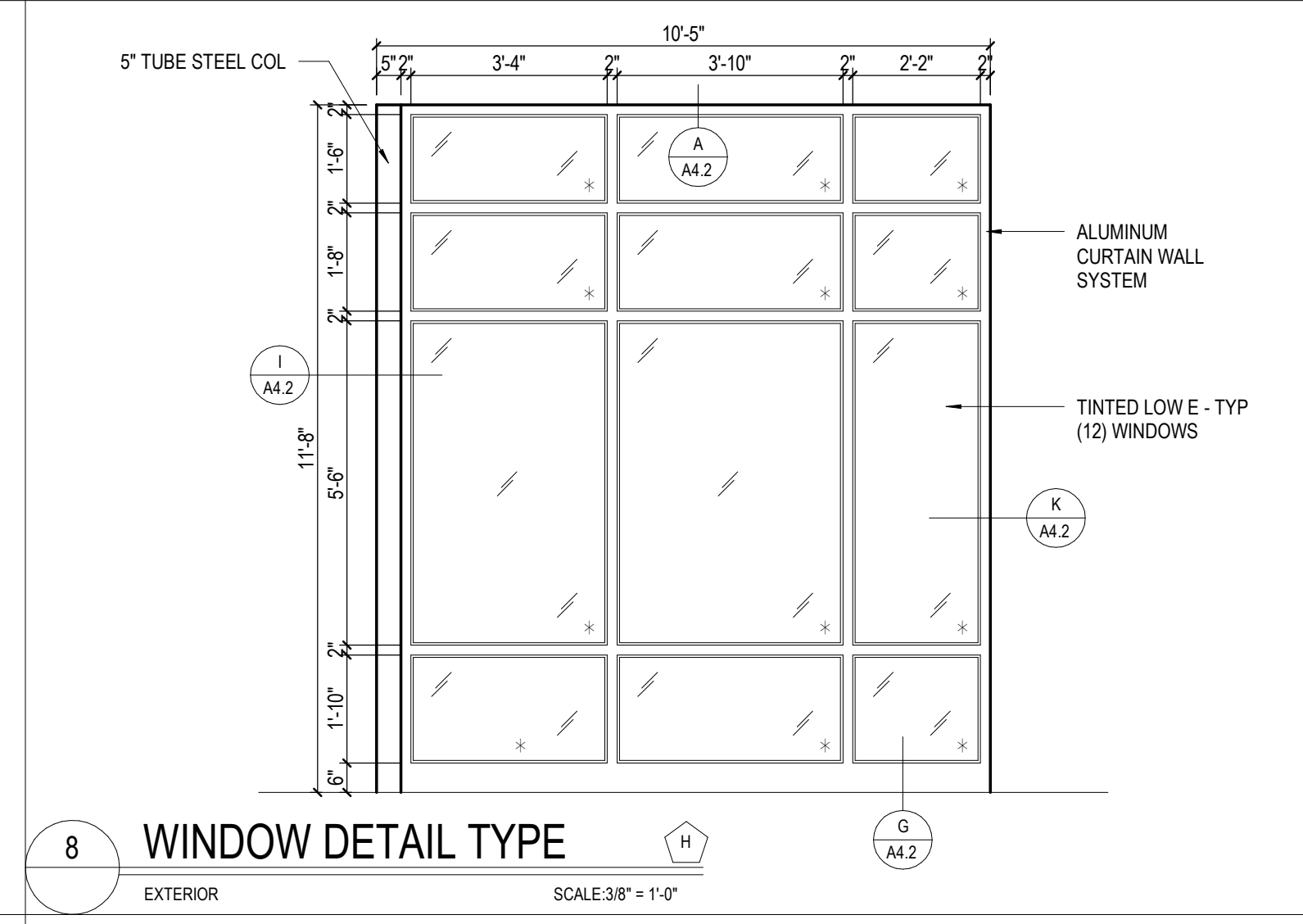
**5 WINDOW DETAIL TYPE**  
EXTERIOR SCALE: 3/8" = 1'-0"



**6 WINDOW DETAIL TYPE**  
EXTERIOR SCALE: 3/8" = 1'-0"



**7 WINDOW DETAIL TYPE**  
EXTERIOR SCALE: 3/8" = 1'-0"



**8 WINDOW DETAIL TYPE**  
EXTERIOR SCALE: 3/8" = 1'-0"

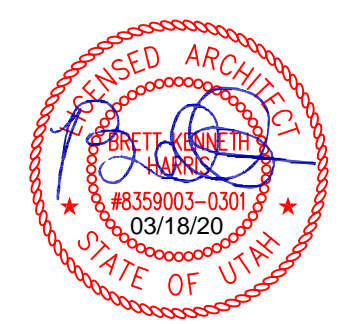
CONTRACTOR TO VERIFY WINDOW OPENING WITH LOCATION OF EXHAUST VENTS. (3' CLEARANCE IS REQUIRED)

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**BLOSSOM RESTAURANT**  
WINDOW TYPES

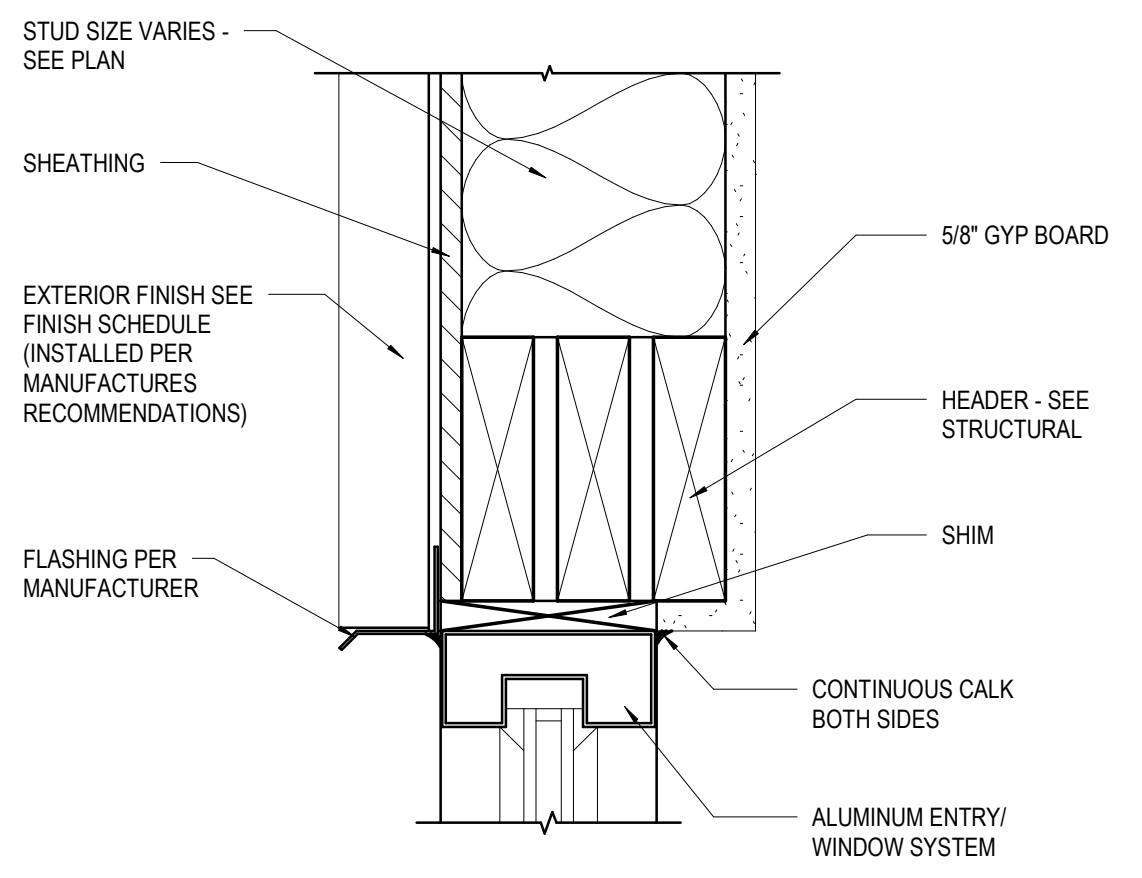


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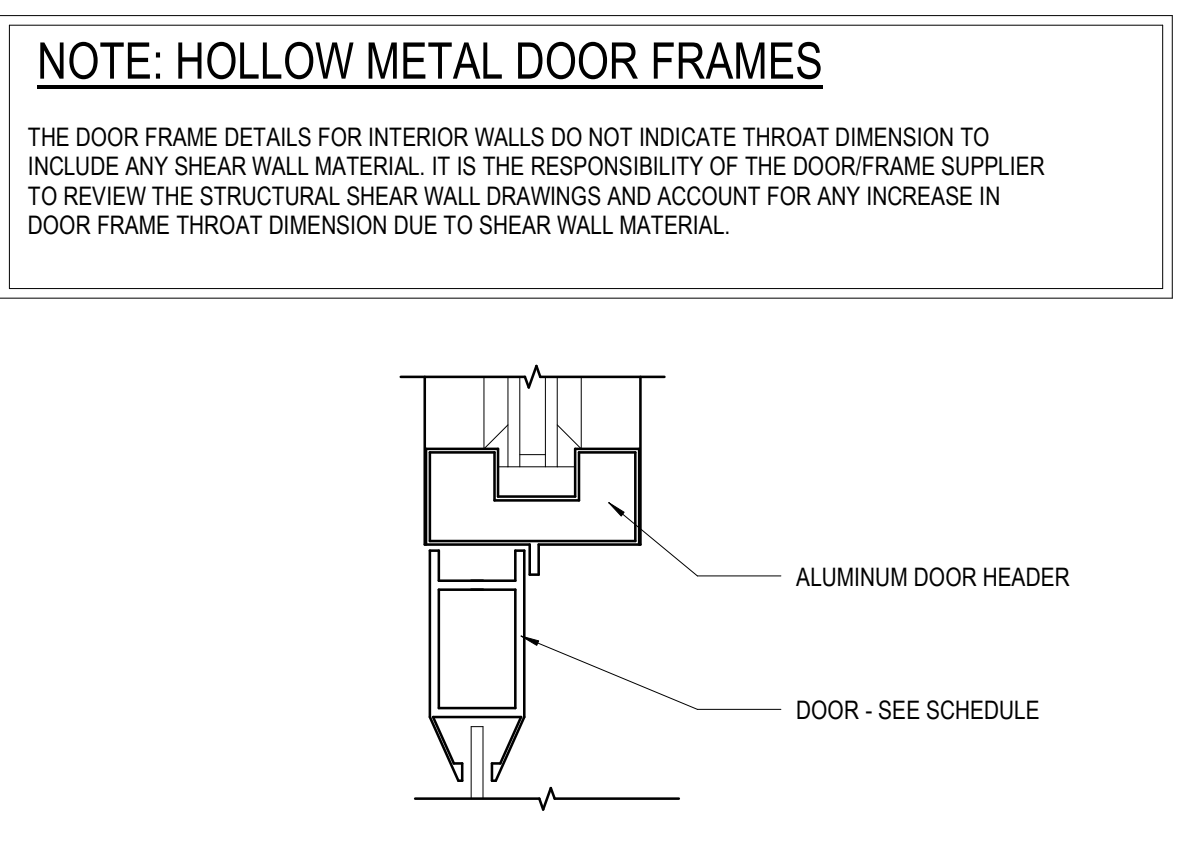
A4.1

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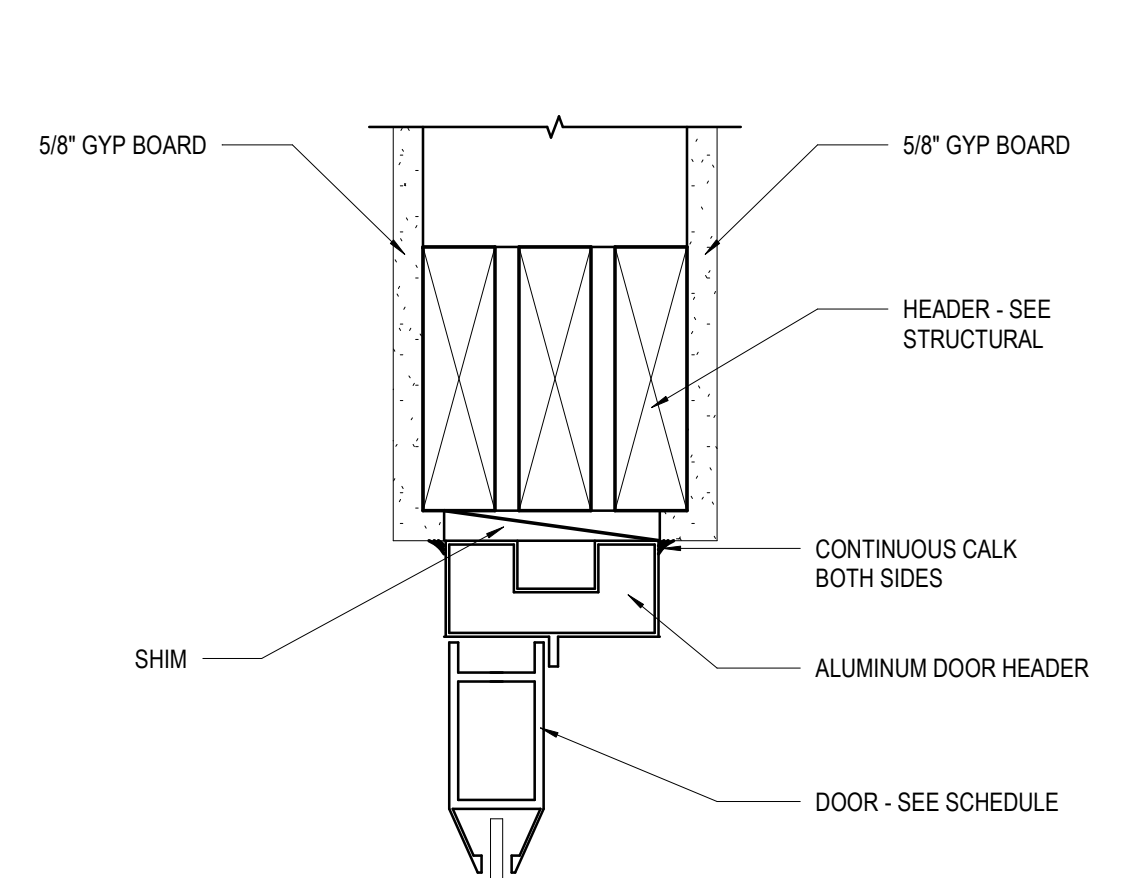
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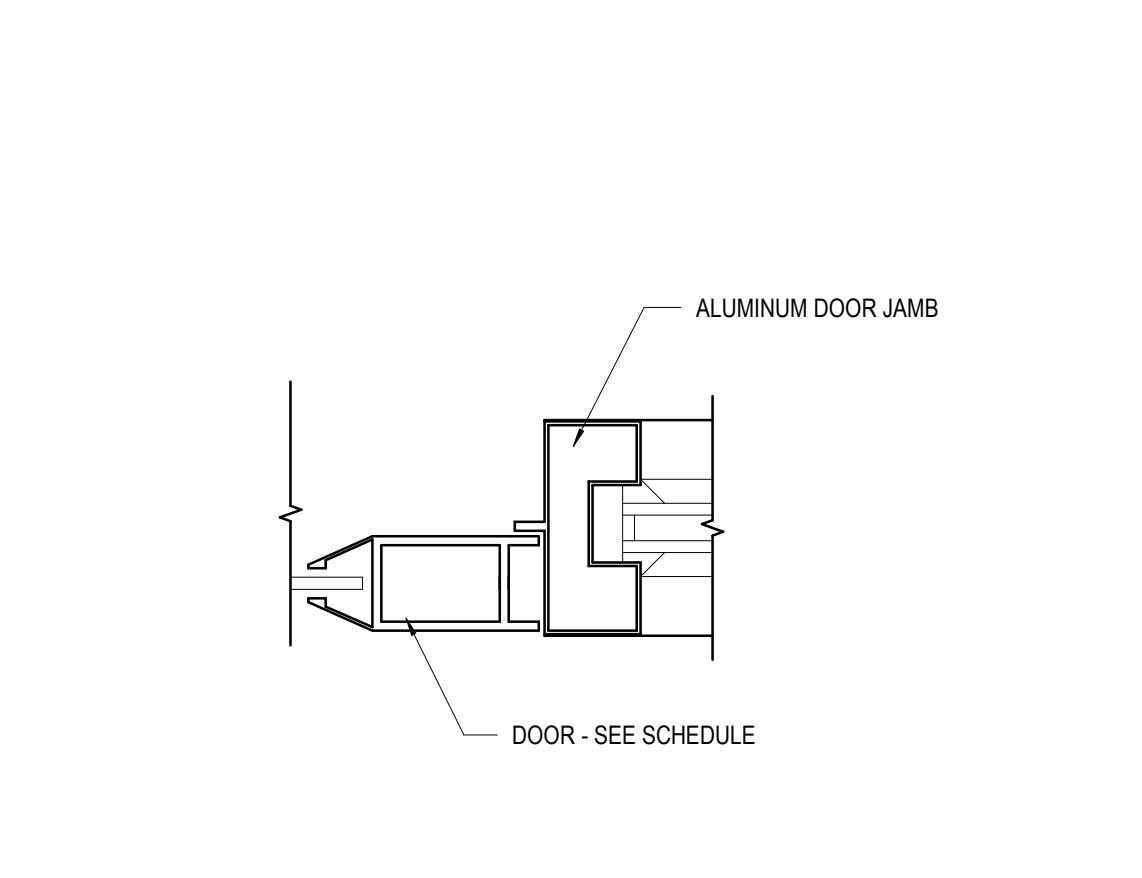
**A HEAD DETAIL**  
SCALE: 3" = 1'-0"



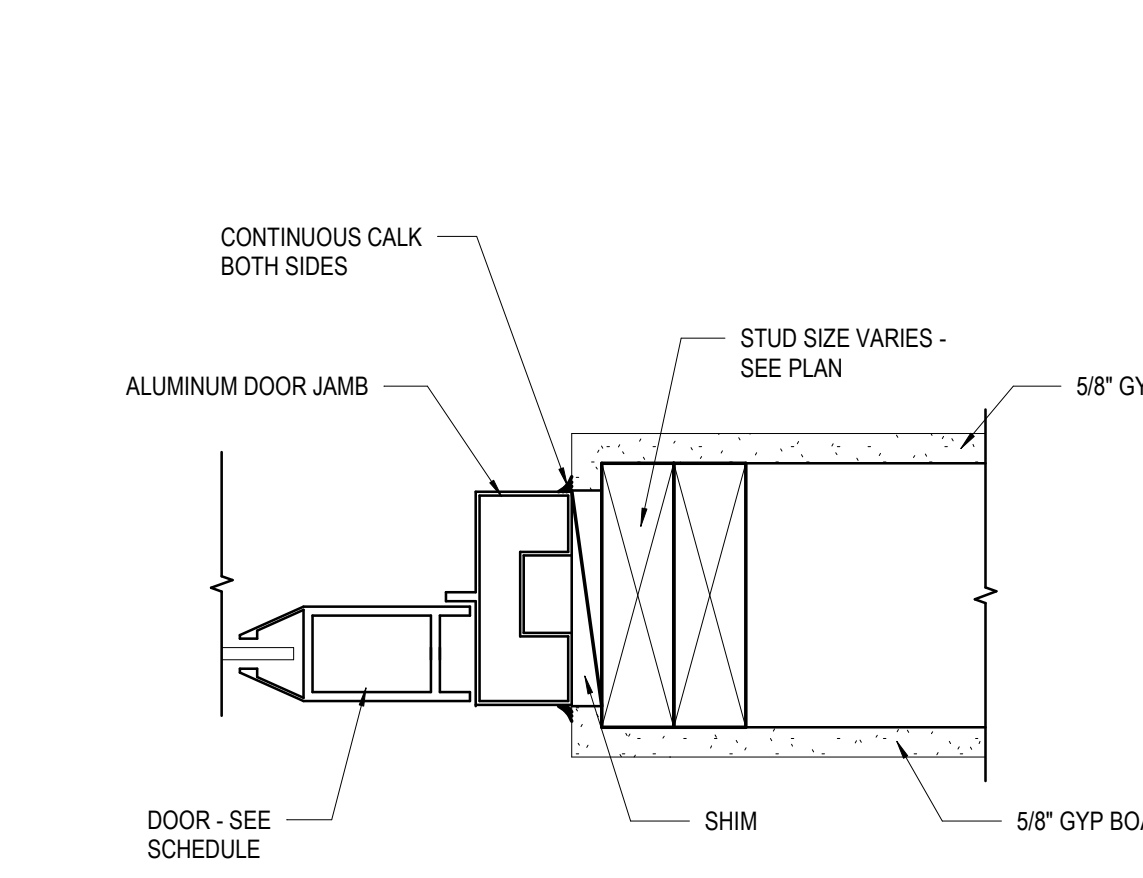
**B HEAD DETAIL**  
SCALE: 3" = 1'-0"



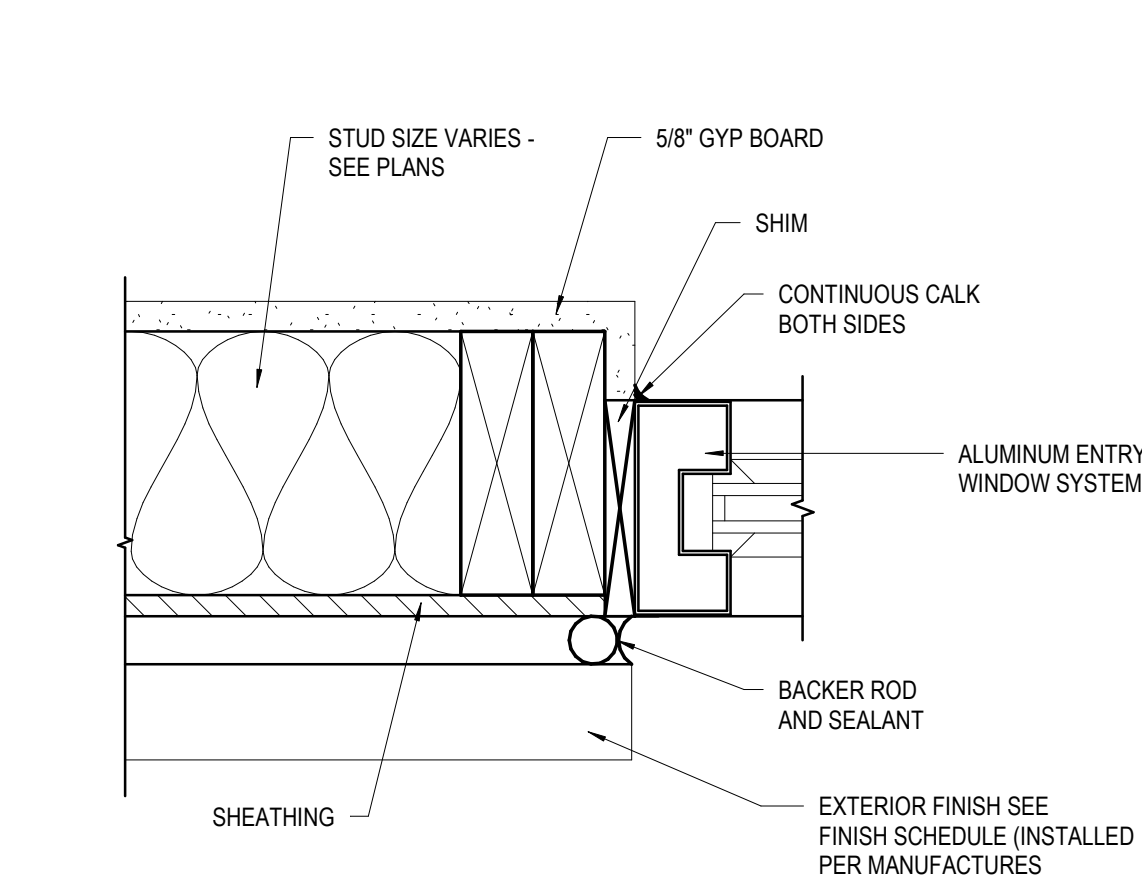
**C HEAD DETAIL**  
SCALE: 3" = 1'-0"



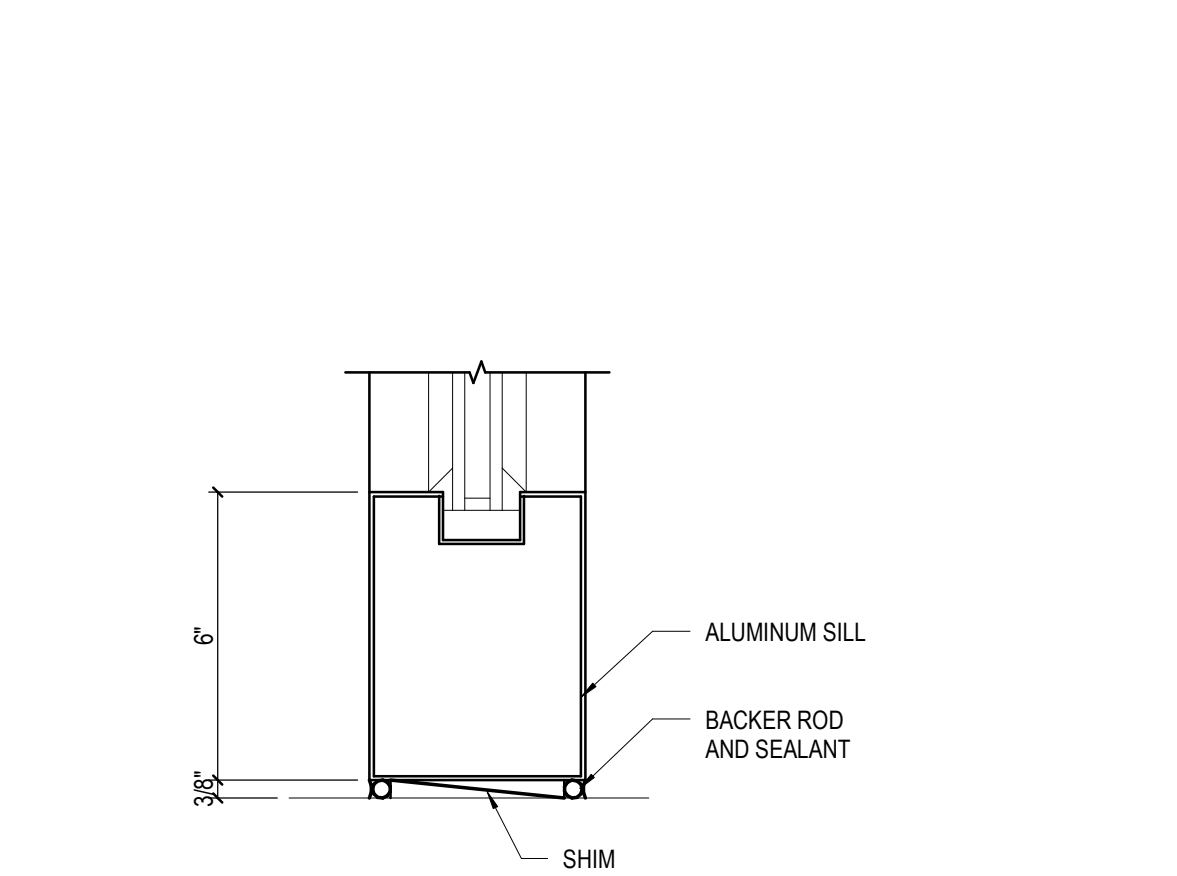
**D JAMB DETAIL**  
SCALE: 3" = 1'-0"



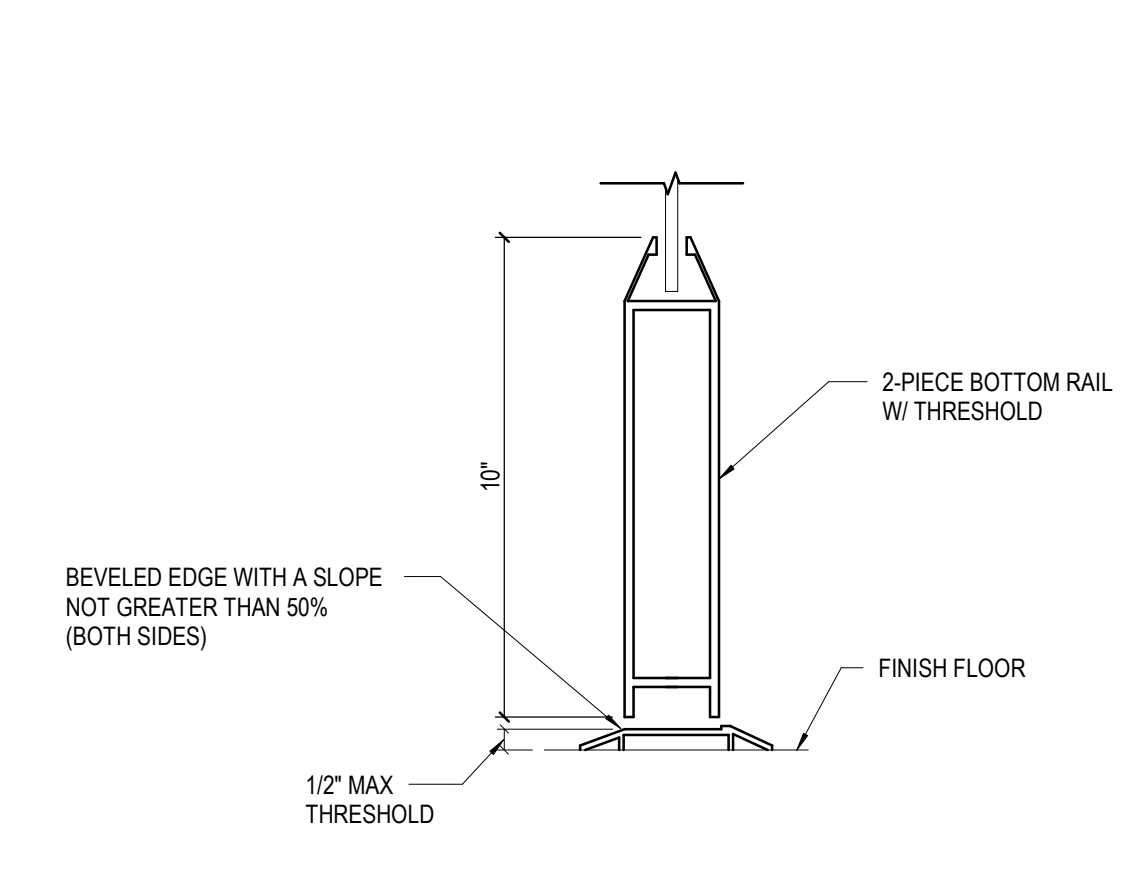
**E JAMB DETAIL**  
SCALE: 3" = 1'-0"



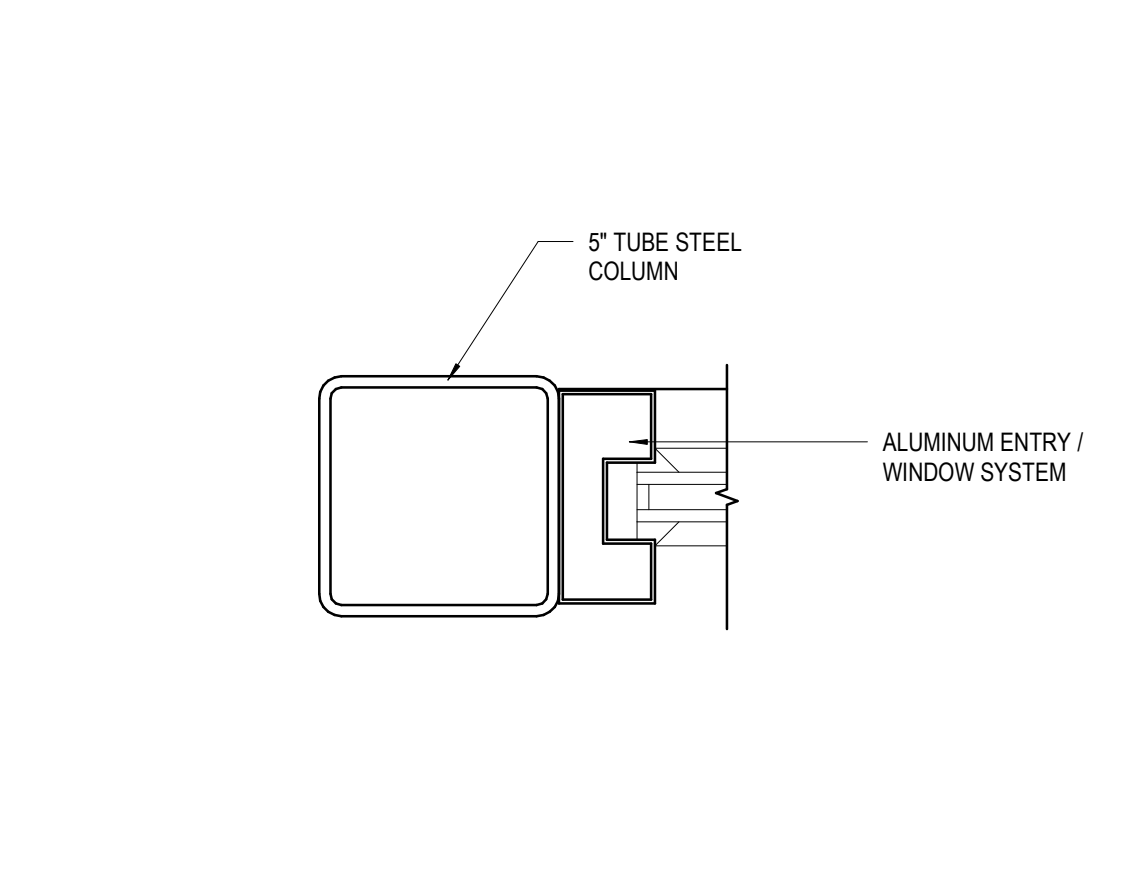
**F JAMB DETAIL**  
SCALE: 3" = 1'-0"



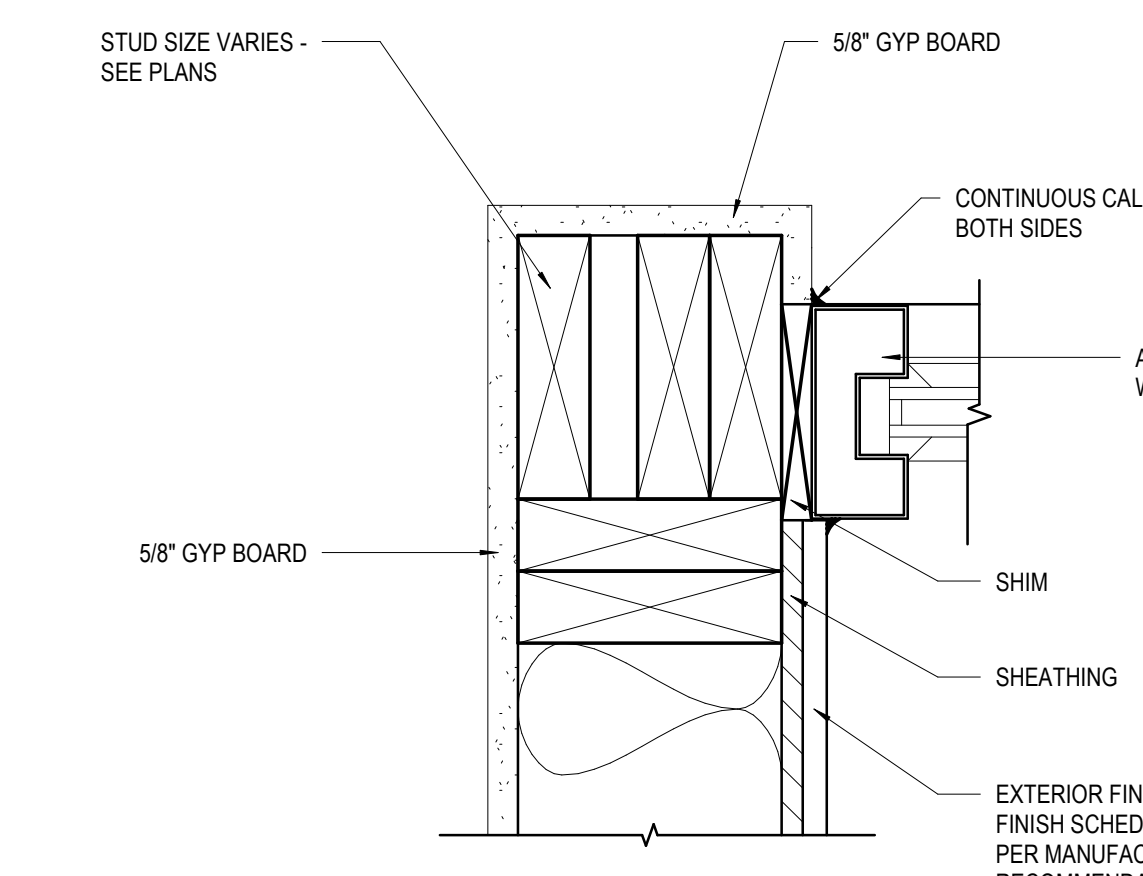
**G SILL DETAIL**  
SCALE: 3" = 1'-0"



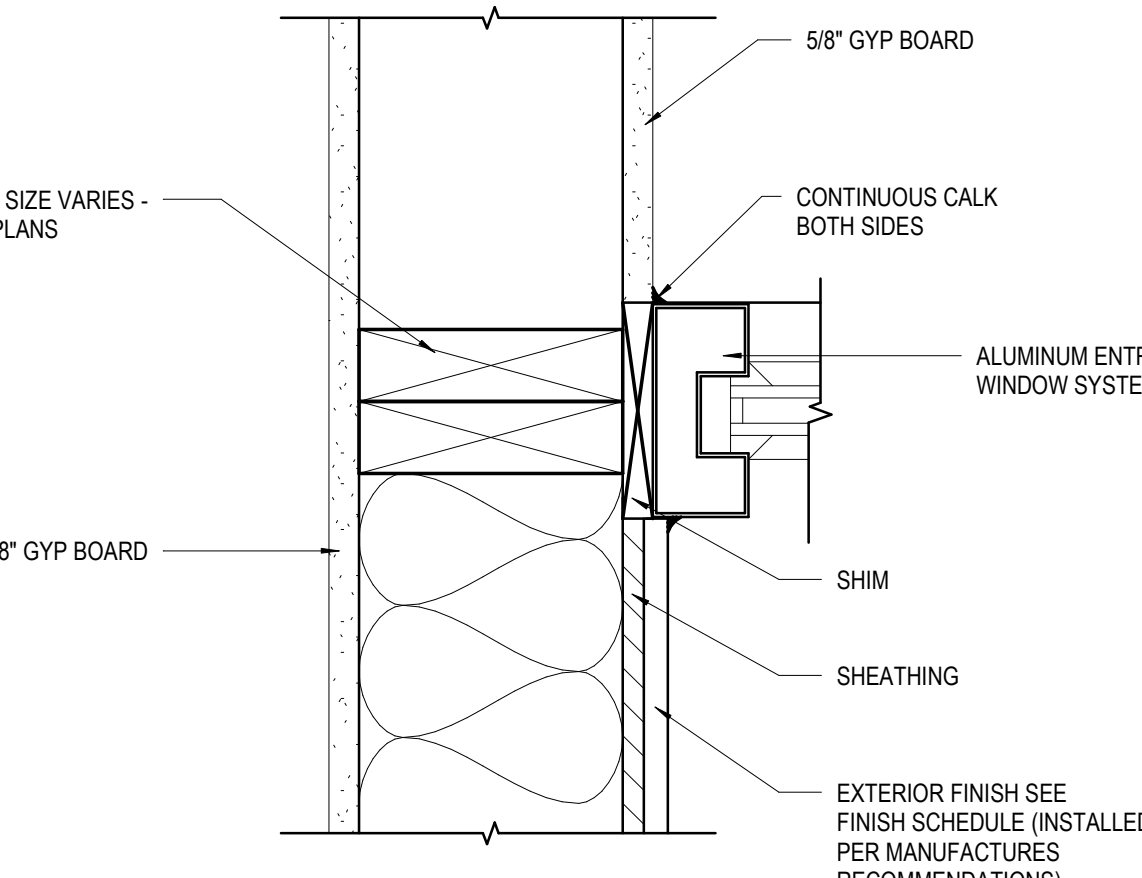
**H SILL DETAIL**  
SCALE: 3" = 1'-0"



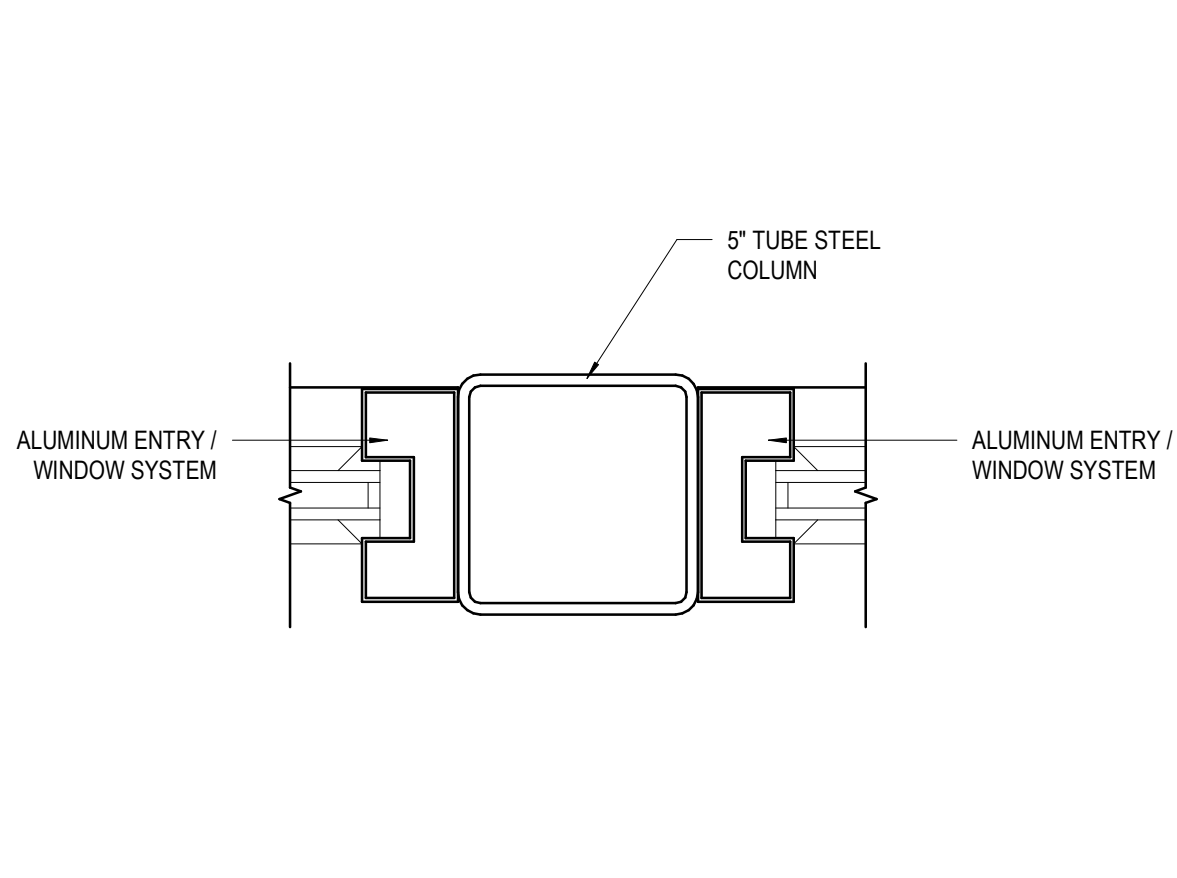
**I JAMB DETAIL**  
SCALE: 3" = 1'-0"



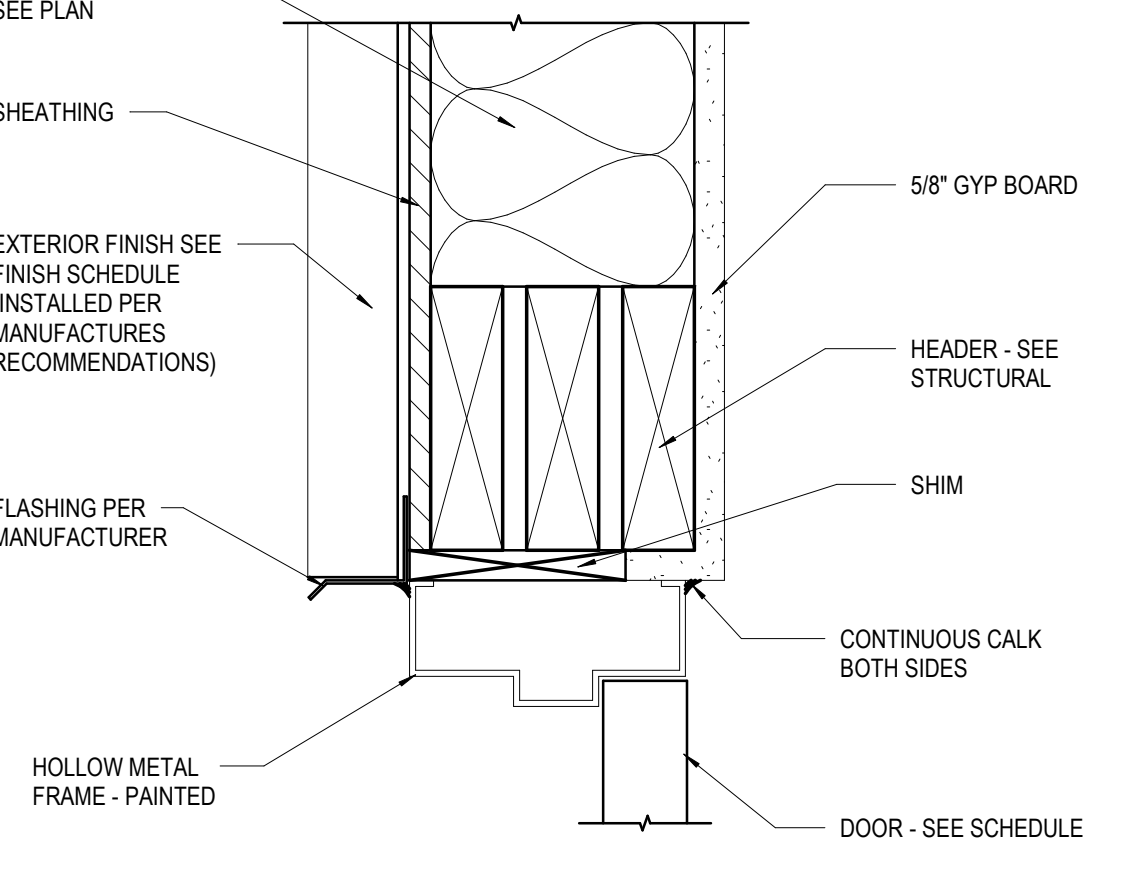
**J JAMB DETAIL**  
SCALE: 3" = 1'-0"



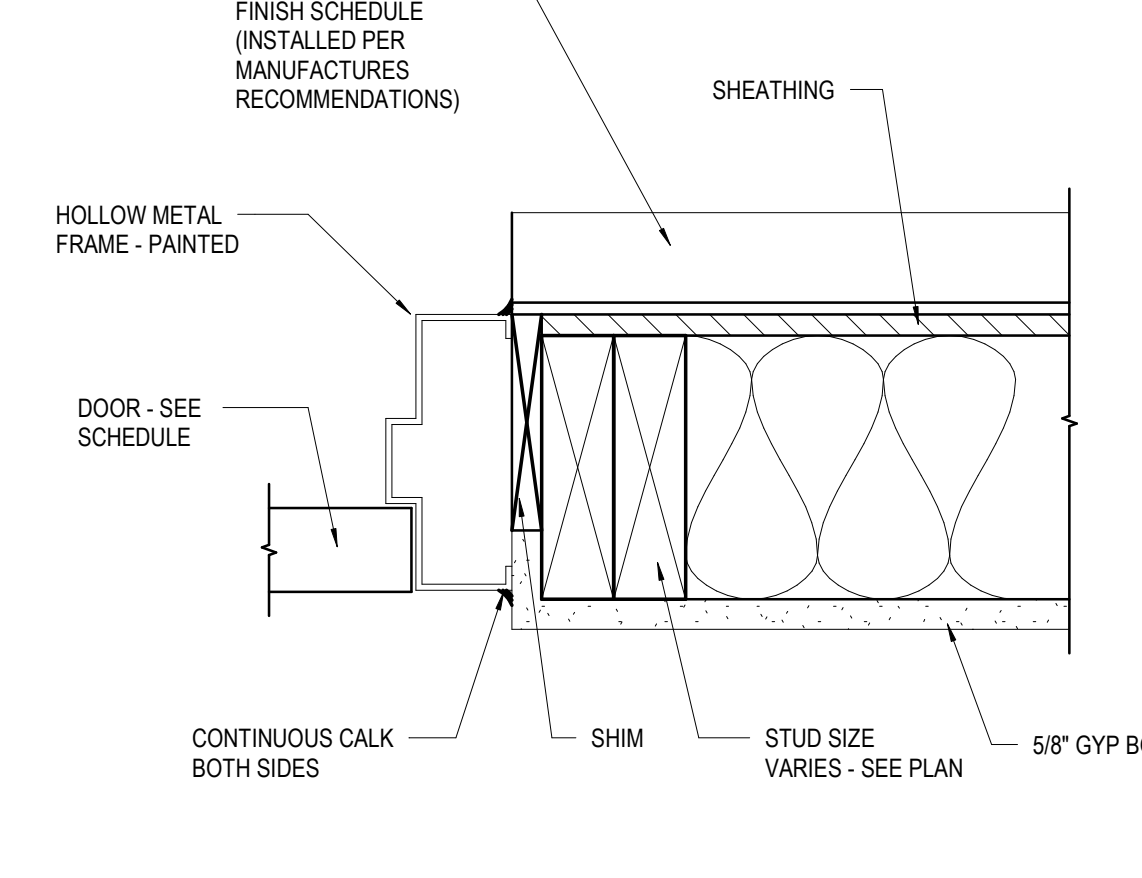
**K JAMB DETAIL**  
SCALE: 3" = 1'-0"



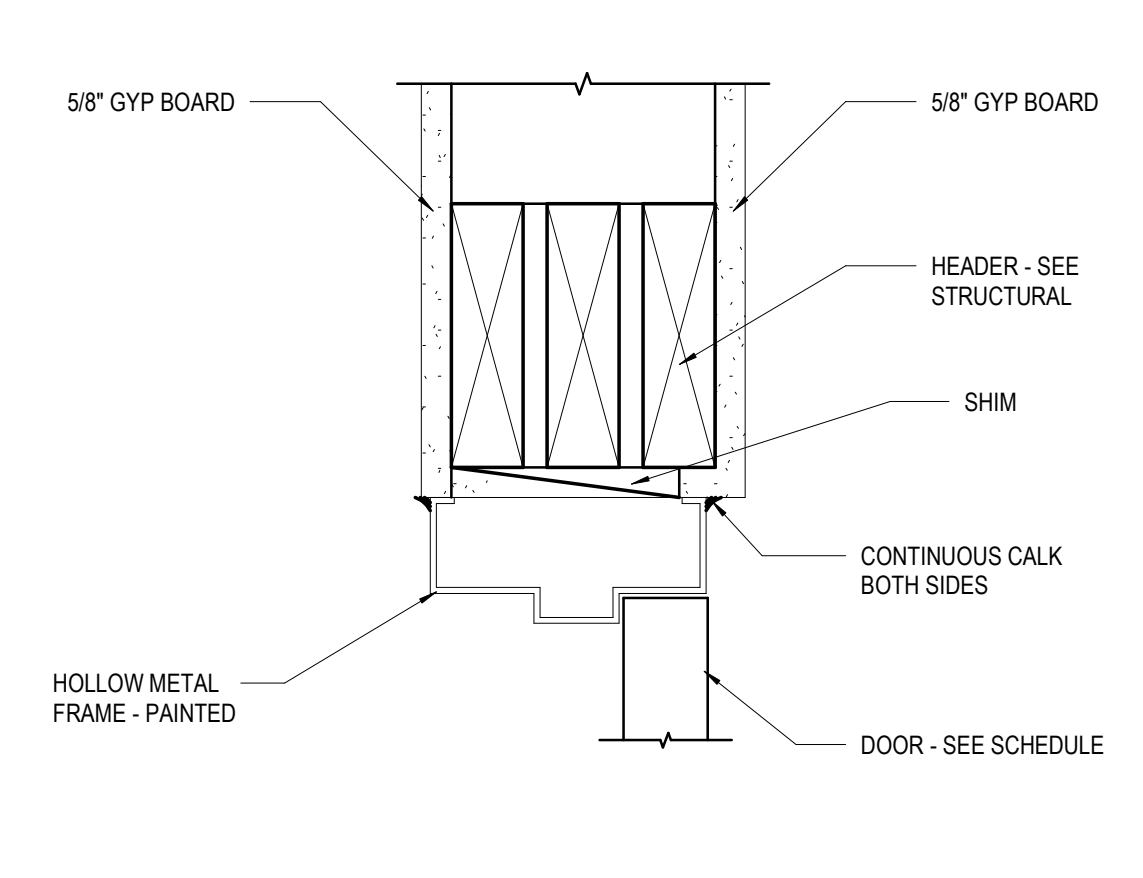
**L JAMB DETAIL**  
SCALE: 3" = 1'-0"



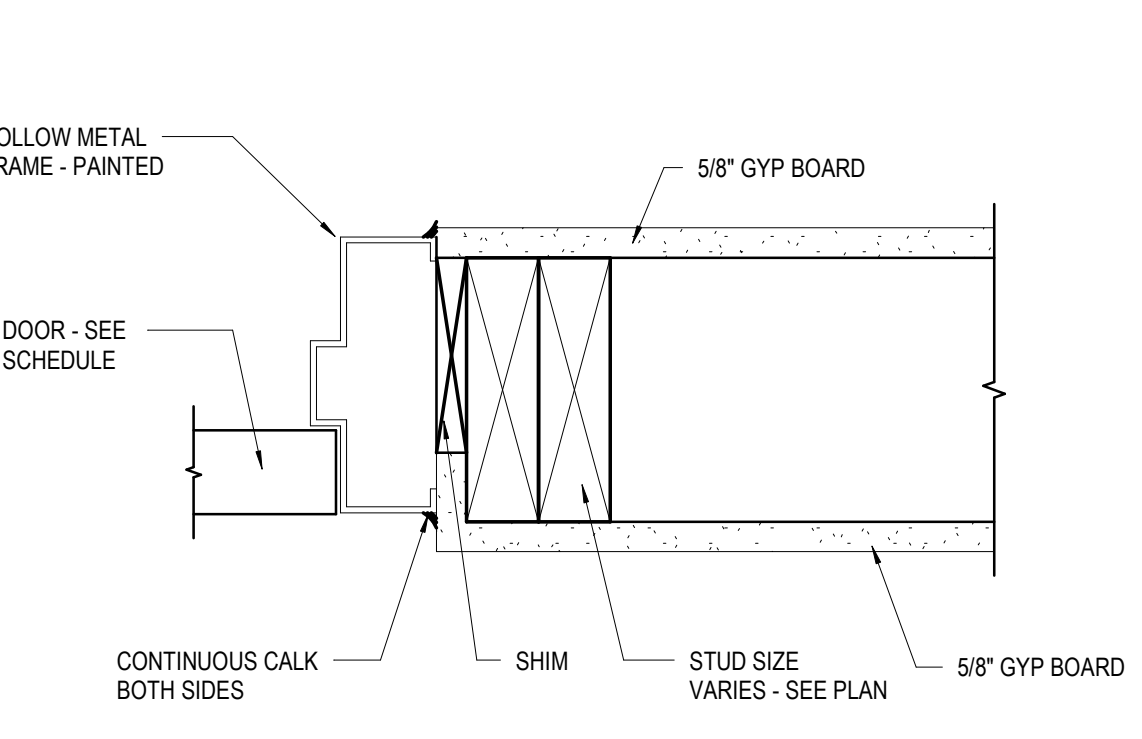
**M HEAD DETAIL**  
SCALE: 3" = 1'-0"



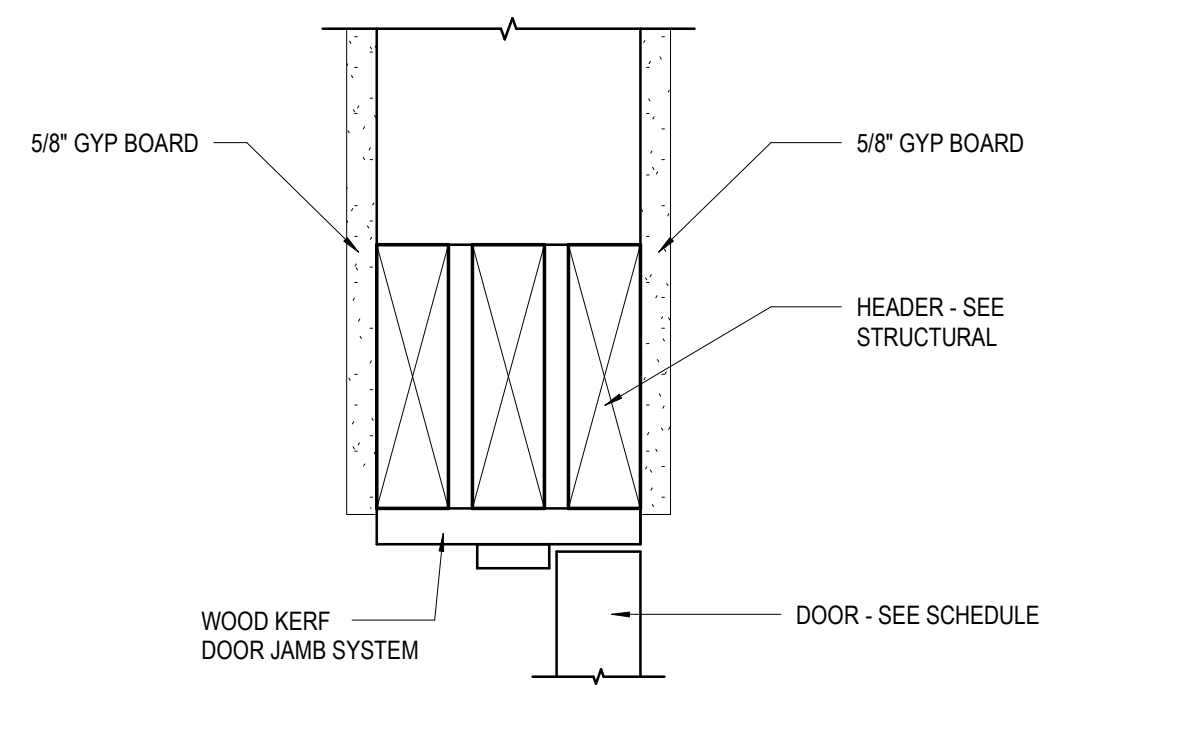
**N HEAD DETAIL**  
SCALE: 3" = 1'-0"



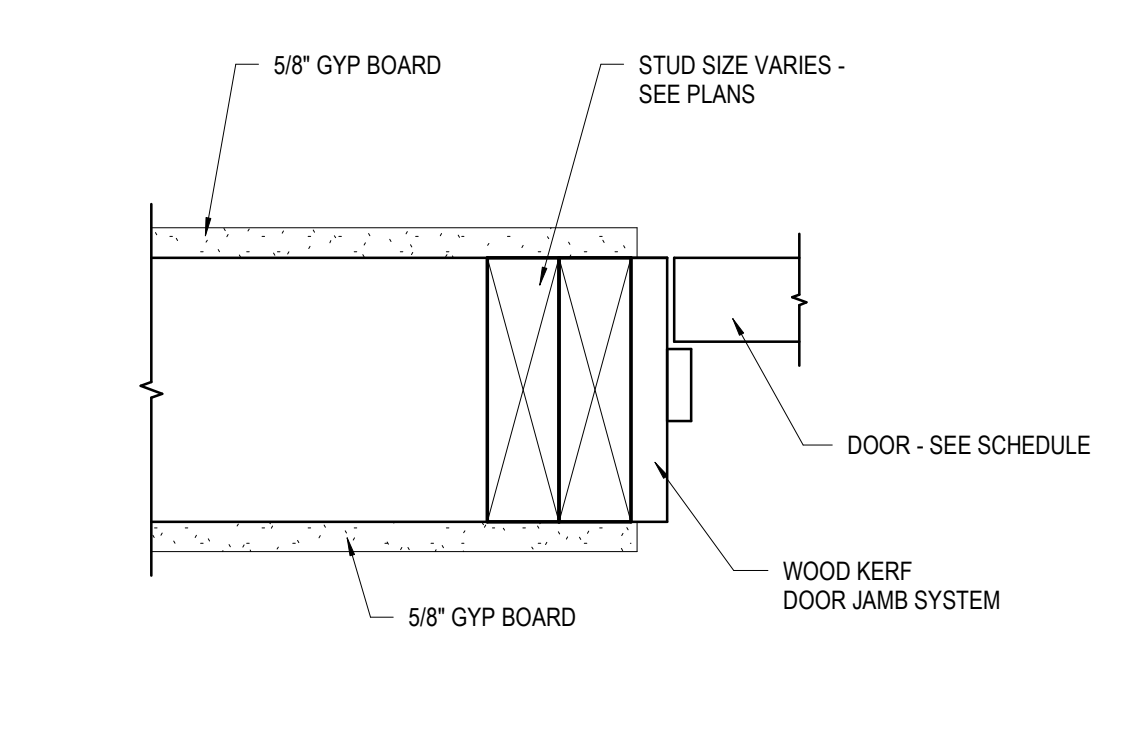
**O HEAD DETAIL**  
SCALE: 3" = 1'-0"



**P JAMB DETAIL**  
SCALE: 3" = 1'-0"



**Q HEAD DETAIL**  
SCALE: 3" = 1'-0"



**R JAMB DETAIL**  
SCALE: 3" = 1'-0"

**NOTE: HOLLOW METAL DOOR FRAMES**  
THE DOOR FRAME DETAILS FOR INTERIOR WALLS DO NOT INDICATE THROAT DIMENSION TO INCLUDE ANY SHEAR WALL MATERIAL. IT IS THE RESPONSIBILITY OF THE DOOR/FRAME SUPPLIER TO REVIEW THE STRUCTURAL SHEAR WALL DRAWINGS AND ACCOUNT FOR ANY INCREASE IN DOOR FRAME THROAT DIMENSION DUE TO SHEAR WALL MATERIAL.

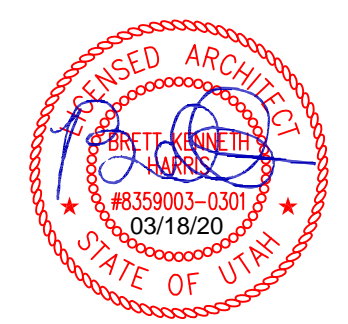
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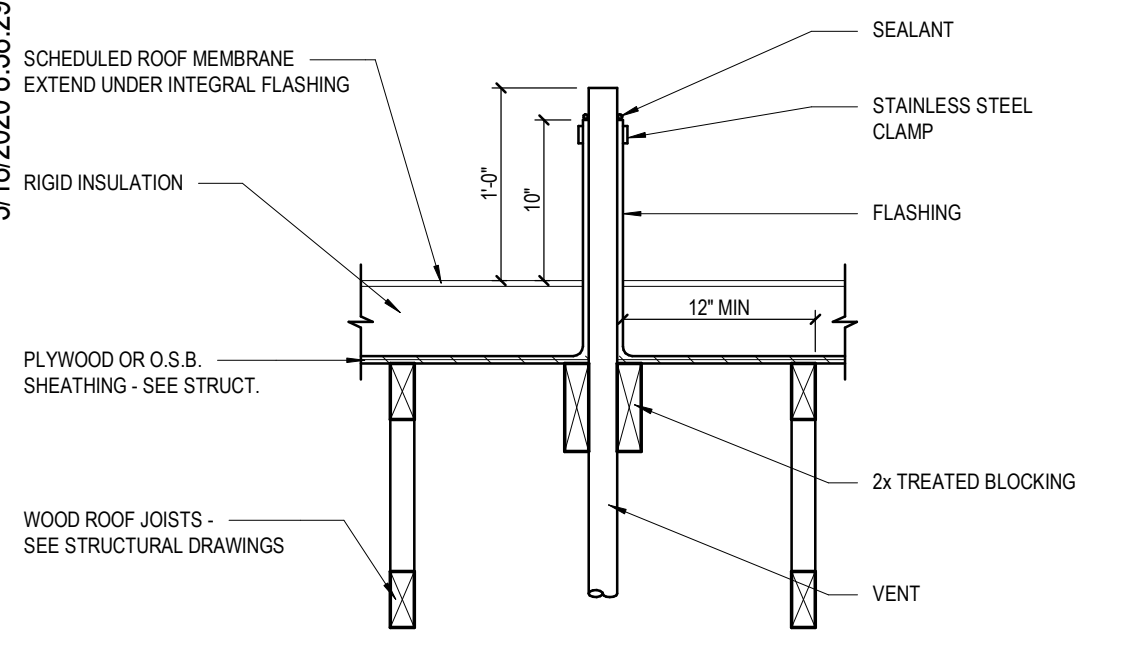
**BLOSSOM RESTAURANT**  
 DOOR DETAILS

03/18/2020  
**A4.2**



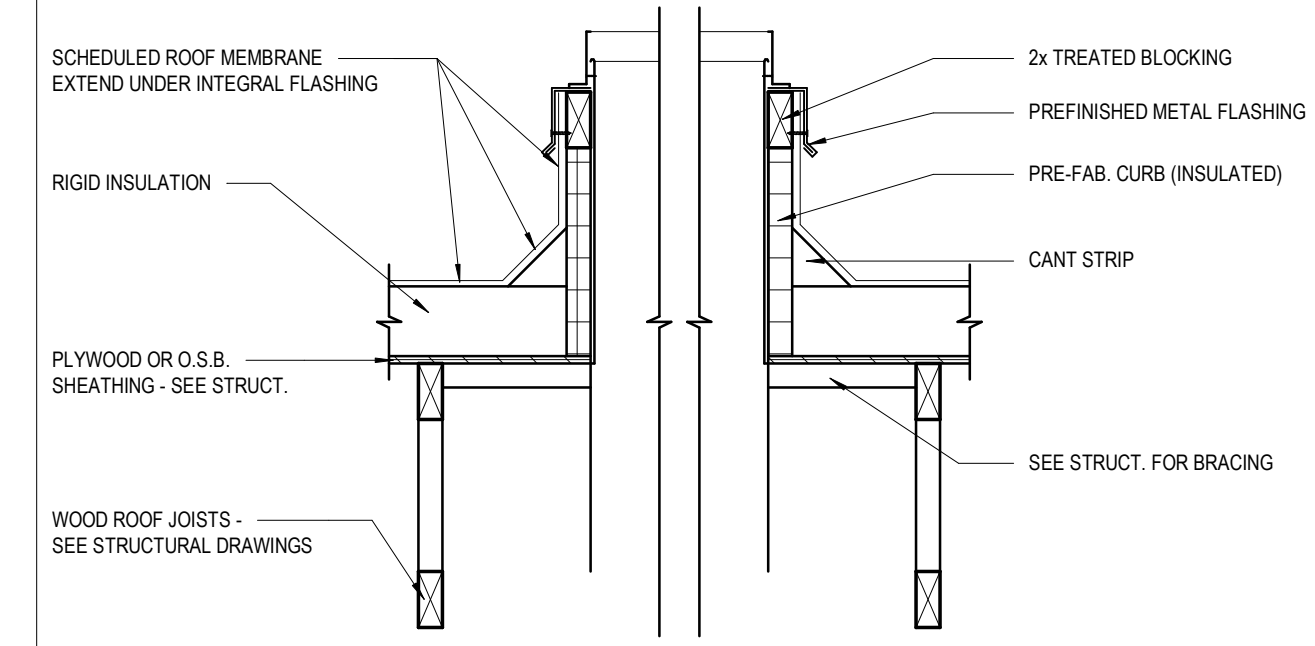
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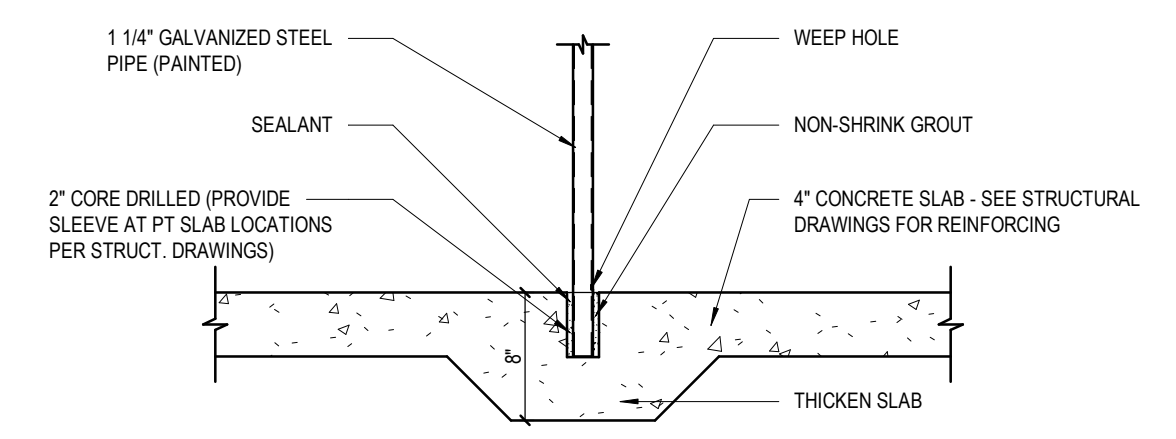
TYPICAL ROOF PENETRATION DETAIL  
 (VERIFY W/ MECHANICAL DRAWINGS)

**A** DETAIL  
 A4.3 SCALE: N.T.S.



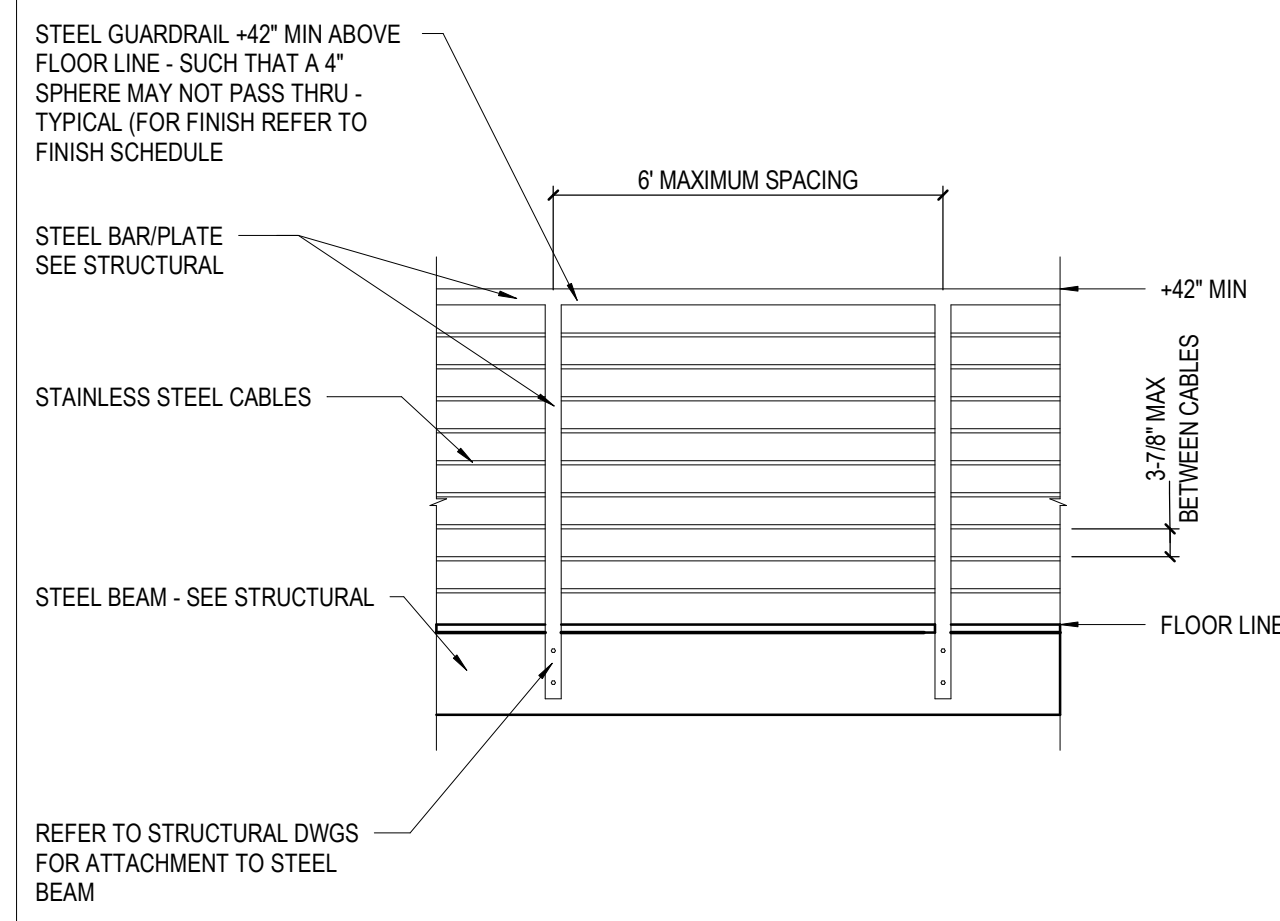
TYPICAL CURB DETAIL  
 (VERIFY W/ MECHANICAL DWGS.)

**B** DETAIL  
 A4.3 SCALE: N.T.S.

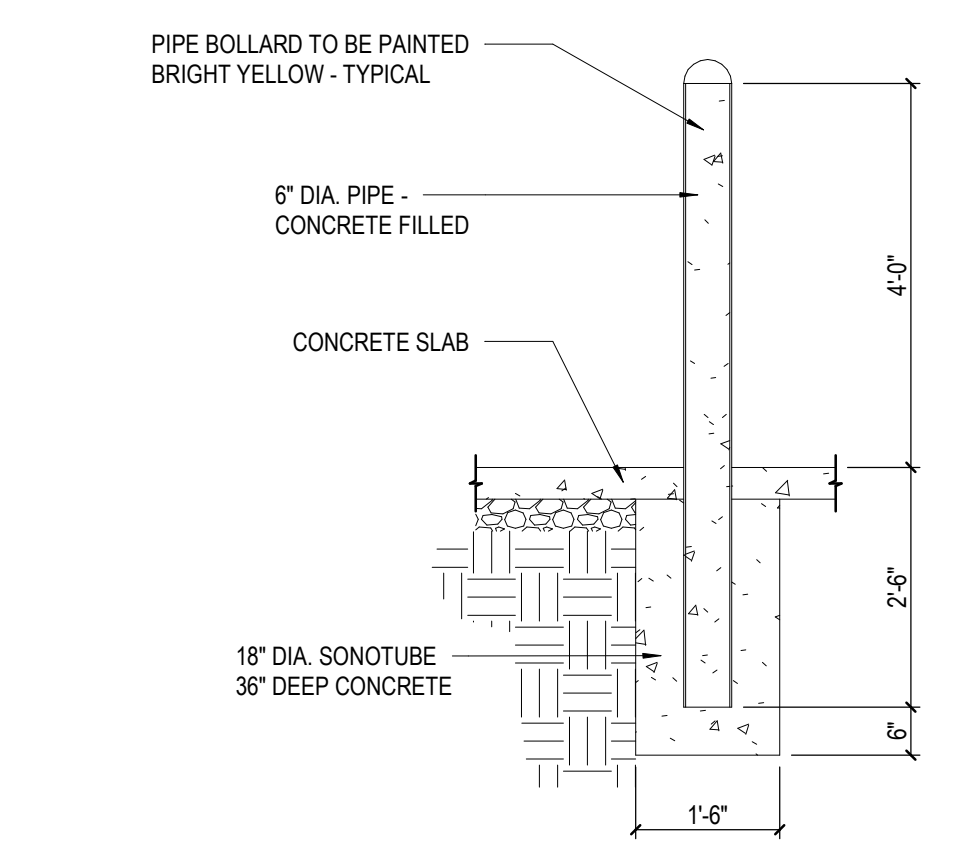


TYPICAL POST SLEEVE BASE DETAIL

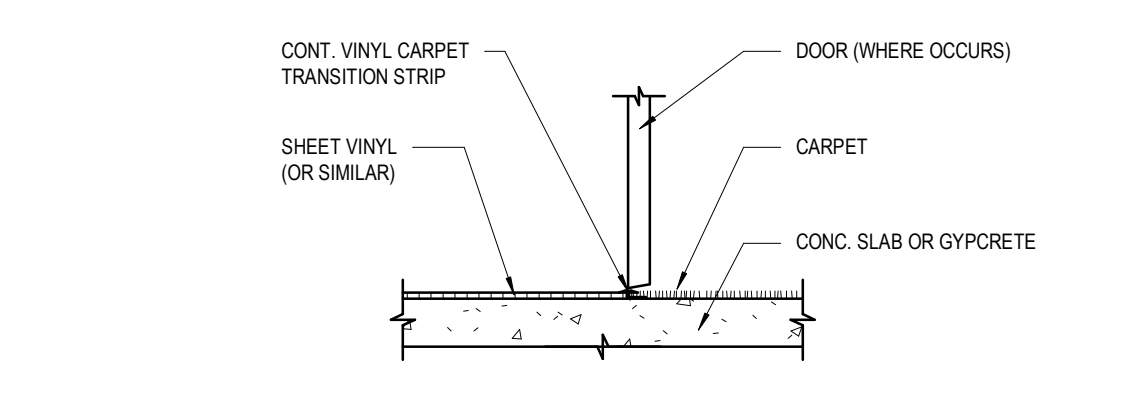
**C** DETAIL  
 A4.3 SCALE: N.T.S.



**D** GUARDRAIL DETAIL  
 SCALE: N.T.S.

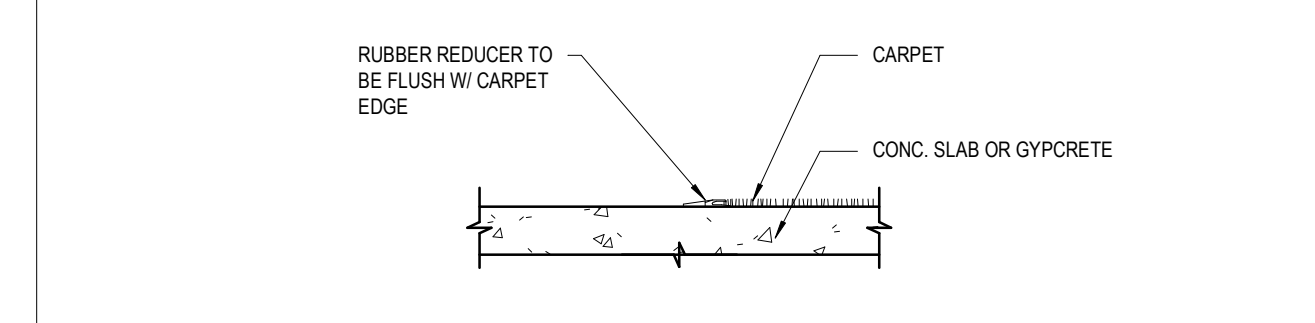


**E** BOLLARD DETAIL  
 SCALE: N.T.S.



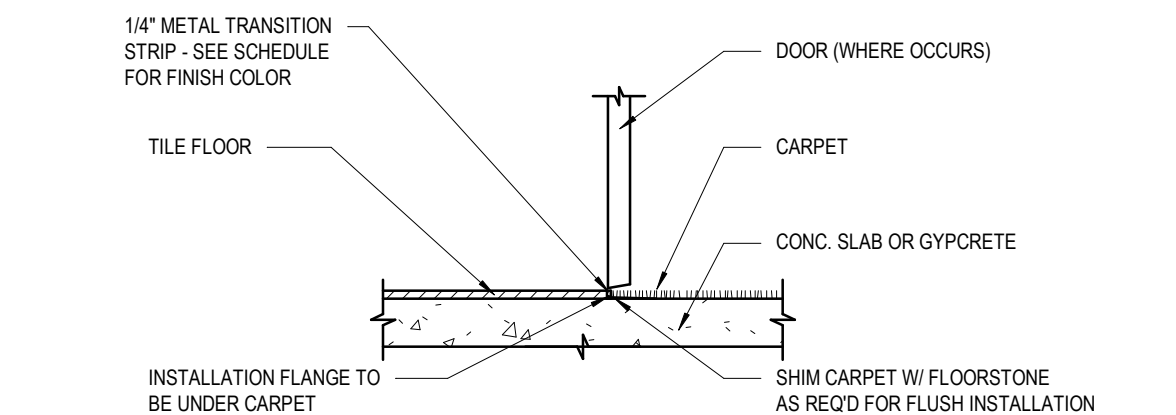
TYP. CARPET TO VINYL TRANSITION

**F** DETAIL  
 A4.3 SCALE: N.T.S.



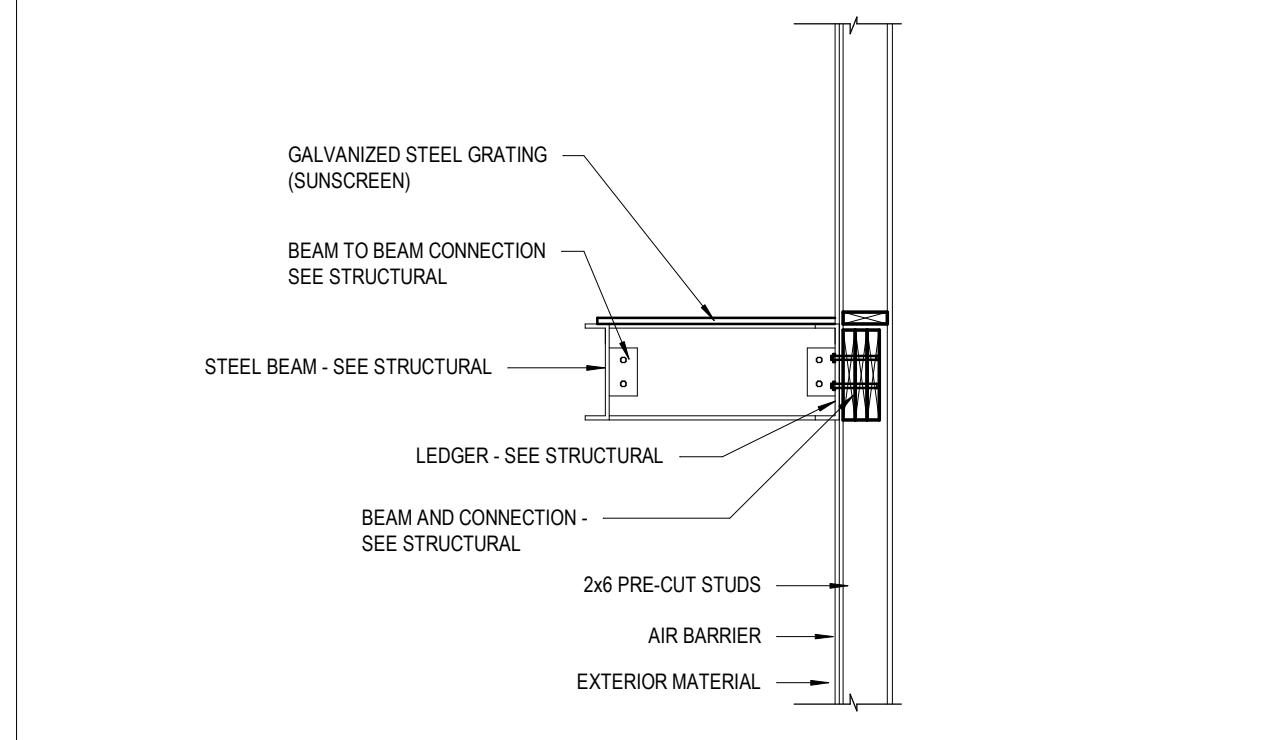
TYP. CARPET TO CONCRETE TRANSITION

**G** DETAIL  
 A4.3 SCALE: N.T.S.

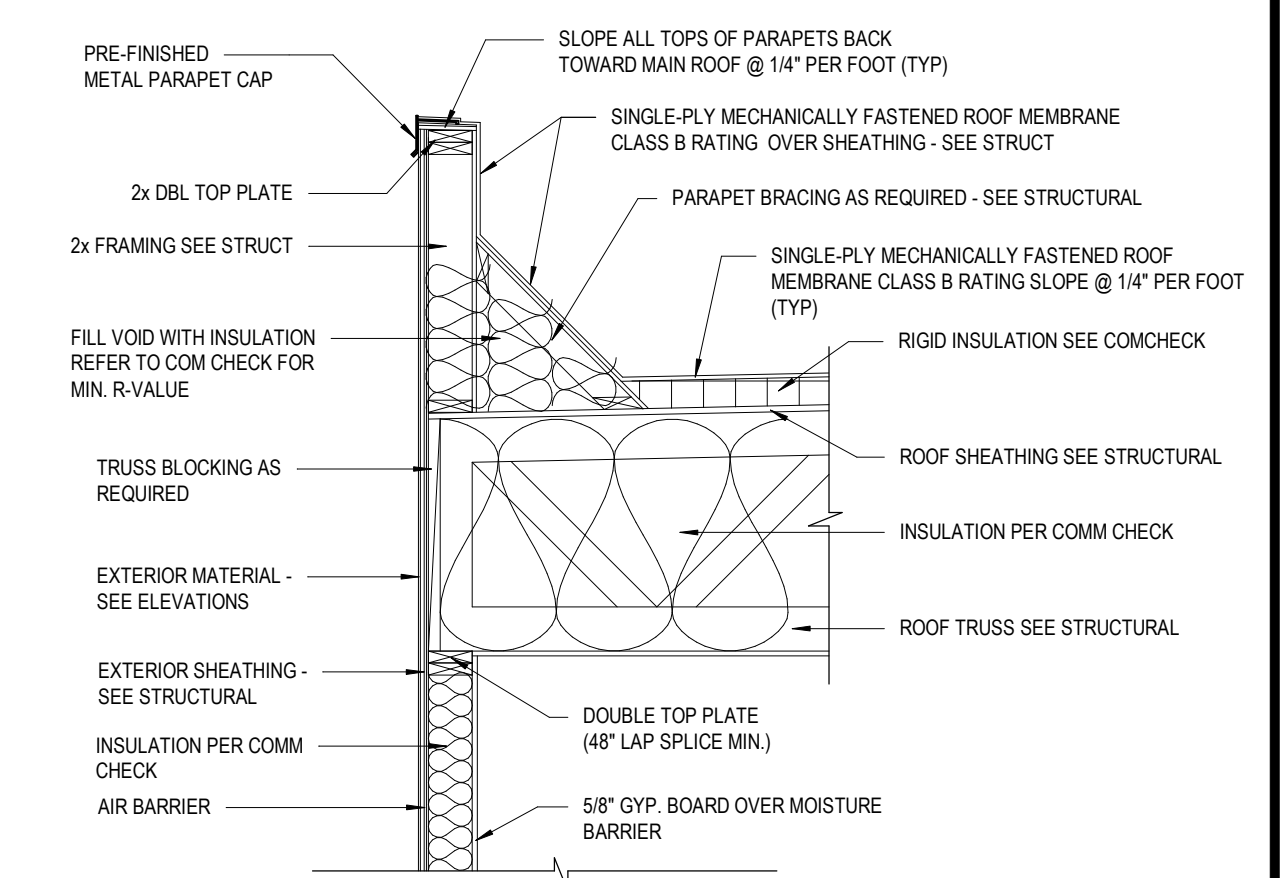


TYP. CARPET TO VINYL TRANSITION

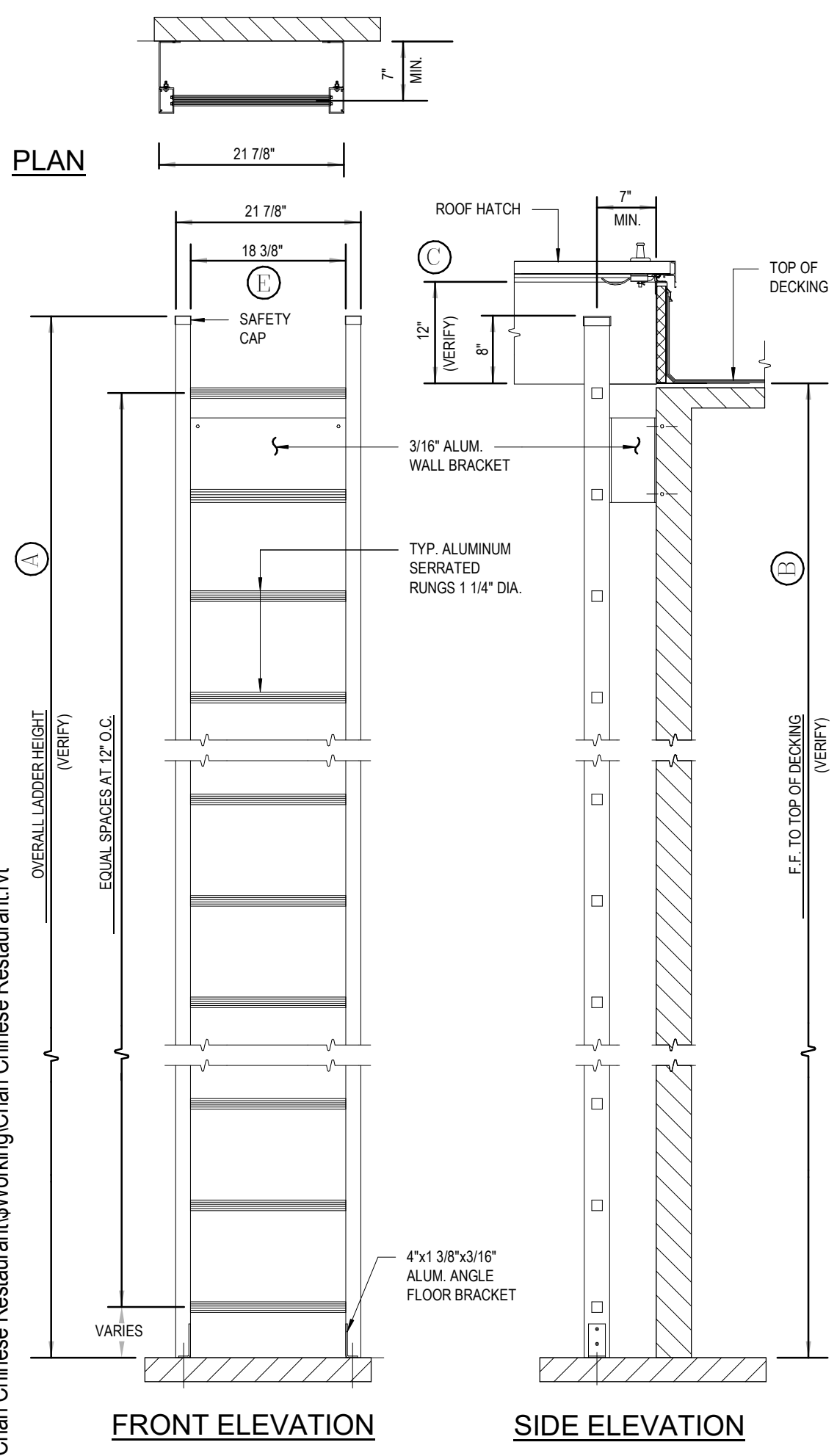
**H** DETAIL  
 A4.3 SCALE: N.T.S.



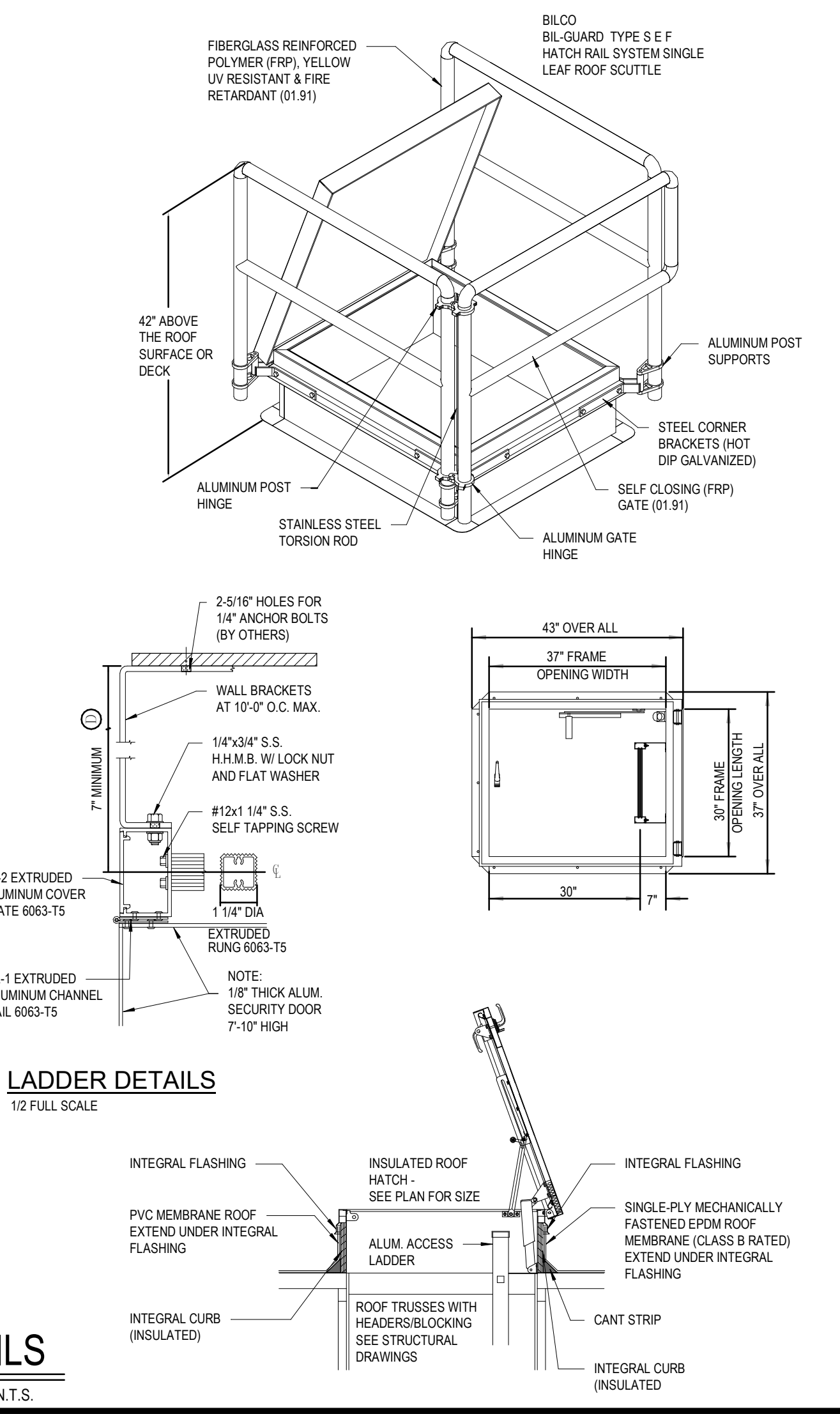
**I** ROOF CANOPY DETAIL  
 SCALE: 1/2" = 1'-0"



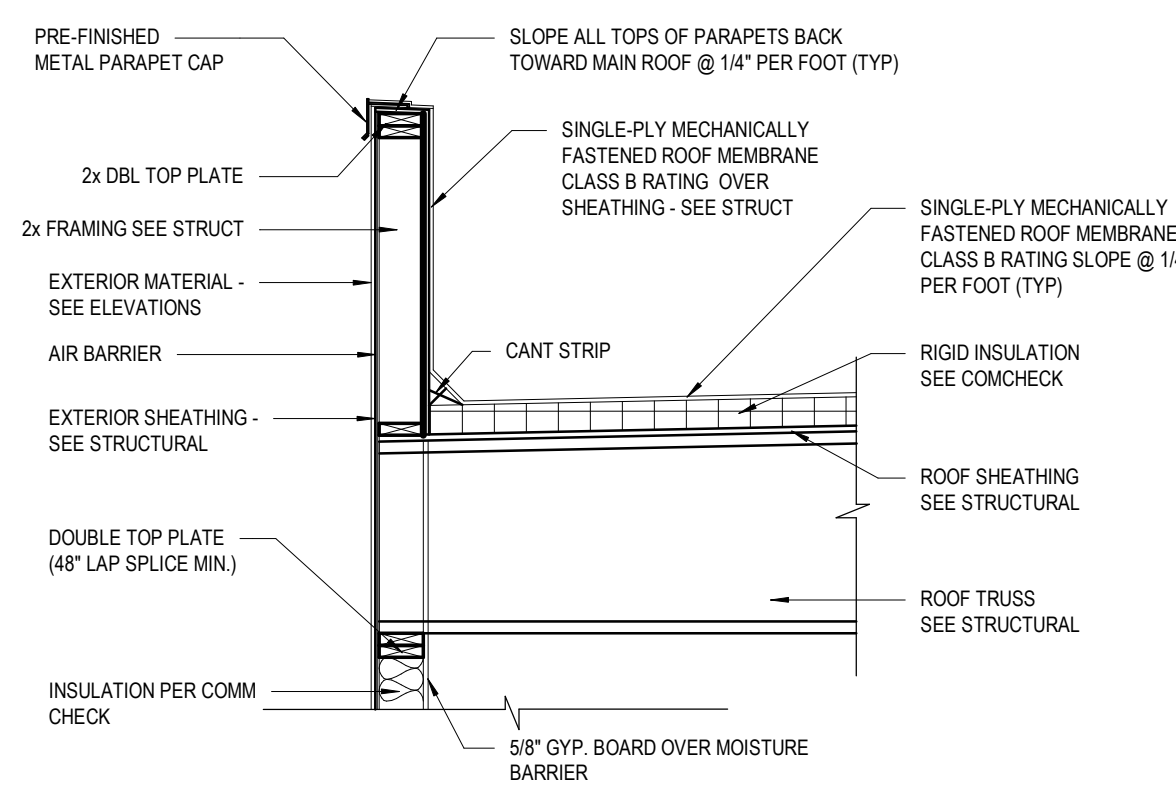
**J** PARAPET DETAIL  
 SCALE: 1/2" = 1'-0"



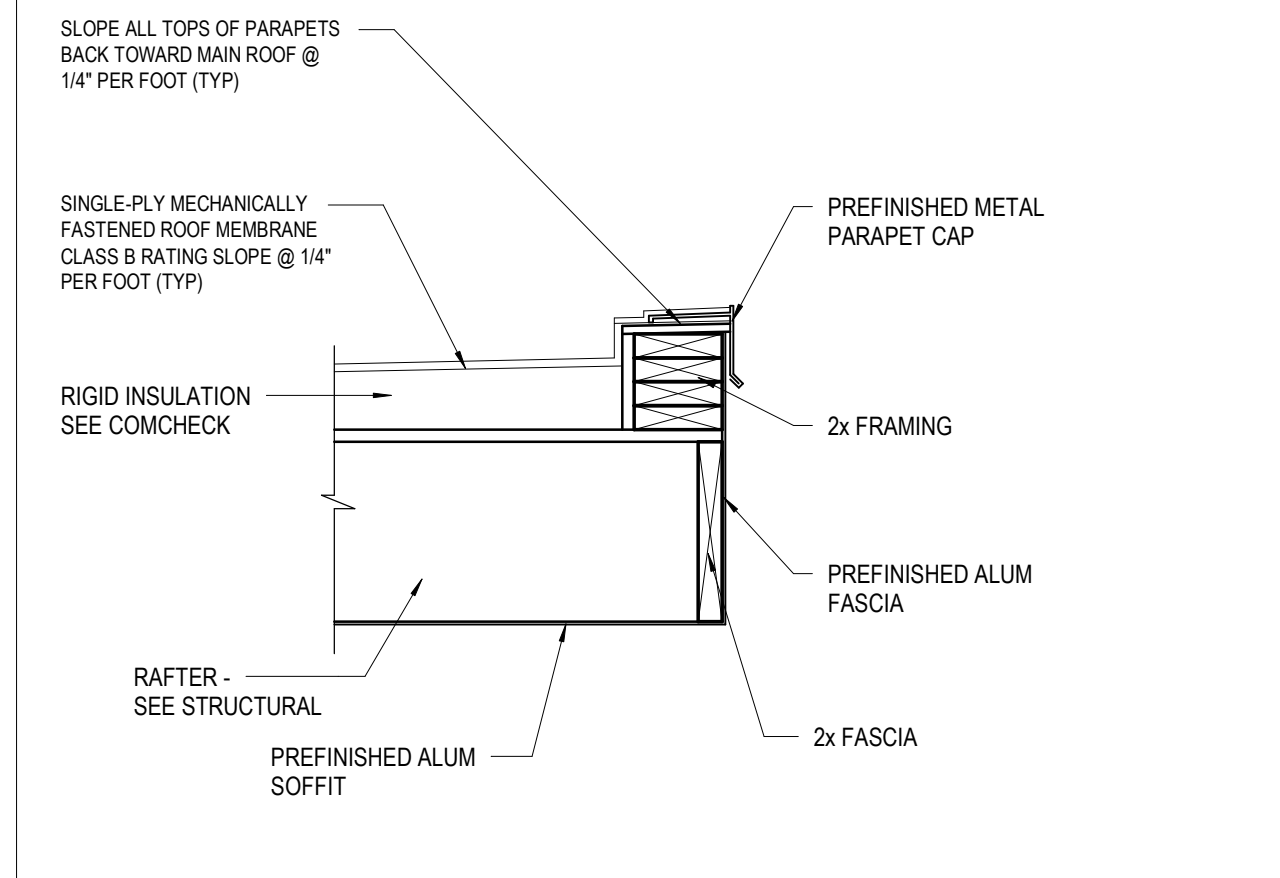
**N** TYPICAL LADDER / ROOF HATCH DETAILS  
 SCALE: N.T.S.



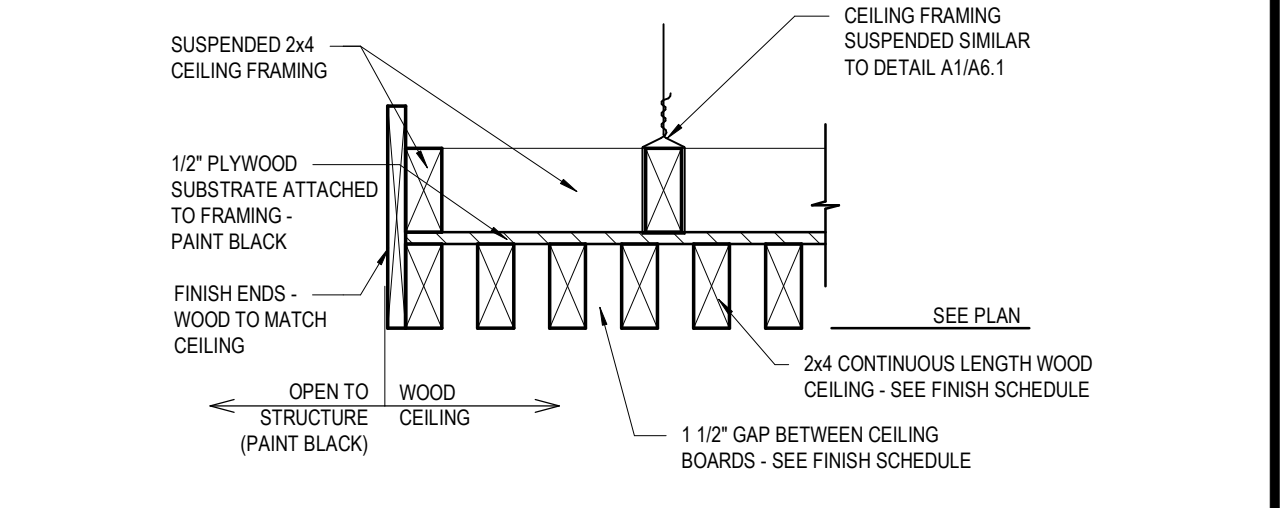
LADDER DETAILS  
 1/2 FULL SCALE



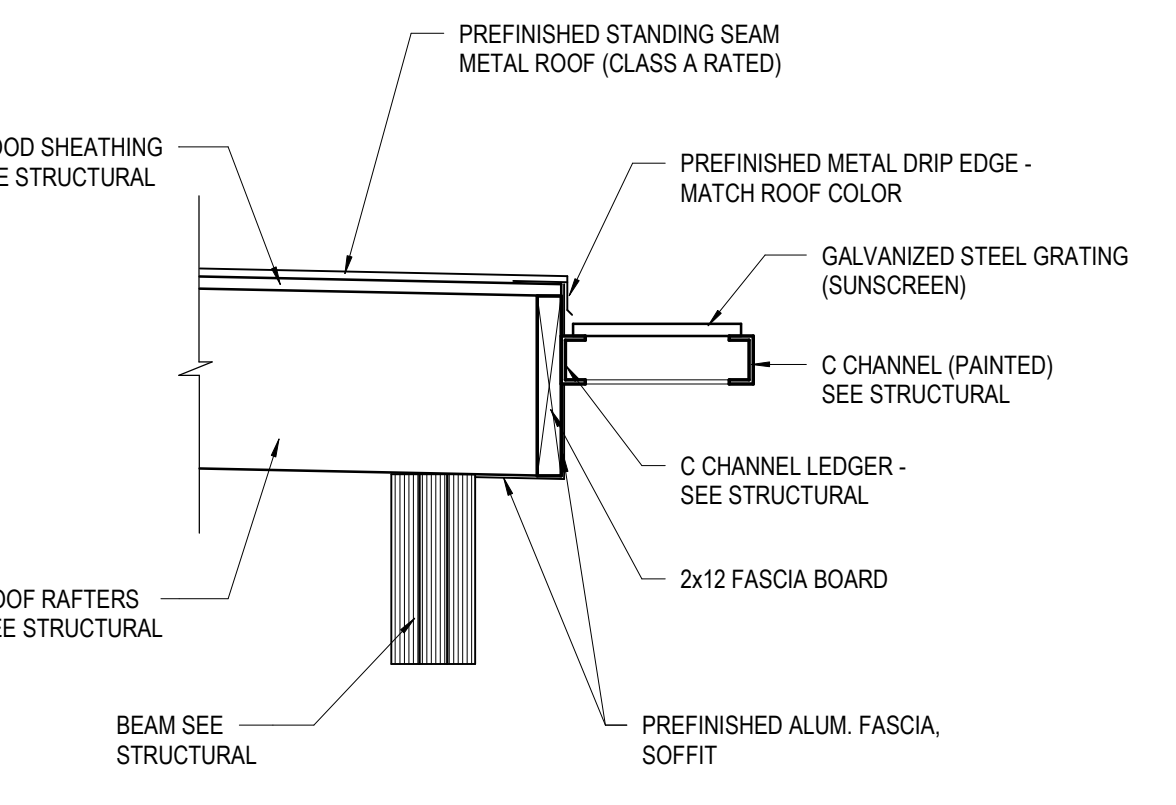
**K** PARAPET DETAIL  
 SCALE: 1/2" = 1'-0"



**L** ROOF CANOPY FASCIA  
 SCALE: 1" = 1'-0"



**N** SUSPENDED WOOD CEILING  
 SCALE: 1 1/2" = 1'-0"



**O** METAL FIN DETAIL  
 SCALE: 1" = 1'-0"

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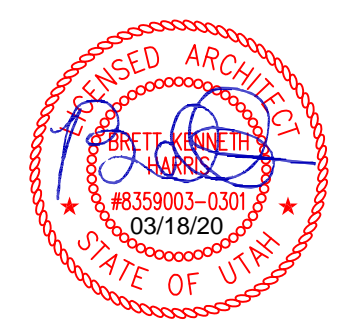
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**BLOSSOM RESTAURANT**  
 CONSTRUCTION DETAILS

03/18/2020

A4.3



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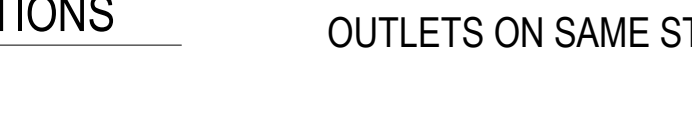
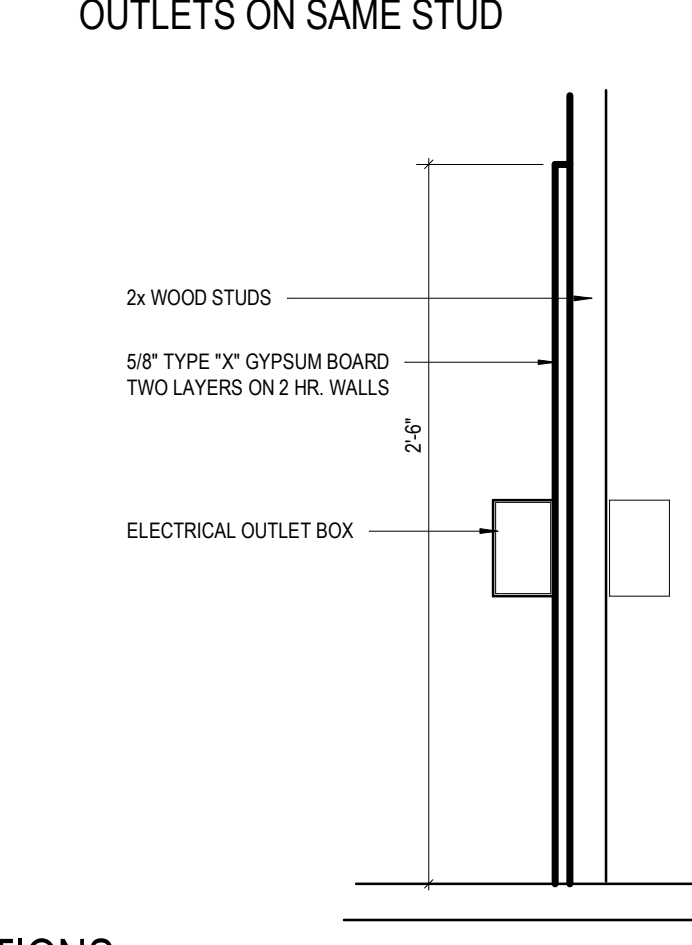
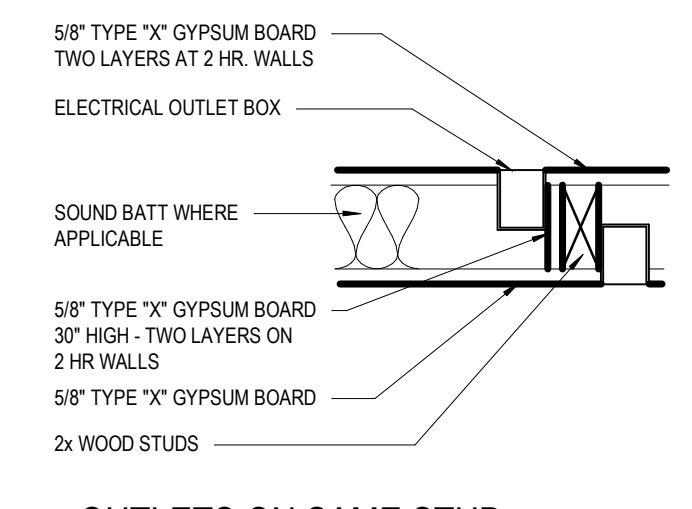
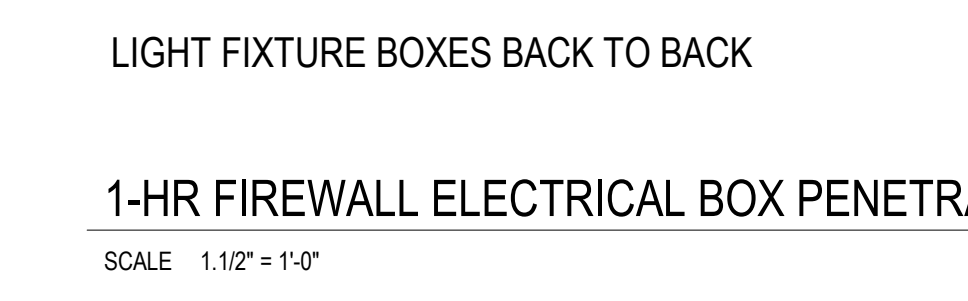
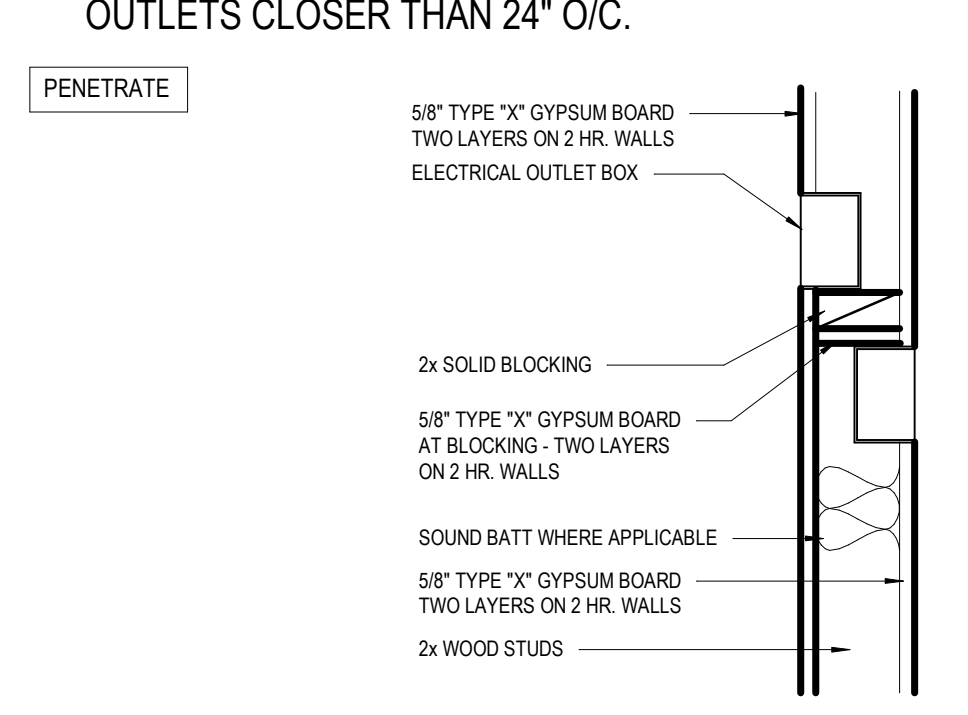
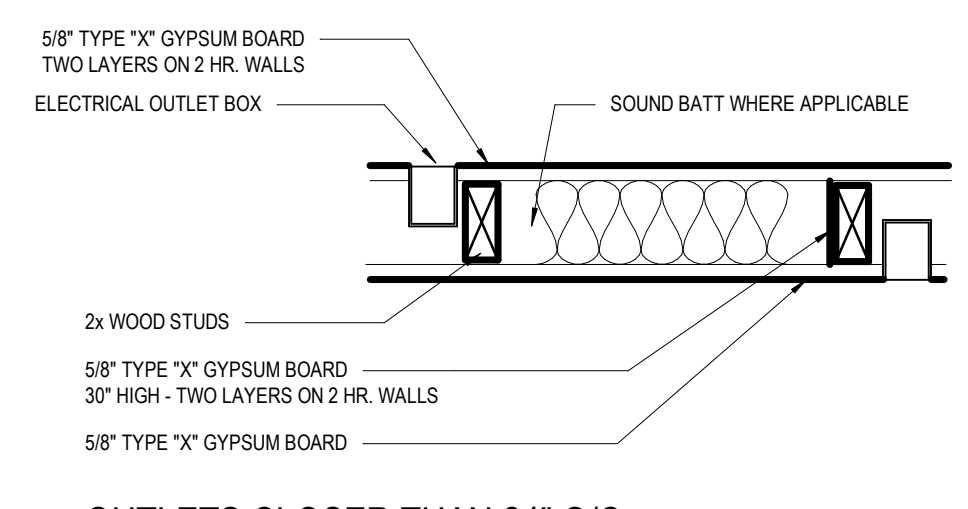
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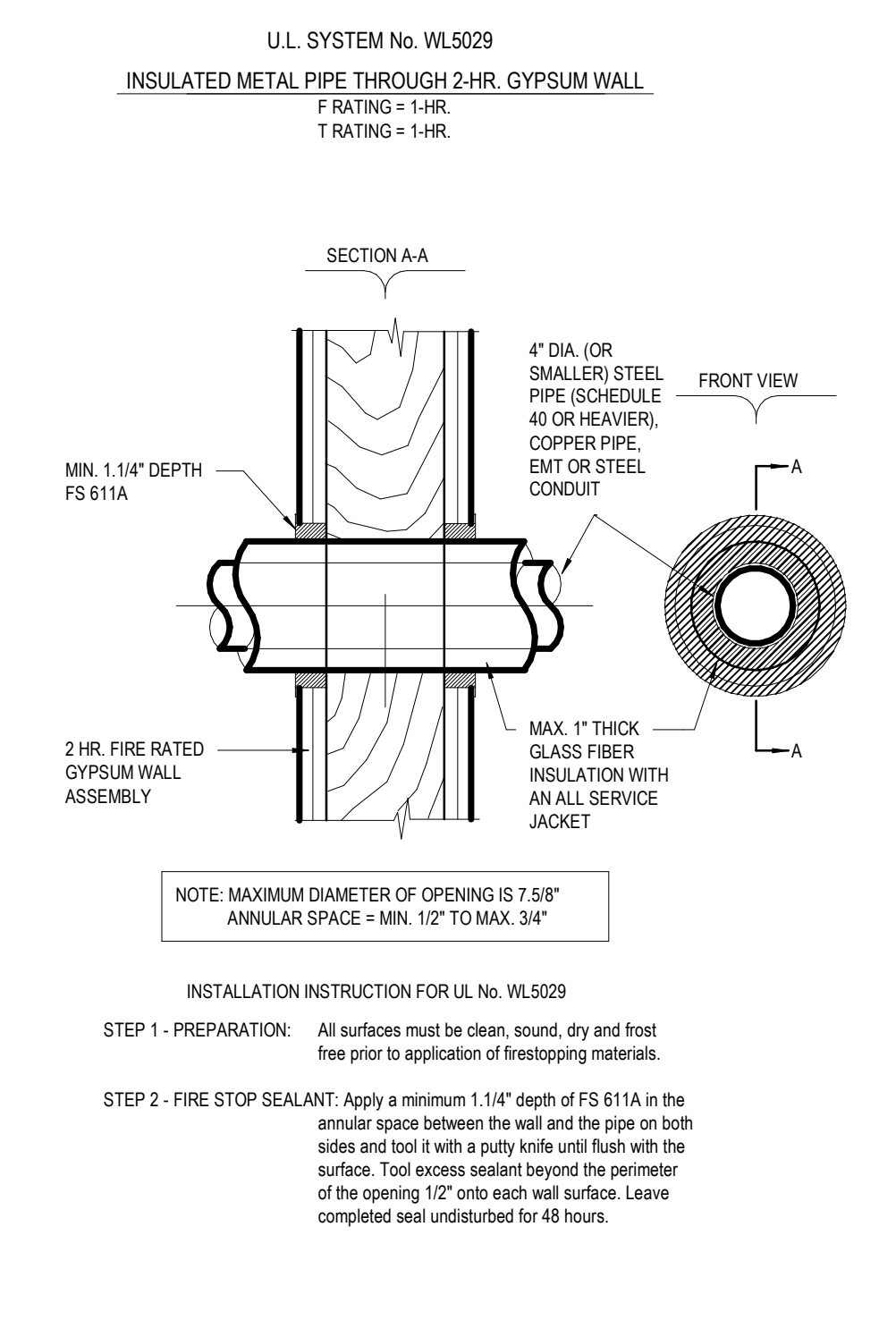
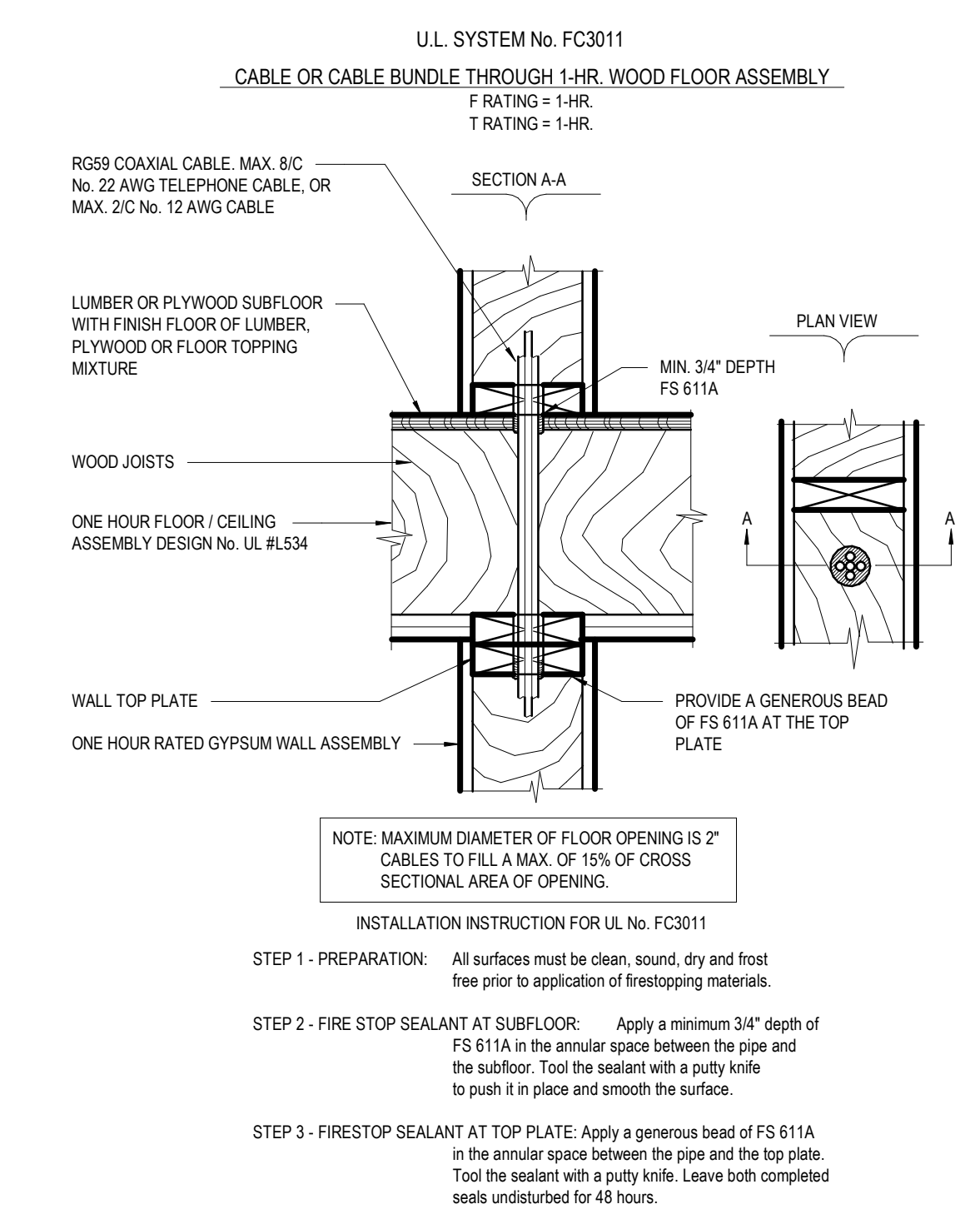
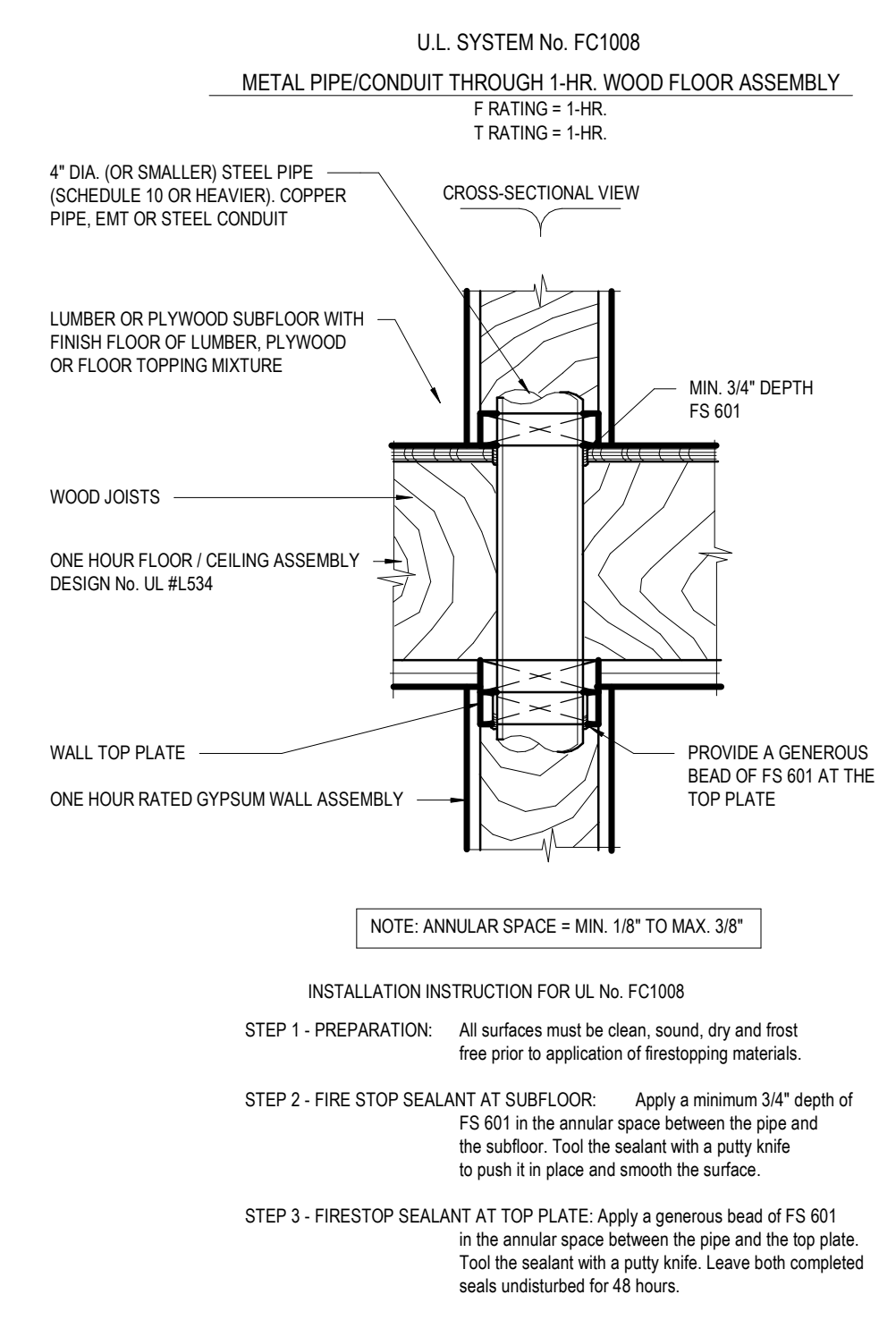
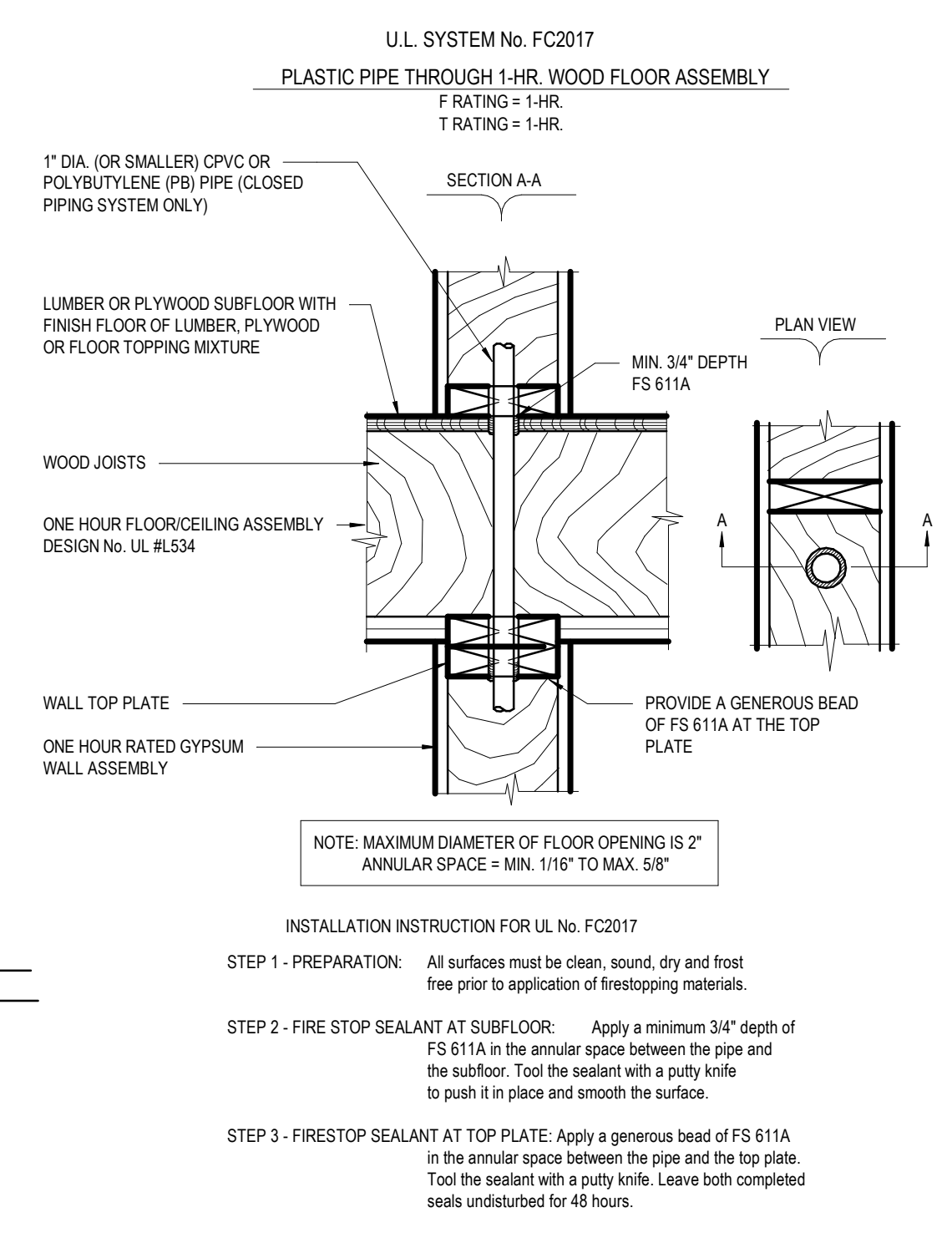
BLOSSOM RESTAURANT  
PENETRATION DETAILS

03/18/2020

A4.4

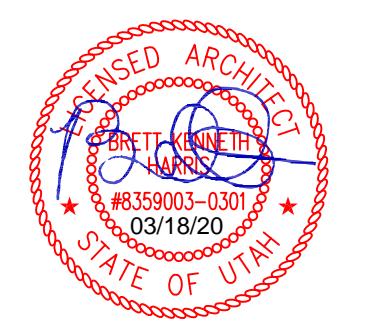


1-HR FIREWALL ELECTRICAL BOX PENETRATIONS  
SCALE 1.1/2" = 1'-0"



TYPICAL MOUNTING DETAILS  
SCALE: N.T.S. WHERE APPLICABLE

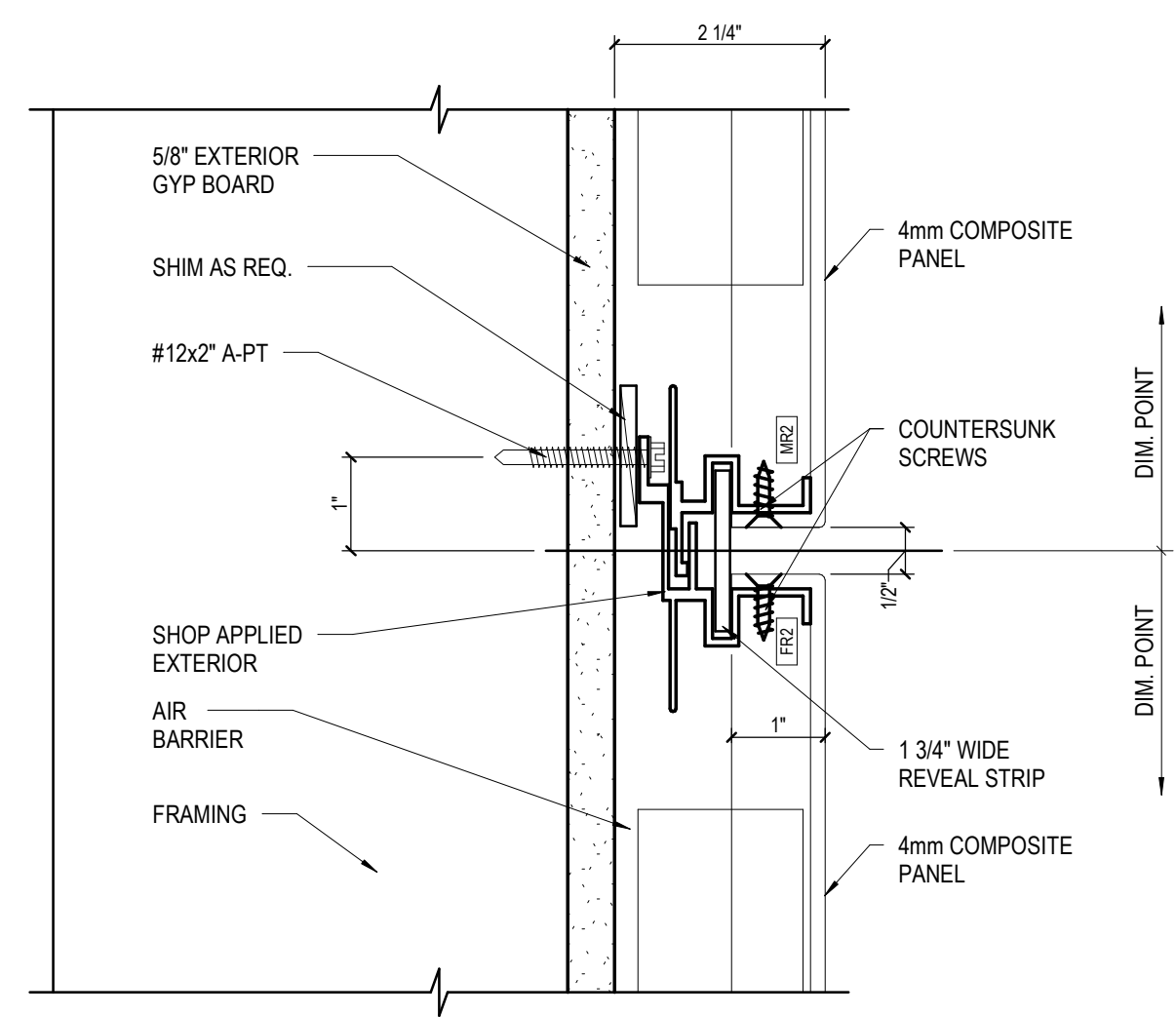
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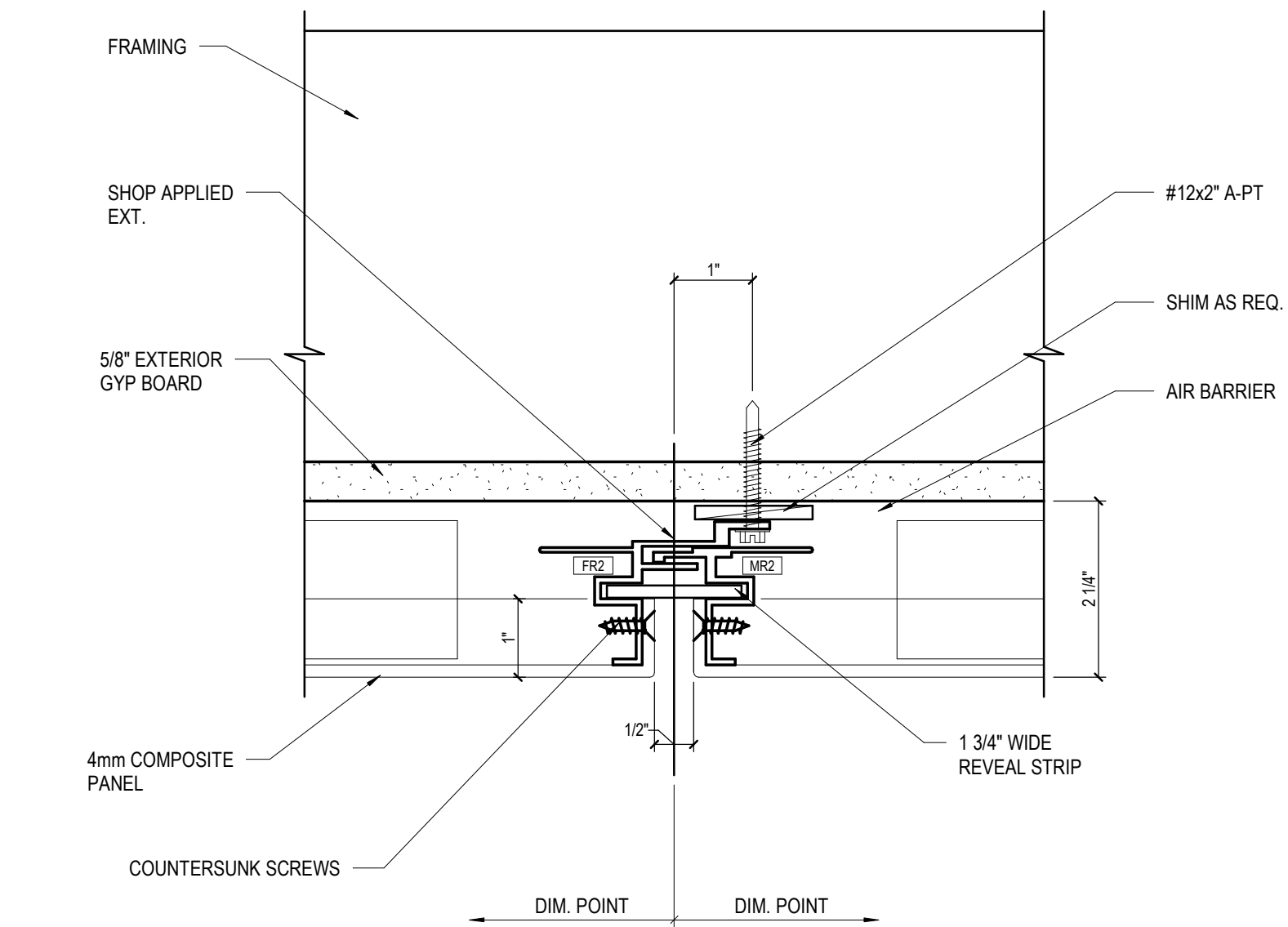
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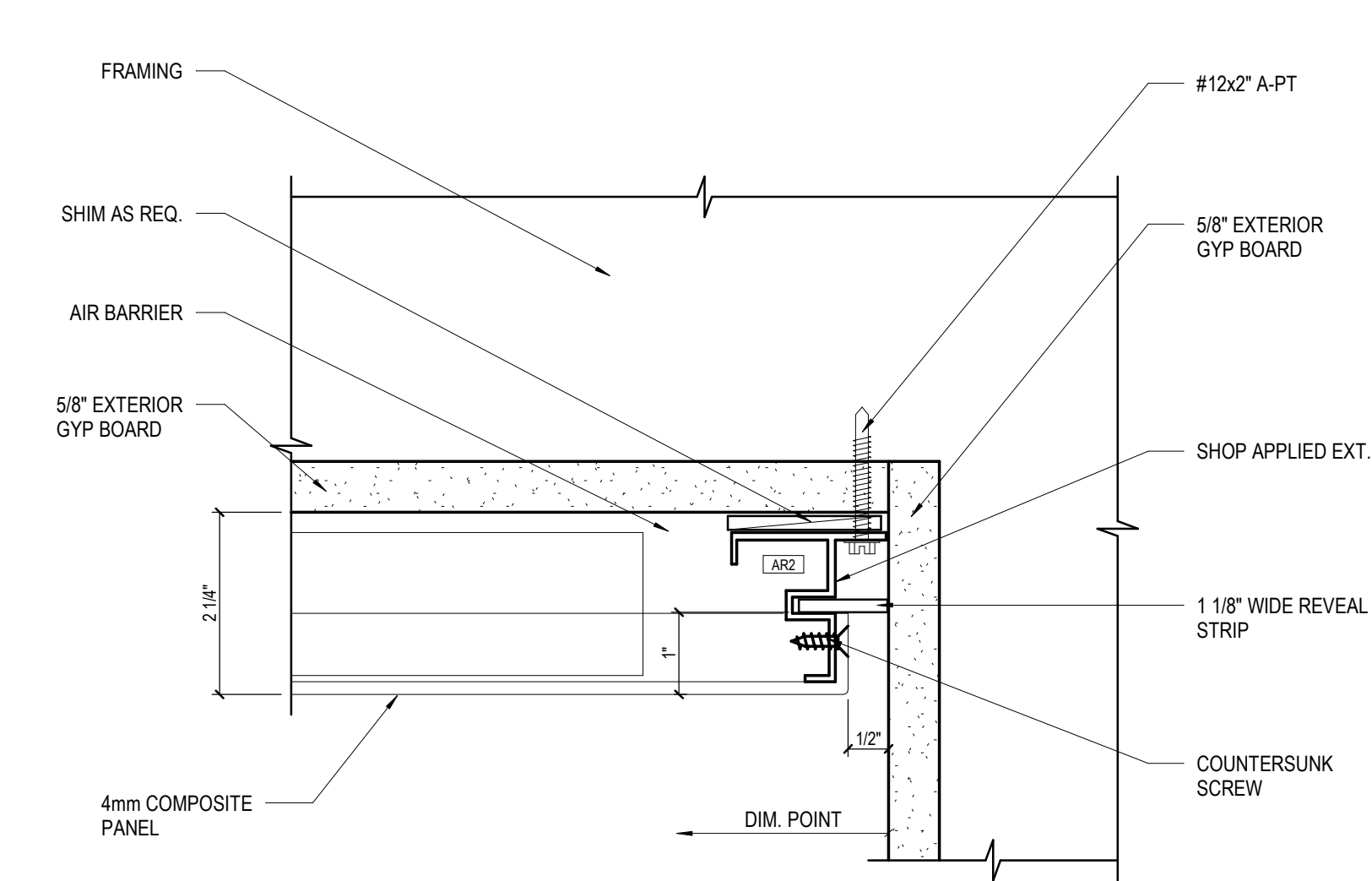
**HORIZONTAL JOINT LINE DETAIL**

SCALE: HALF



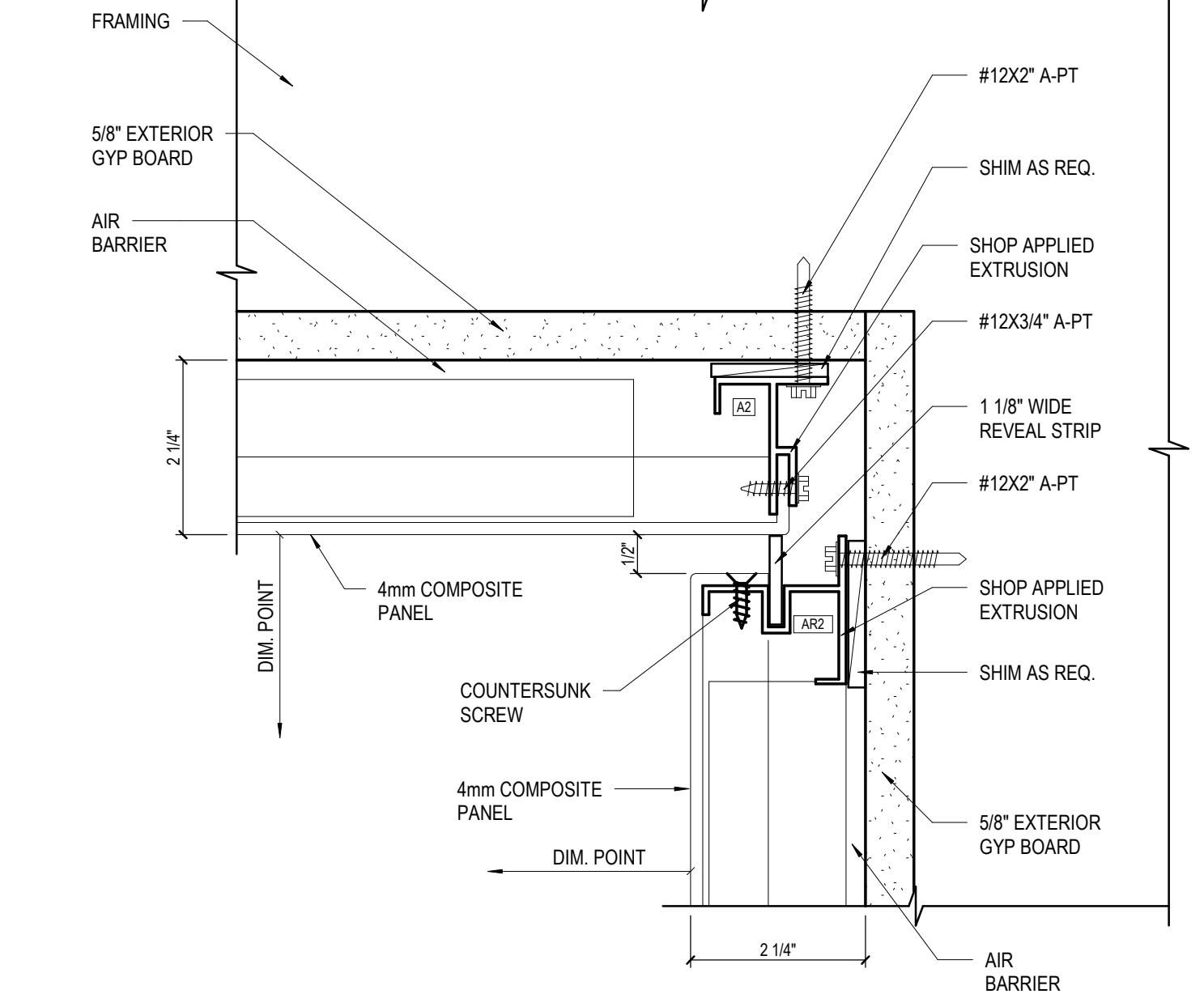
**VERTICAL JOINT LINE DETAIL**

SCALE: HALF



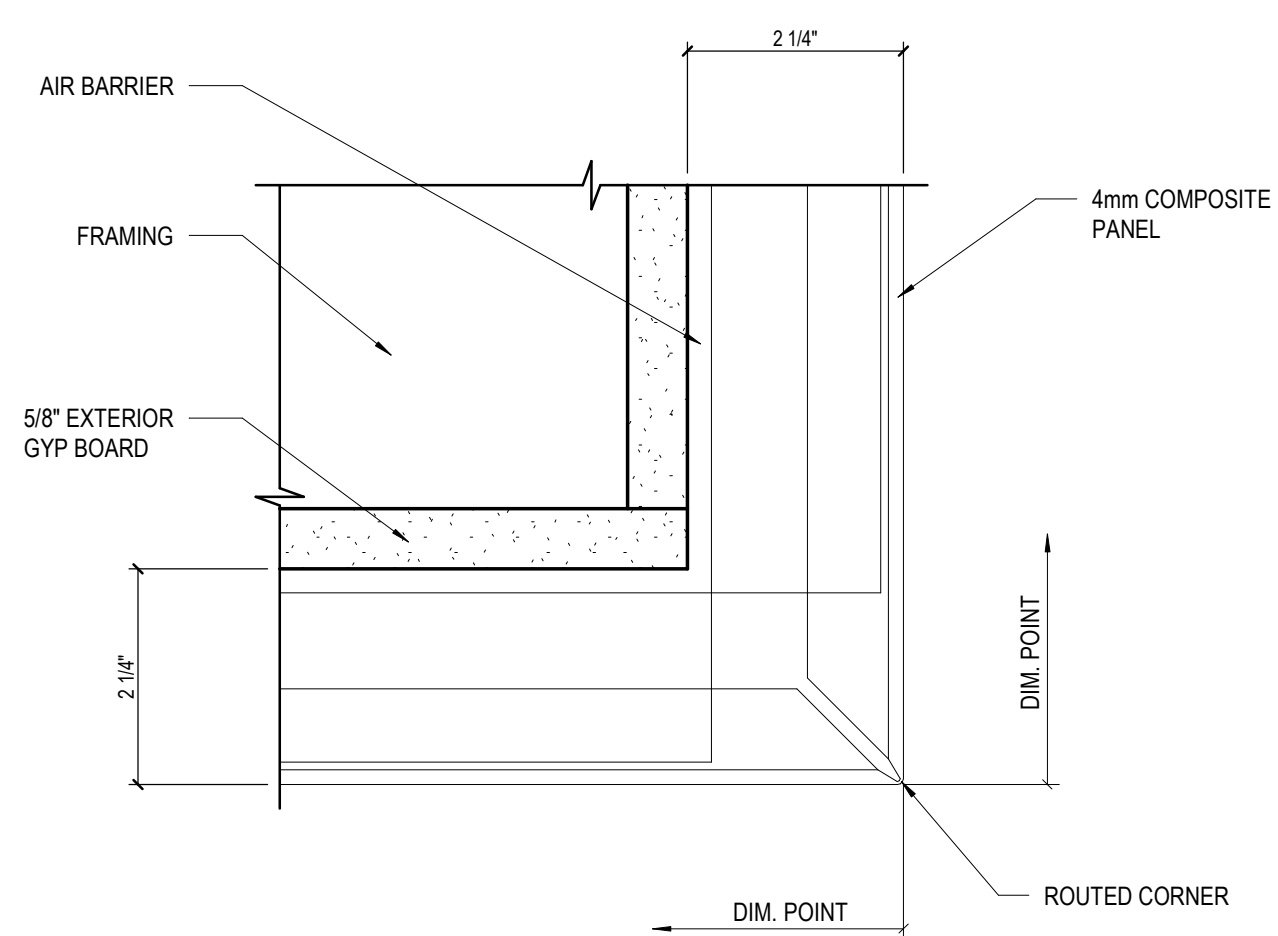
**PANEL TERMINATION @ WALL**

SCALE: HALF



**INSIDE CORNER DETAIL**

SCALE: HALF



**OUTSIDE CORNER DETAIL**

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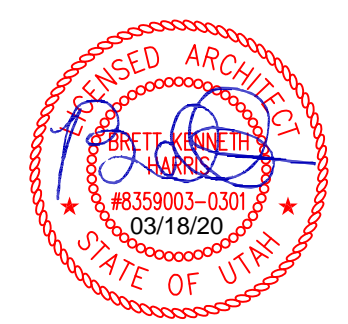
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**BLOSSOM RESTAURANT**  
 TYP ALUM COMP. METAL PANEL DETAILS

03/18/2020

**A4.5**

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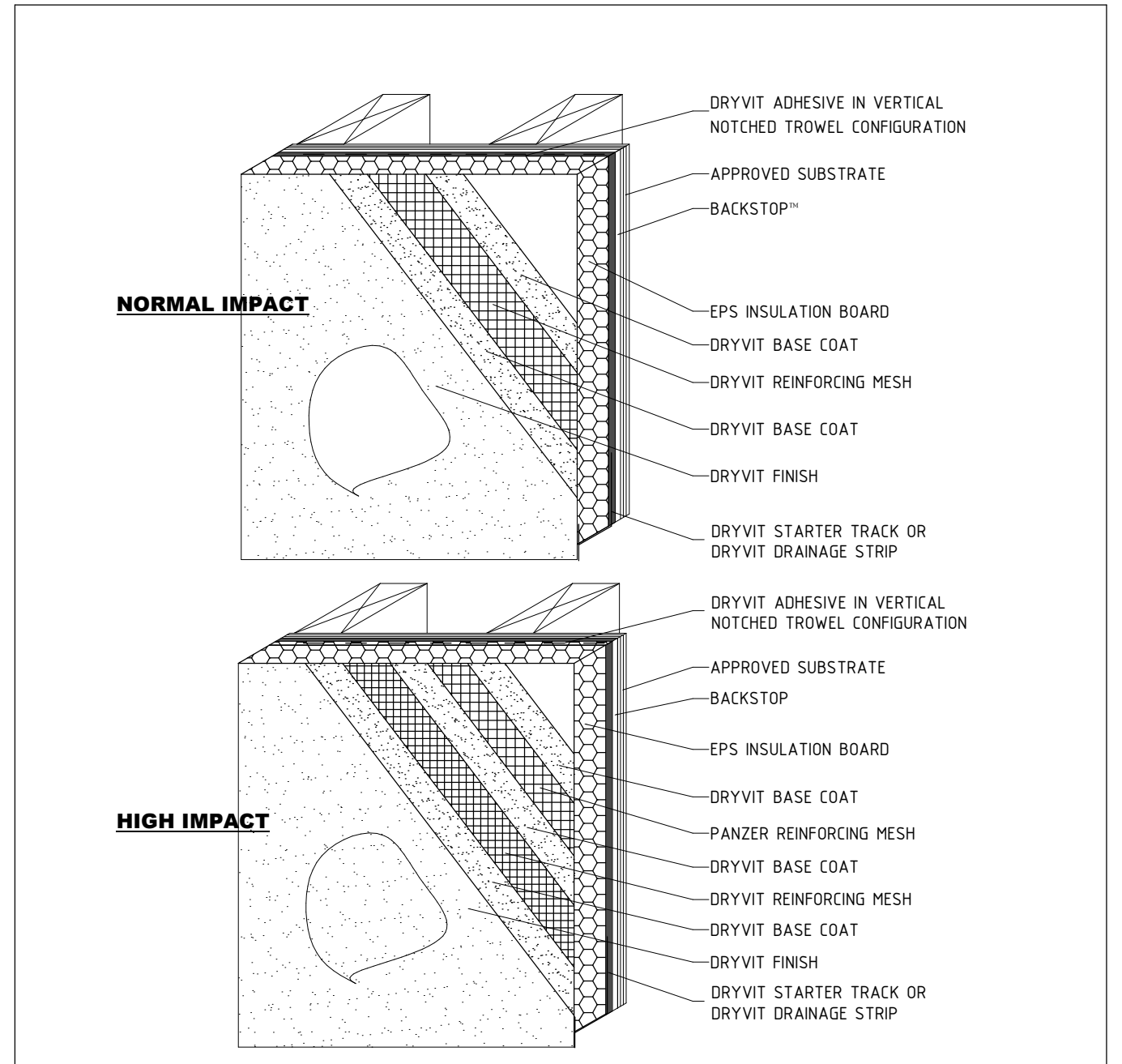
BLOSSOM RESTAURANT  
TYPICAL EIFS DETAILS

03/18/2020

A4.6

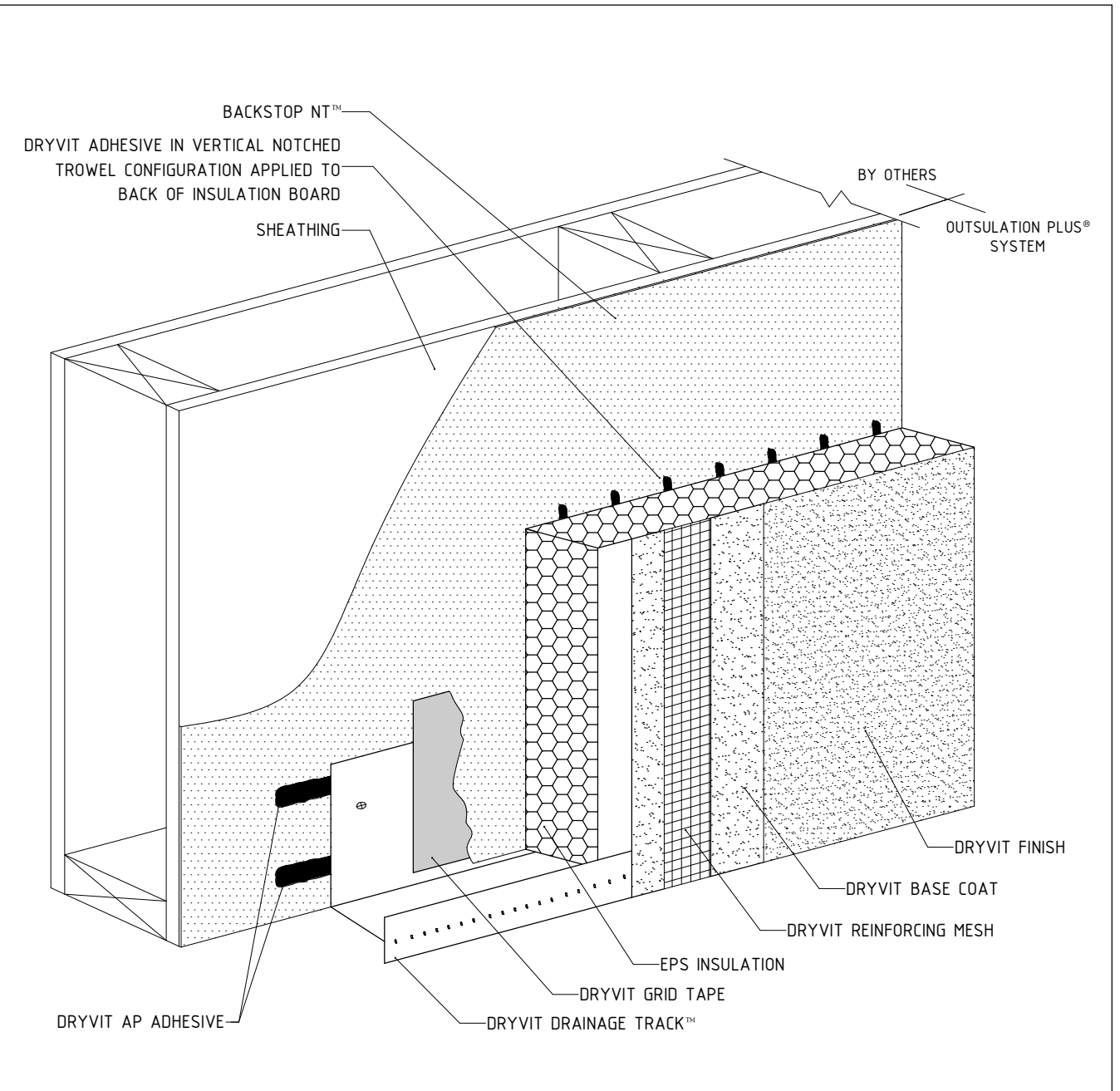


OPL 0.0.01



Outsulation Plus Outsulation Plus System

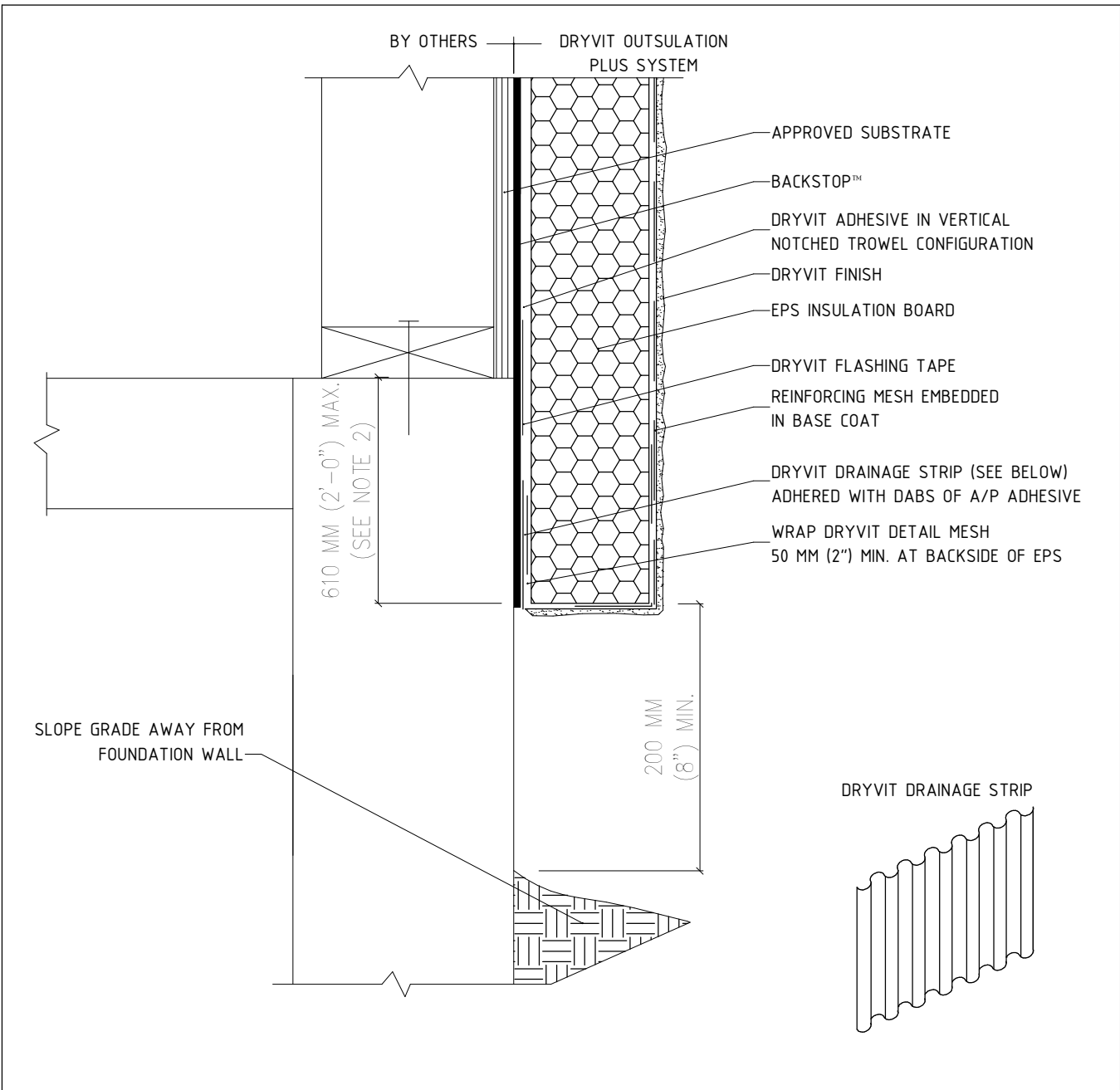
OPL 0.0.02



Outsulation Plus Backstop NT Option

NOTE:  
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD OR STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.  
2. LIGHTLY SAND SURFACES OF TRACK TO MAXIMIZE ADHESION.

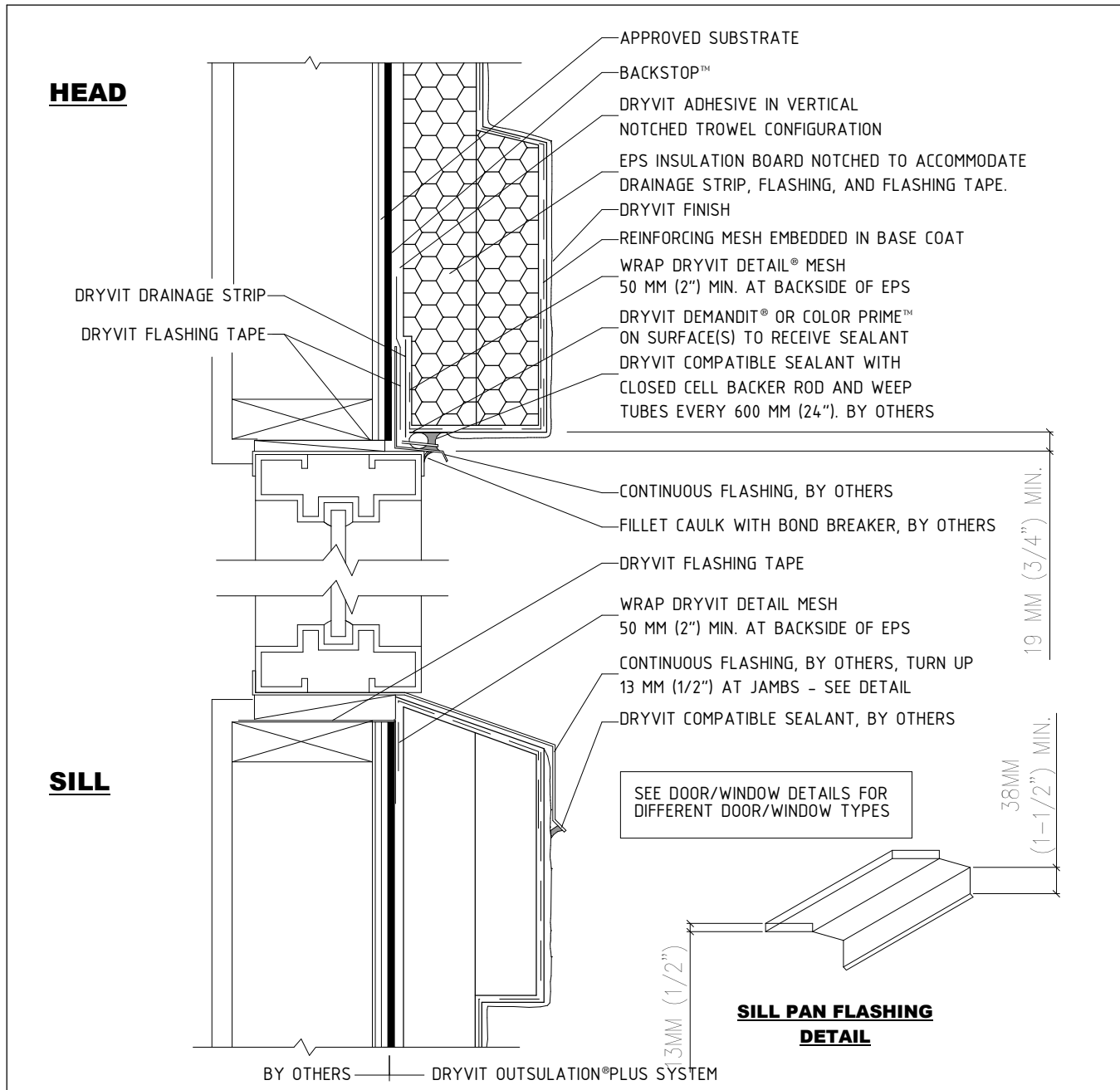
OPL 0.0.04



Outsulation Plus Foundation With Drainage Strip

NOTE:  
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD OR STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.  
2. EXPANSION JOINT IS REQUIRED ALONG TOP OF FOUNDATION IF 610 MM (2'-0") MAX. (SEE NOTE 2) (2'-0") DIMENSION IS EXCEEDED.

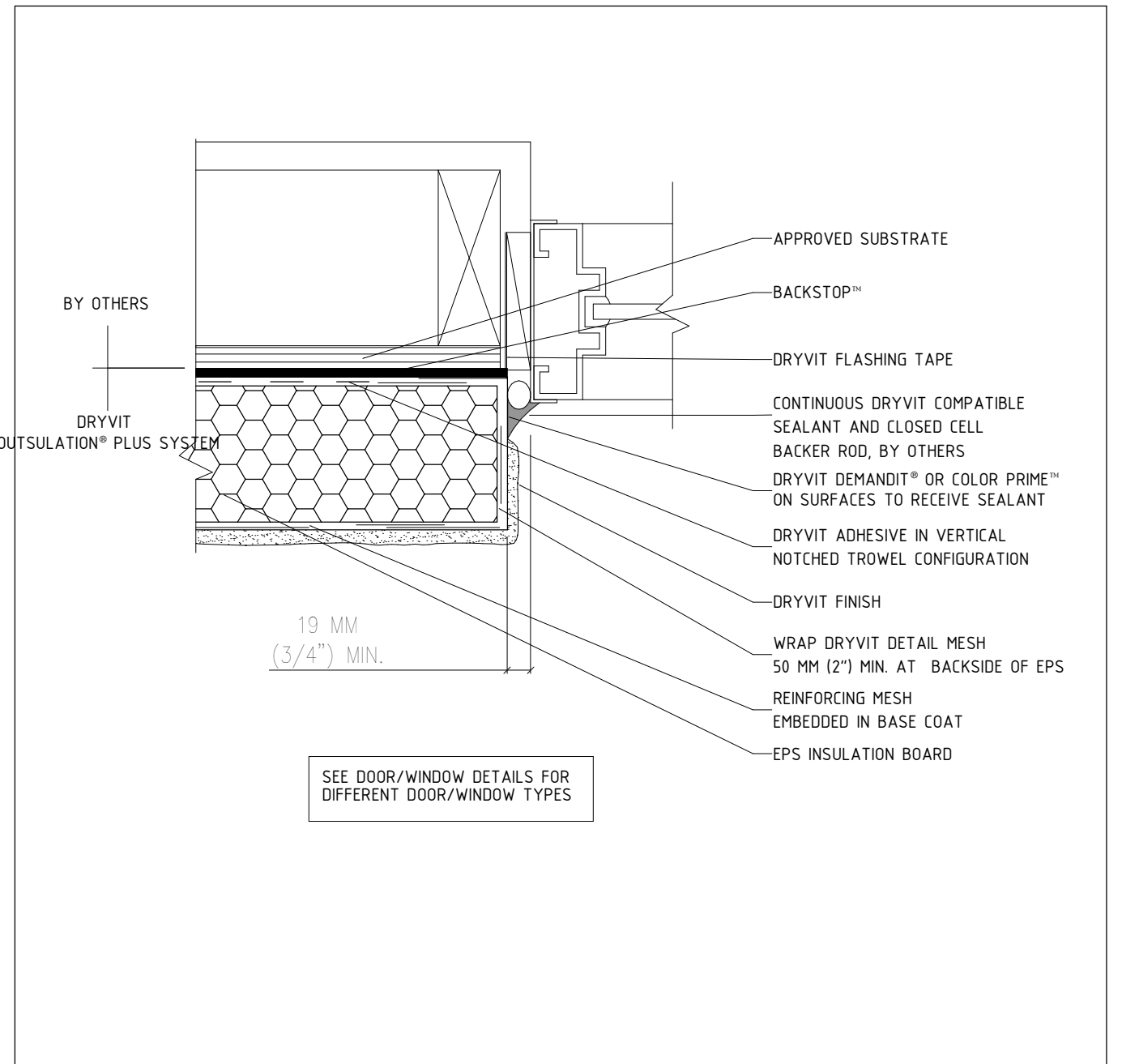
OPL 0.0.06



Outsulation Plus Head/Sill

NOTE:  
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD OR STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.  
2. SEALANT SHOULD NOT BE IN DIRECT CONTACT WITH ASPHALTIC ADHESIVE ON DRYVIT FLASHING TAPE. COVER DRYVIT FLASHING TAPE LAPS WITH POLYETHYLENE TAPE OR BACKER ROD.

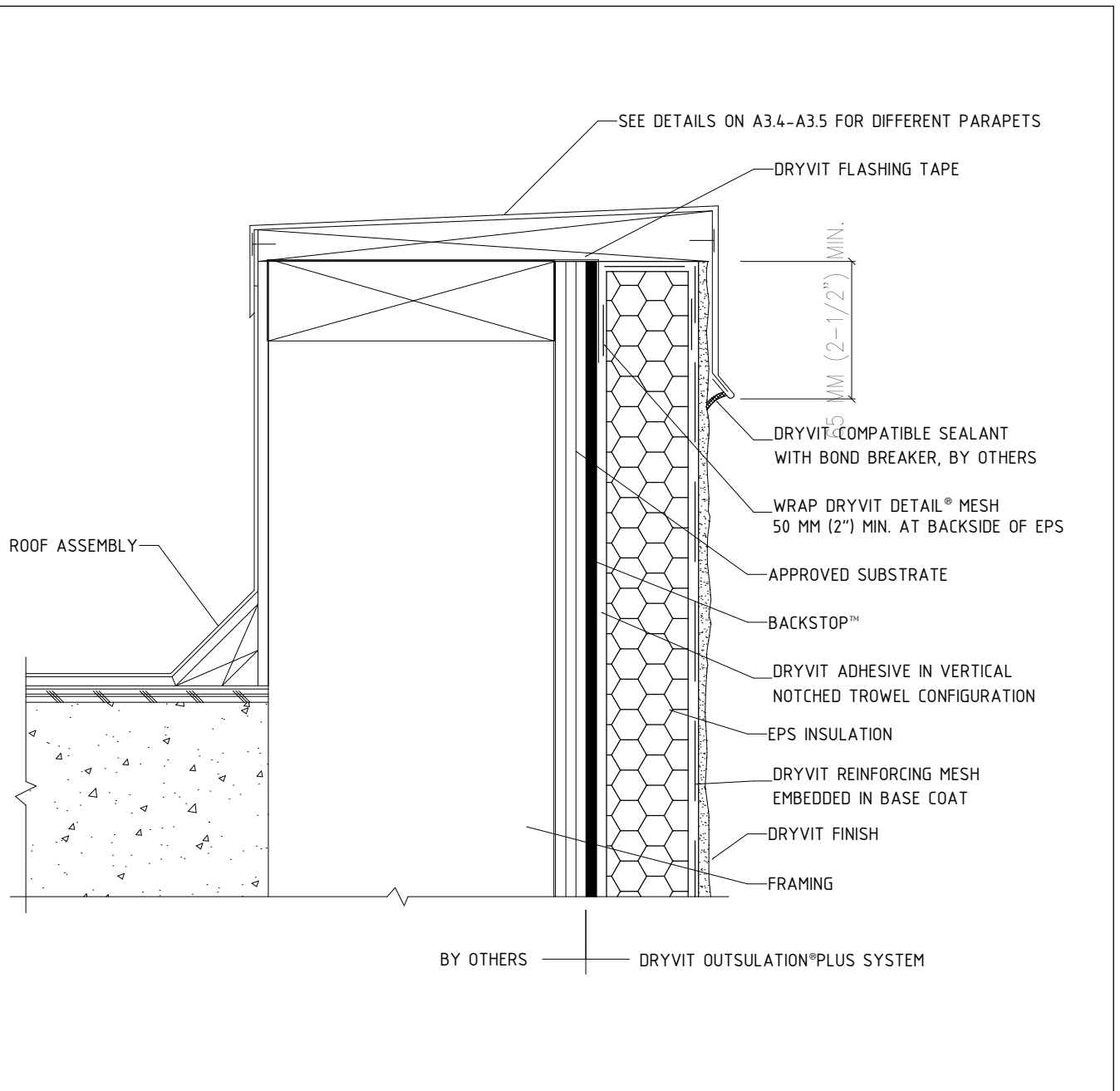
OPL 0.0.12



Outsulation Plus Jamb

NOTE:  
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD OR STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.  
2. SEALANT SHOULD NOT BE IN DIRECT CONTACT WITH ASPHALTIC ADHESIVE ON DRYVIT FLASHING TAPE. COVER DRYVIT FLASHING TAPE LAPS WITH POLYETHYLENE TAPE OR BACKER ROD.

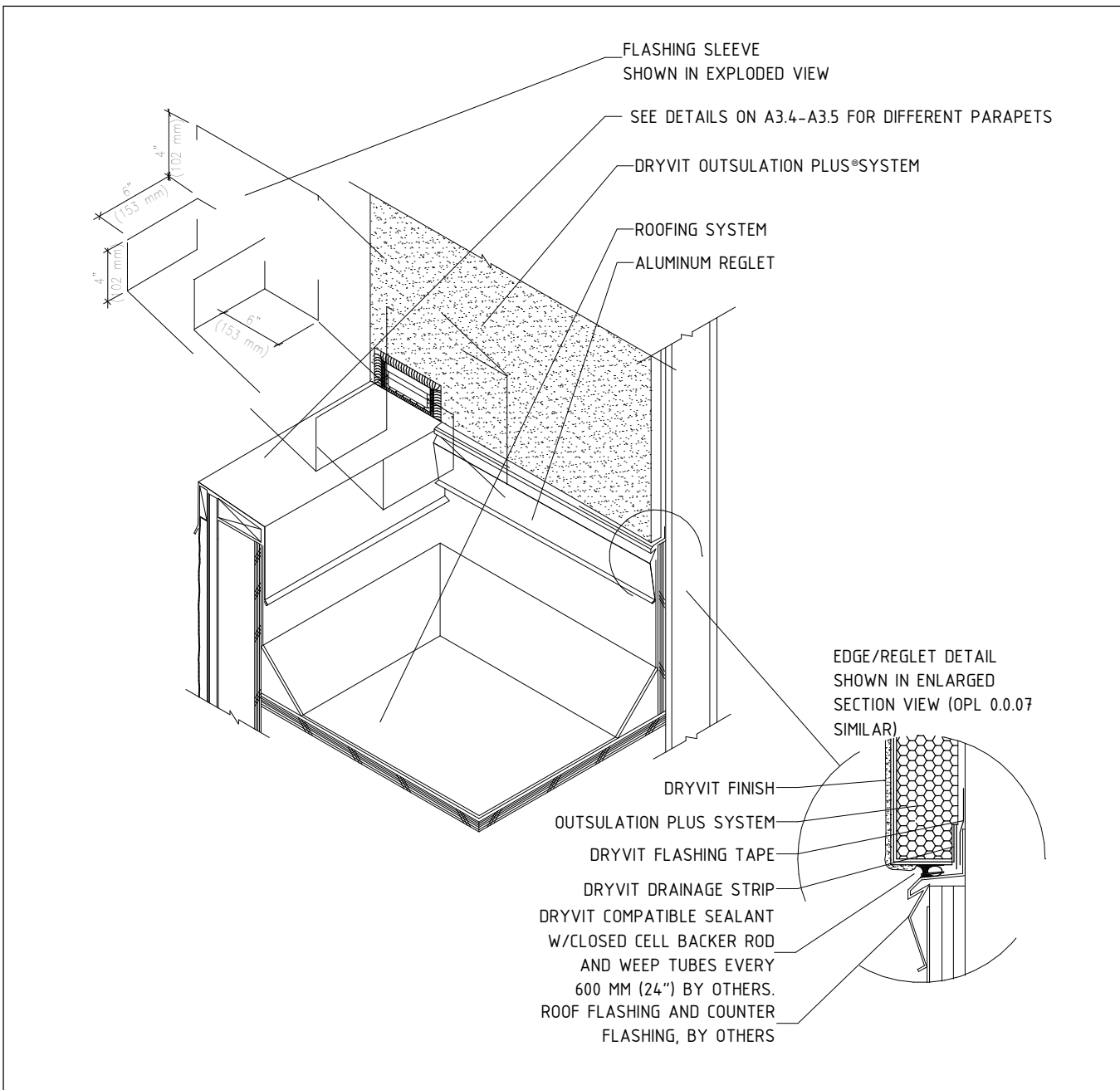
OPL 0.0.13



Outsulation Plus Parapet - Cap Flashing

NOTE:  
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD OR STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

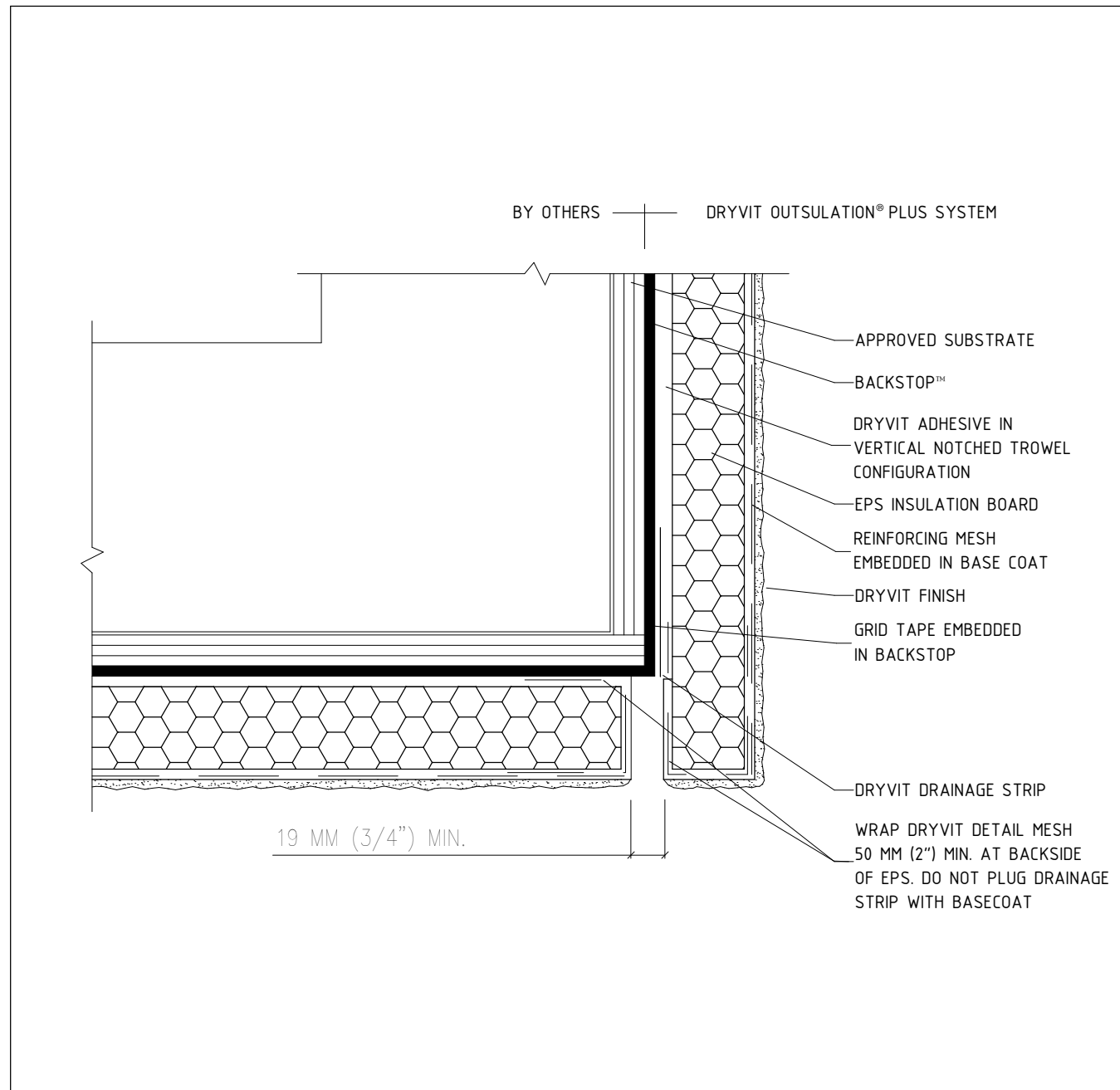
OPL 0.0.14



Outsulation Plus Parapet/Wall Termination

NOTE:  
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD OR STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.  
2. LAP ALL FLASHING AND WATER RESISTANT BARRIERS IN SINGLE FASHION.  
3. USE FLASHING TAPE AT WALL/SLEEVE TRANSITION.

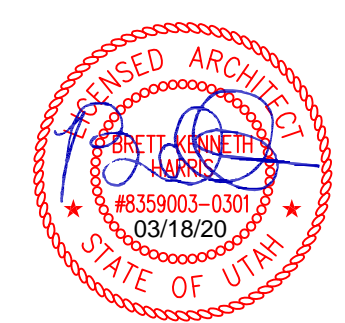
OPL 0.0.16



Outsulation Plus Soffit/Fascia Intersection

NOTE:  
1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER MESH PRIOR TO STANDARD OR STANDARD PLUS MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.  
2. BOTTOM EDGE OF DRYVIT DRAINAGE STRIP SHALL BE MASKED DURING INSTALLATION TO PREVENT CLOGGING OF DRAINAGE CHANNELS.

NOTE: DETAILS SHOWN ARE FOR EIFS STANDARD INSTALLATION ONLY. SEE SHEETS A3.5-A3.6 FOR JOB SPECIFIC DETAILS ON PARAPETS, WINDOWS, FOUNDATIONS, ETC...



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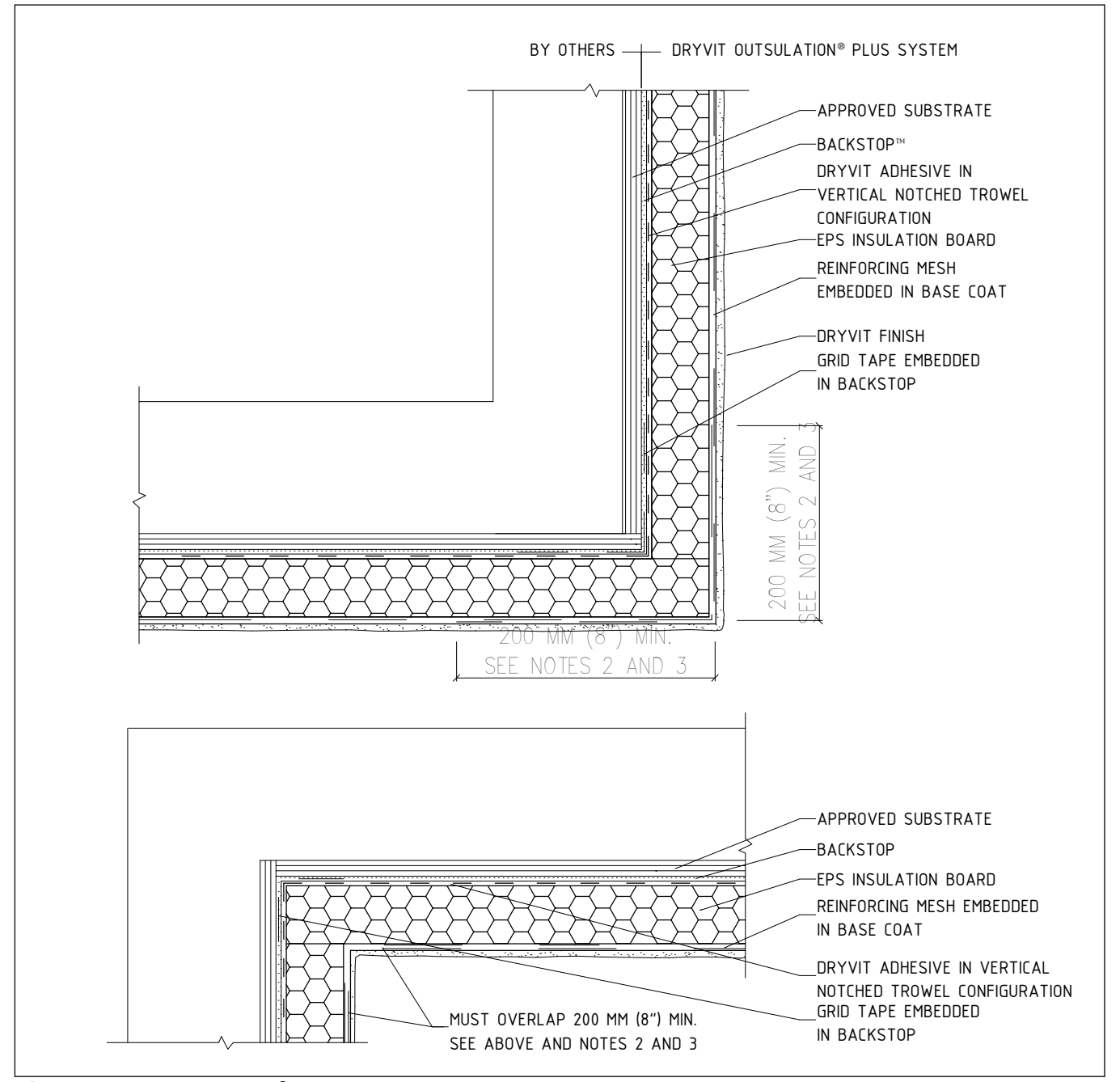
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920 E 800 N, OREM UT 84097 | 801-377-6003 | WWW.HARRISARCHITECTURE.COM

**BLOSSOM RESTAURANT**  
TYPICAL EIFS DETAILS

03/18/2020

**A4.6A**

**OPL 0.0.18**

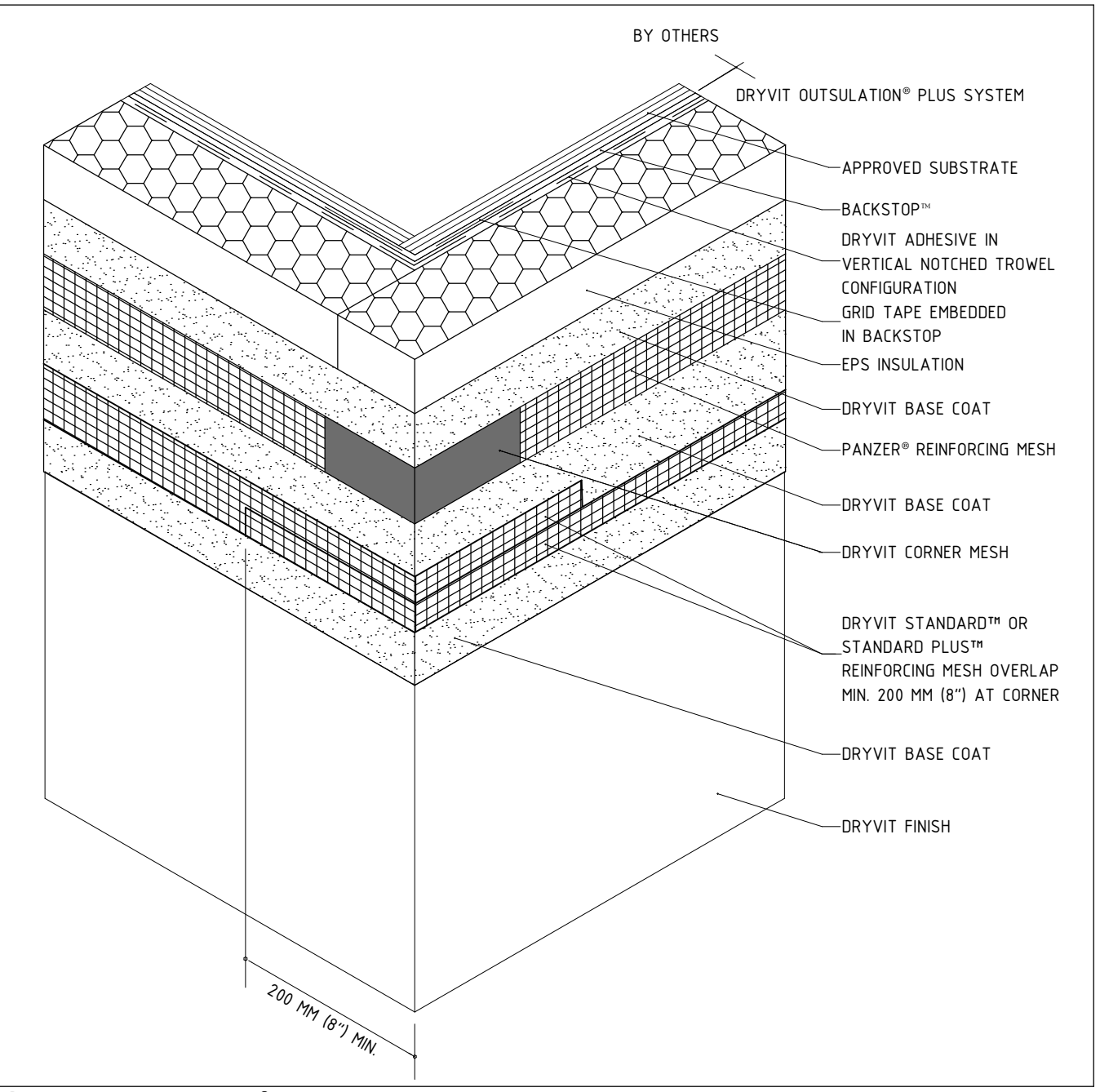


**Outsulation® Plus** Inside/Outside Corners

NOTE:

1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.
2. DOUBLE WRAP OUTSIDE CORNERS WITH REINFORCING MESH OR USE CORNER MESH.
3. DO NOT LAP REINFORCING MESH WITHIN 200 MM (8") OF A CORNER.

**OPL 0.0.19**

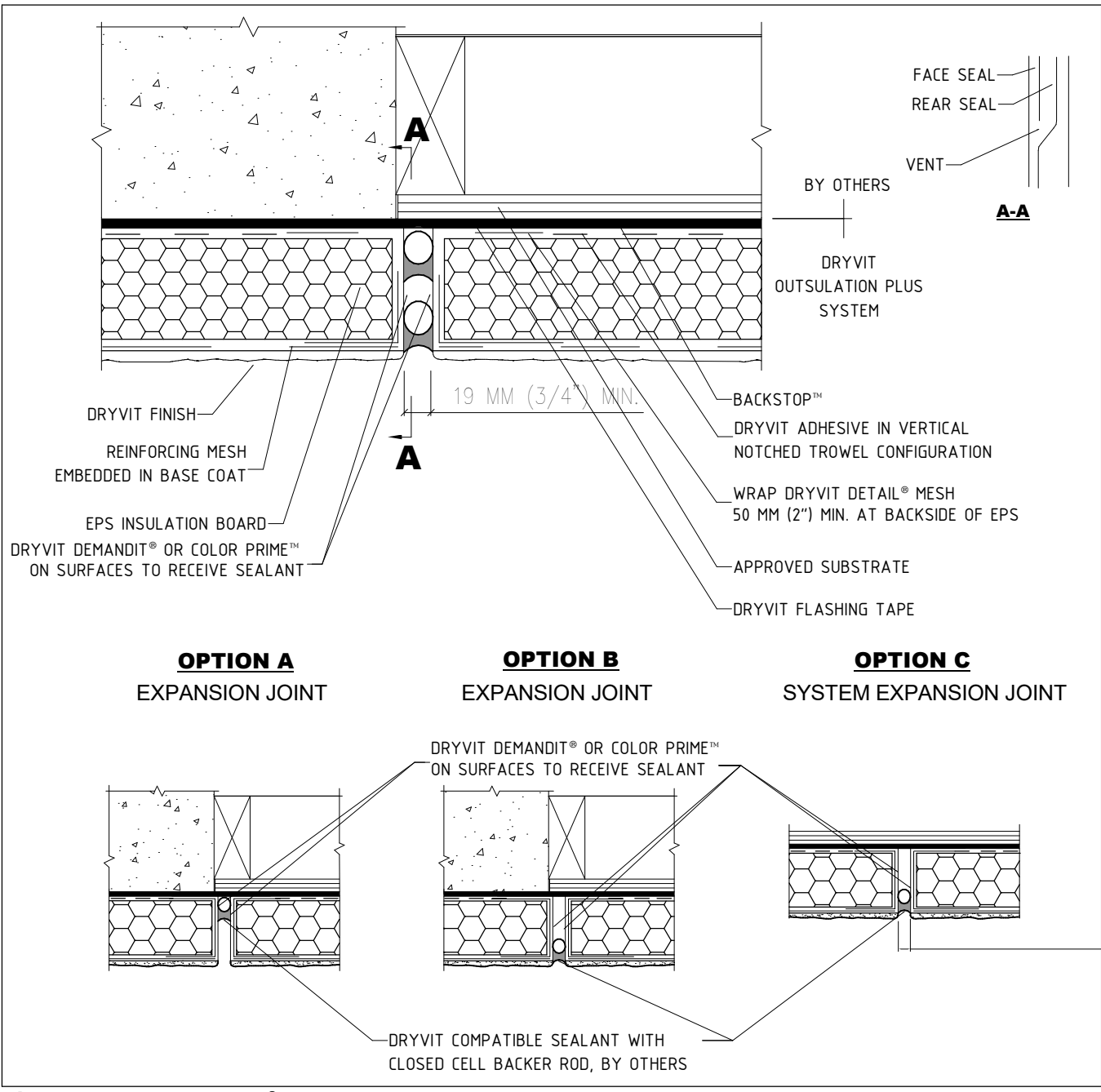


**Outsulation® Plus** Outside Corner - High Impact

NOTE:

1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

**OPL 0.0.22**

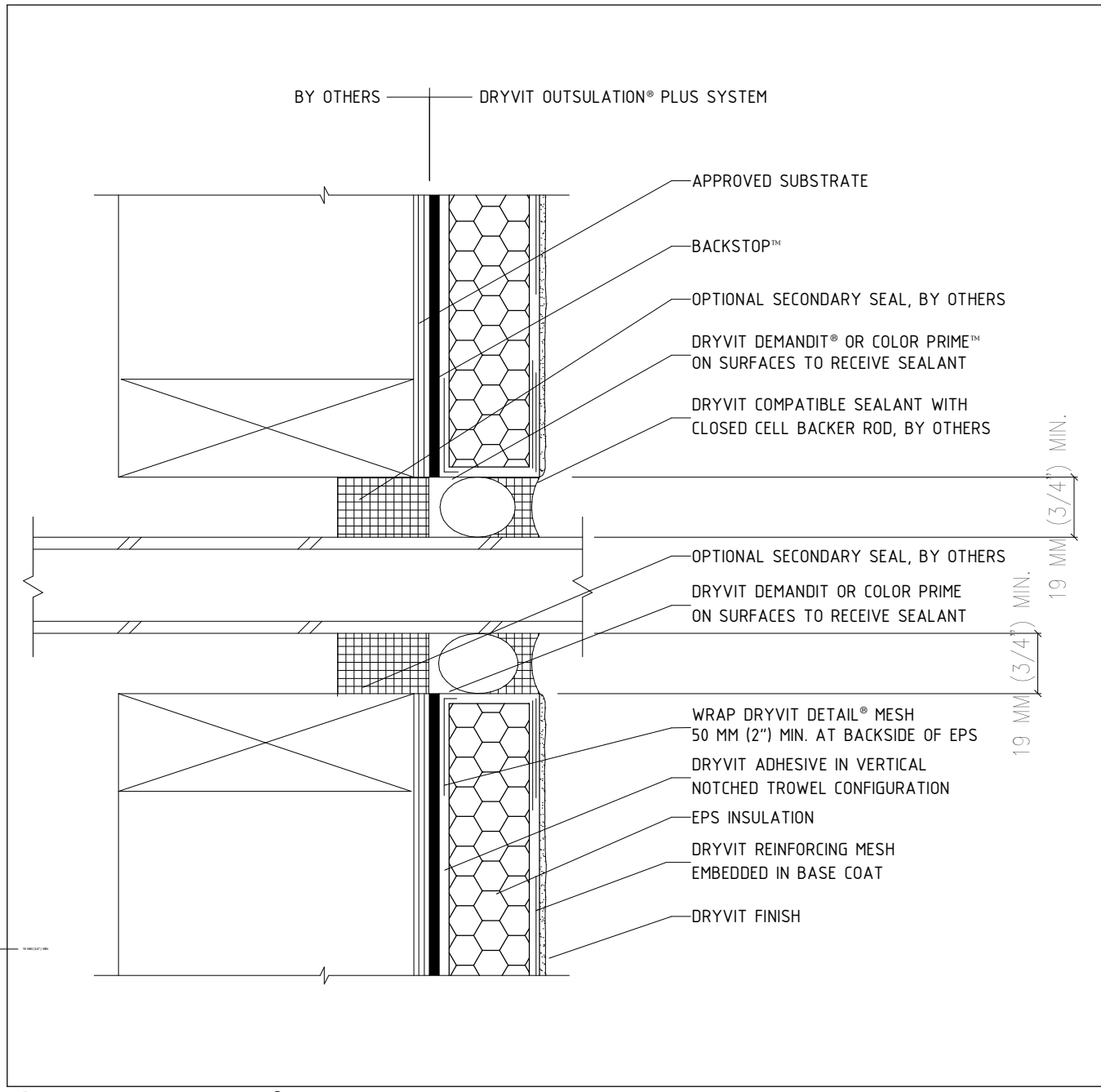


**Outsulation® Plus** Expansion Joint Options

NOTE:

1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.
2. SEALANT SHOULD NOT BE IN DIRECT CONTACT WITH ASPHALTIC ADHESIVE ON DRYVIT FLASHING TAPE. COVER DRYVIT FLASHING TAPE LAPS WITH POLYETHYLENE TAPE OR BACKER ROD.

**OPL 0.0.24**

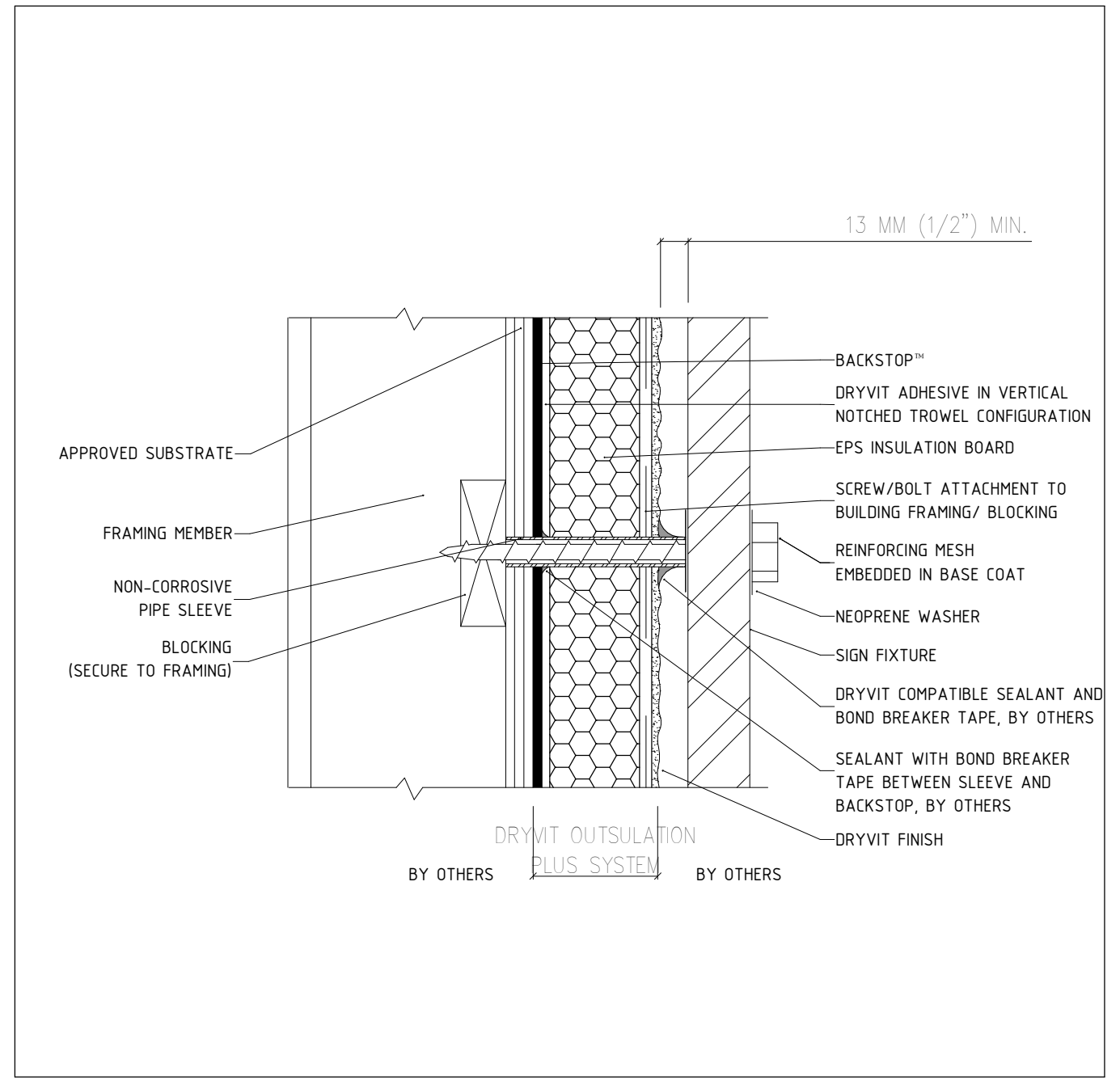


**Outsulation® Plus** Penetrations

NOTE:

1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.

**OPL 0.0.26**

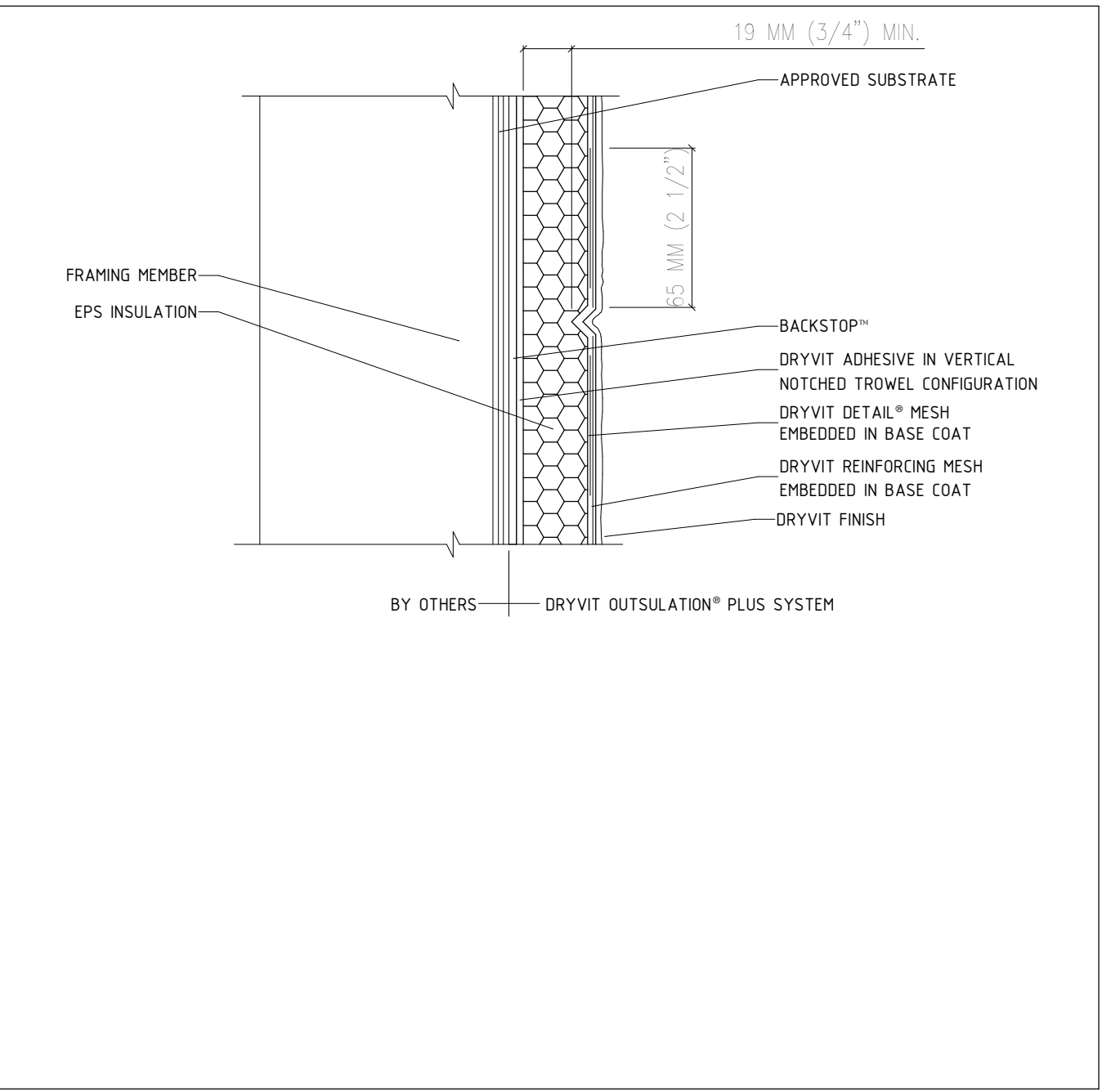


**Outsulation® Plus** Sign Attachment

NOTE:

1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.
2. ENTIRE PERIMETER OF PIPE SLEEVE IS CAULKED TO PREVENT WATER ENTRY INTO WALL.

**OPL 0.0.27**

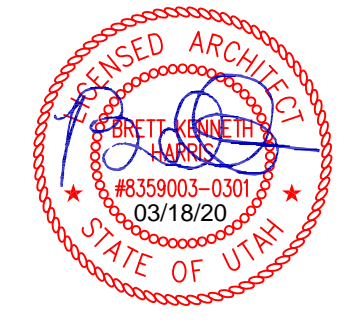


**Outsulation® Plus** Aesthetic Reveals

NOTE:

1. DRYVIT RECOMMENDS THAT GROUND FLOOR APPLICATIONS AND ALL FACADES EXPOSED TO ABNORMAL STRESS, HIGH TRAFFIC, OR DELIBERATE IMPACT HAVE THE BASE COAT REINFORCED WITH PANZER® MESH PRIOR TO STANDARD™ OR STANDARD PLUS™ MESH. LOCATION OF HIGH IMPACT ZONES SHOULD BE INDICATED ON CONTRACT DRAWINGS.
2. SLOPE BOTTOM EDGE OF REVEAL FOR POSITIVE DRAINAGE.

NOTE: DETAILS SHOWN ARE FOR EIFS STANDARD INSTALLATION ONLY. SEE SHEETS A3.5-A3.6 FOR JOB SPECIFIC DETAILS ON PARAPETS, WINDOWS, FOUNDATIONS, ETC...



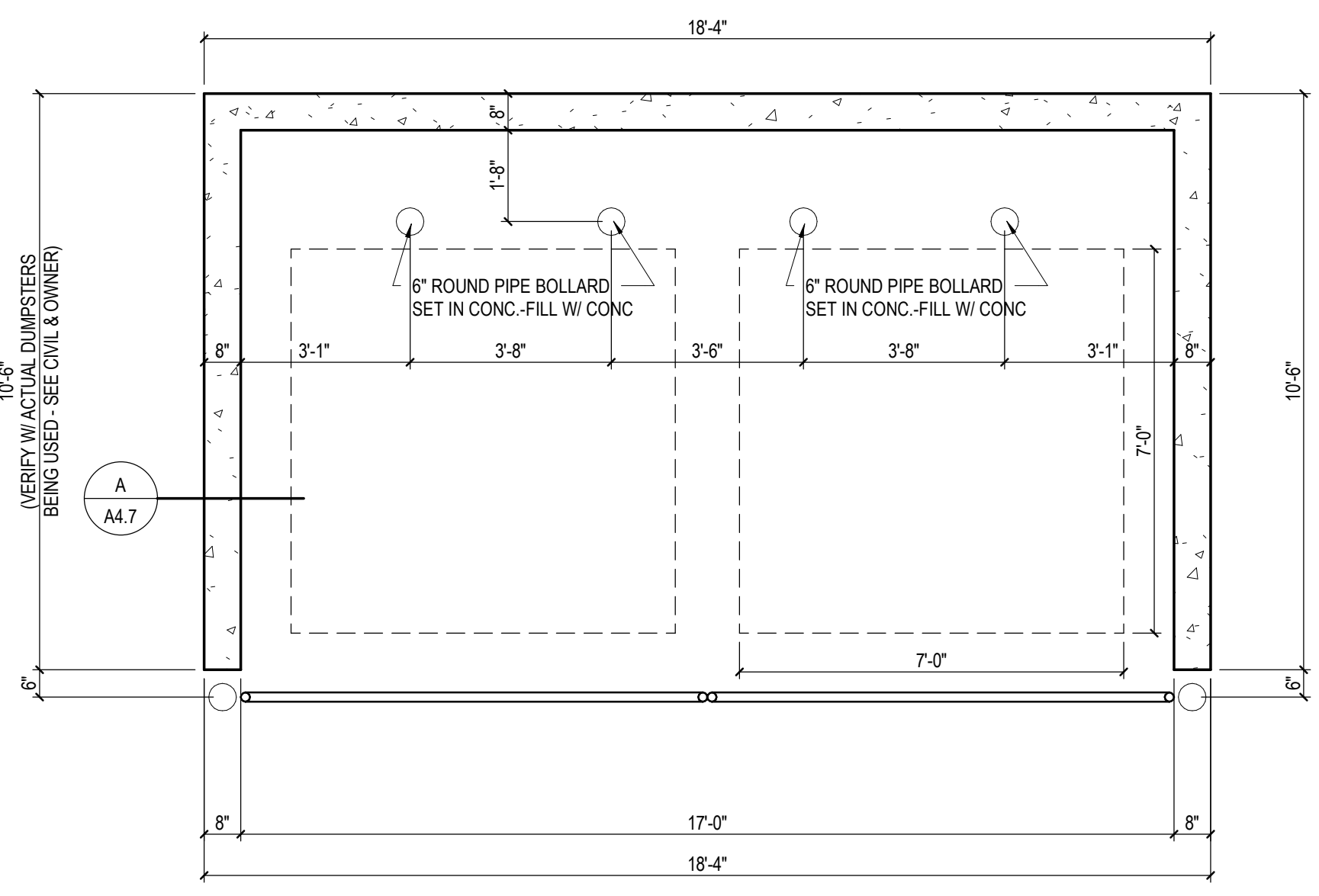
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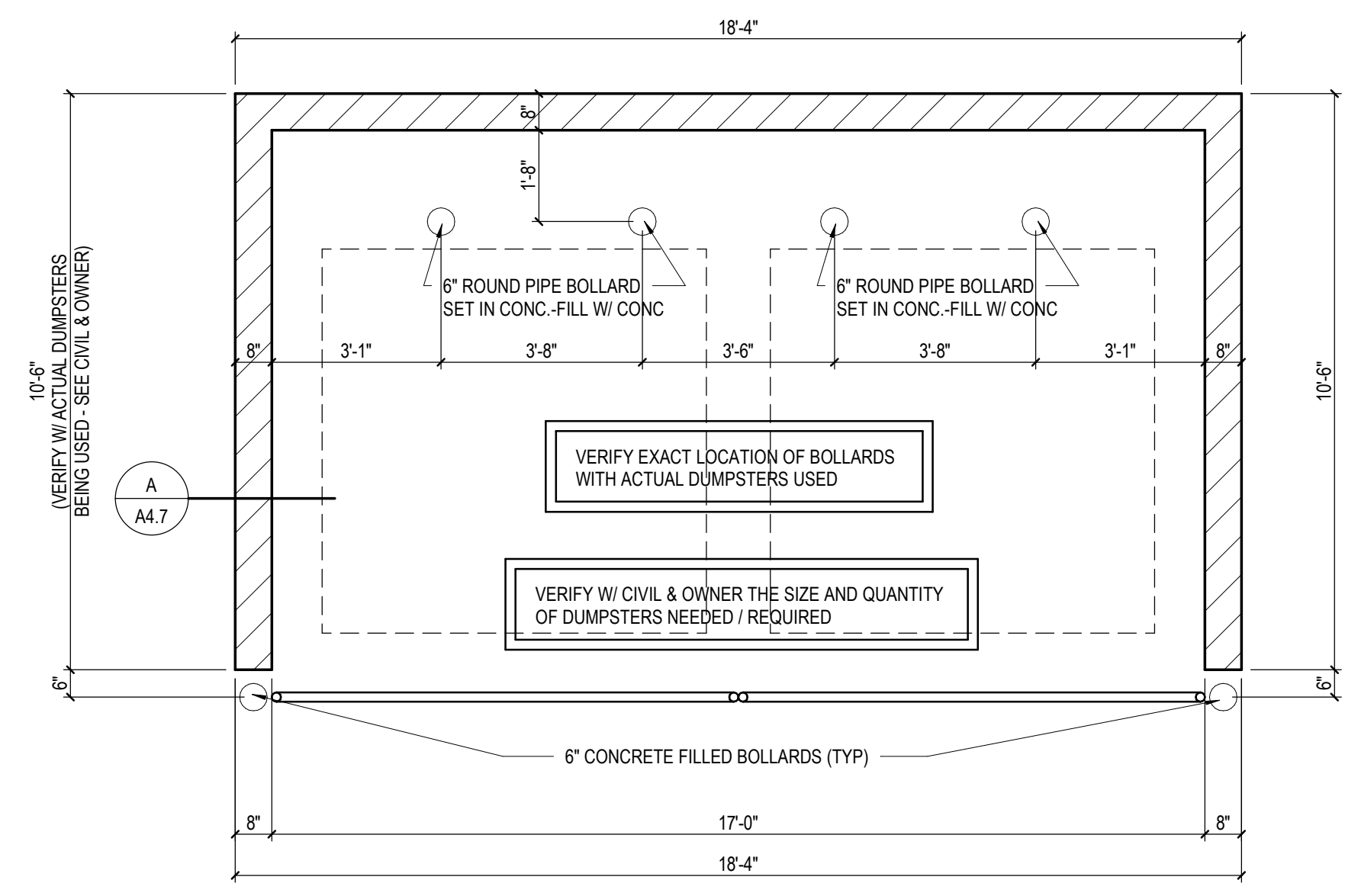
**BUILDING PERMIT SET 03/18/2020**



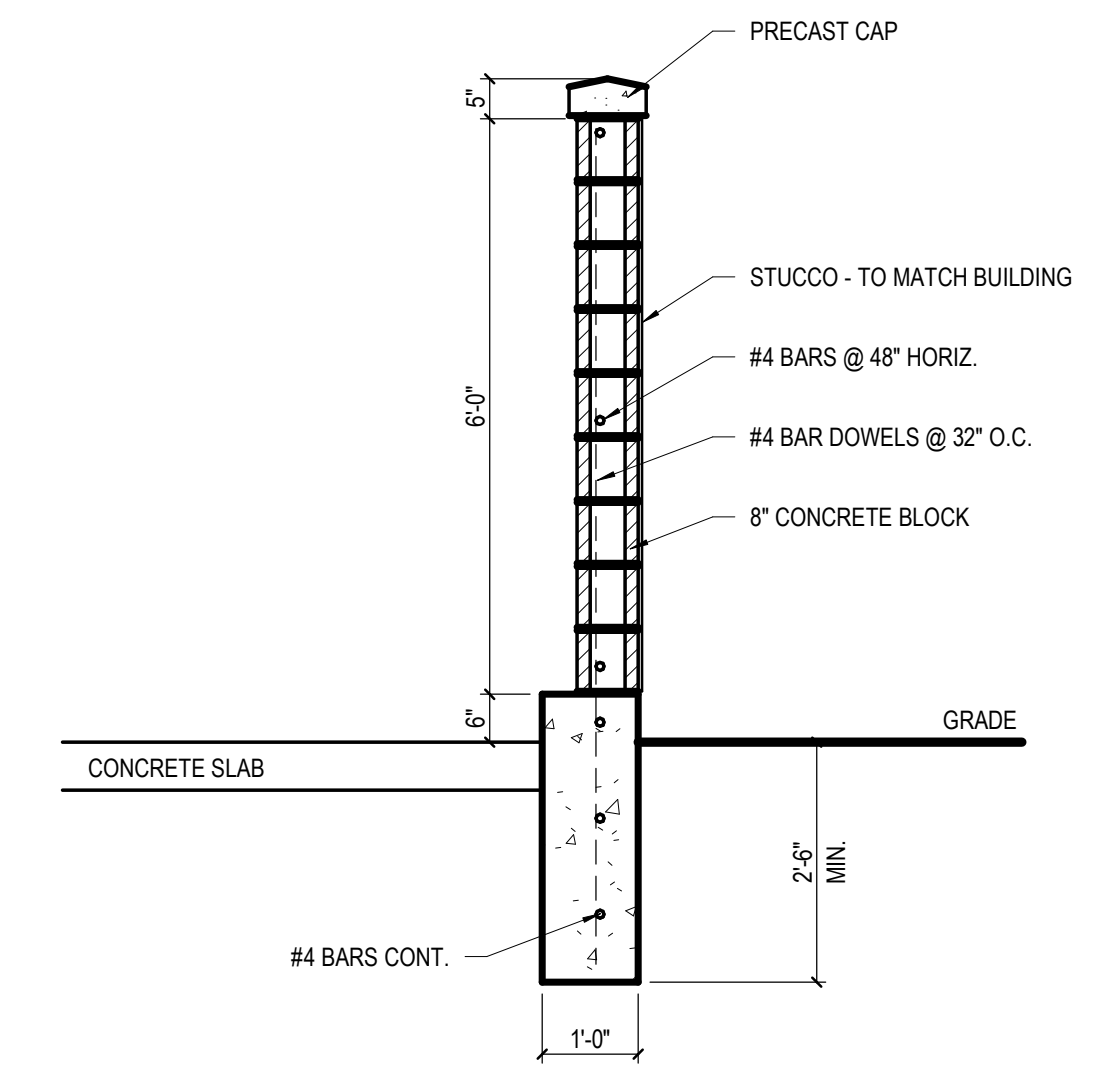
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**DUMPSTER FOOTING & FOUNDATION**  
 SCALE: 3/8" = 1'-0"

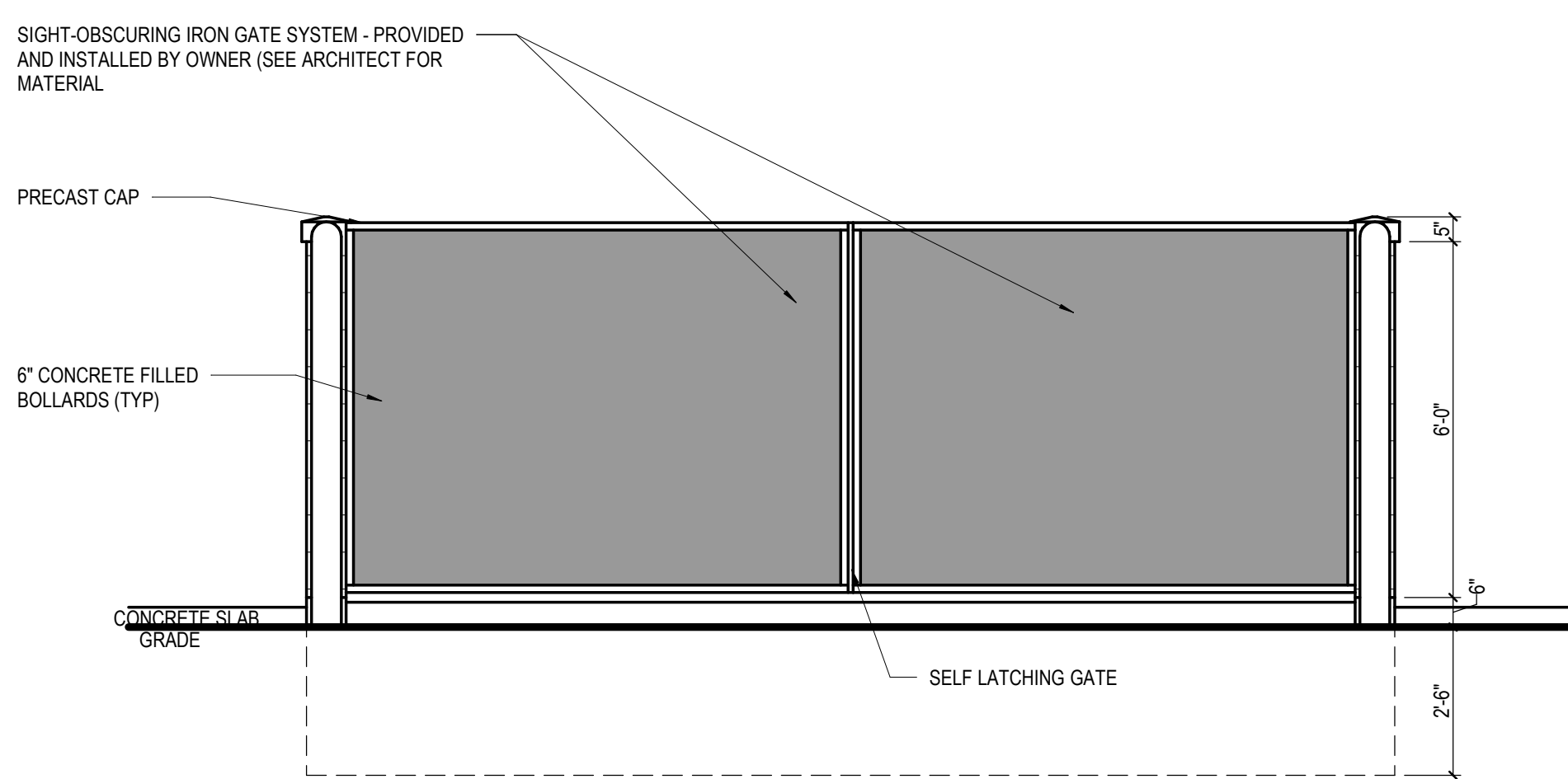


**DUMPSTER PLAN**  
 SCALE: 3/8" = 1'-0"

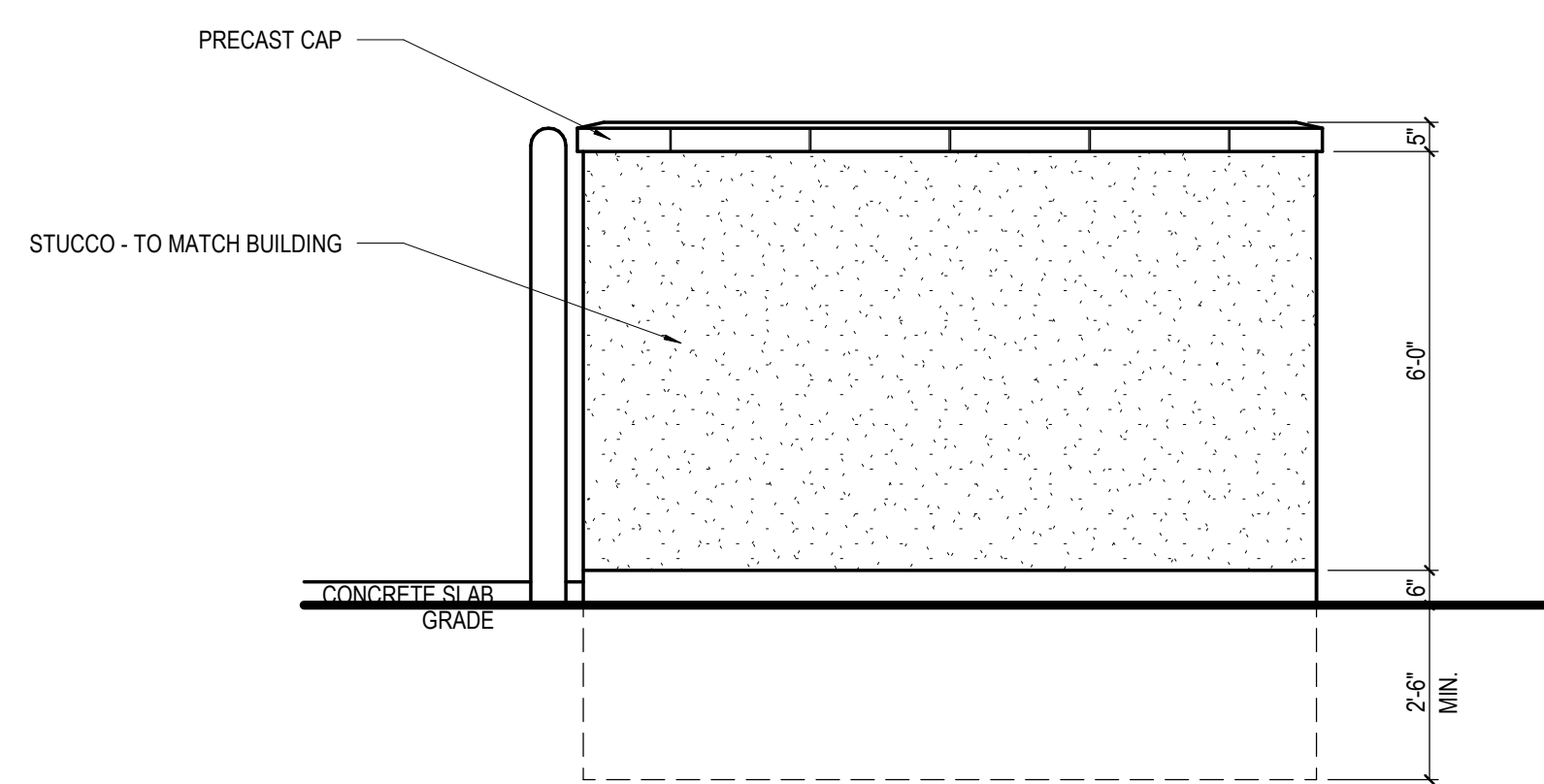


**Dumpster Wall Section**  
 SCALE: 1/2" = 1'-0"

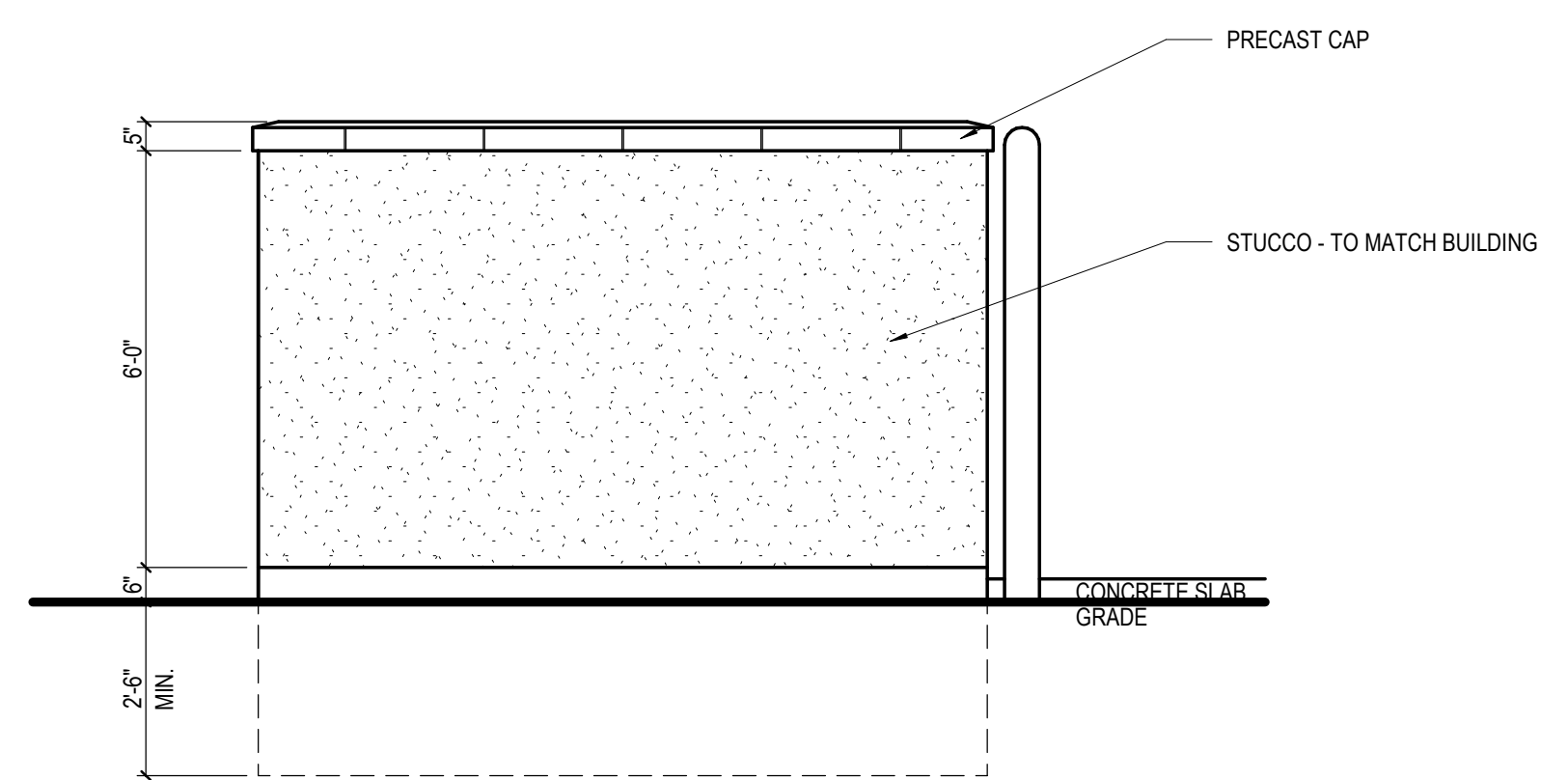
NOTE: VERIFY EXACT SIZE OF ENCLOSURE WITH ACTUAL DUMPSTER(S) USED (SEE CIVIL & OWNER)



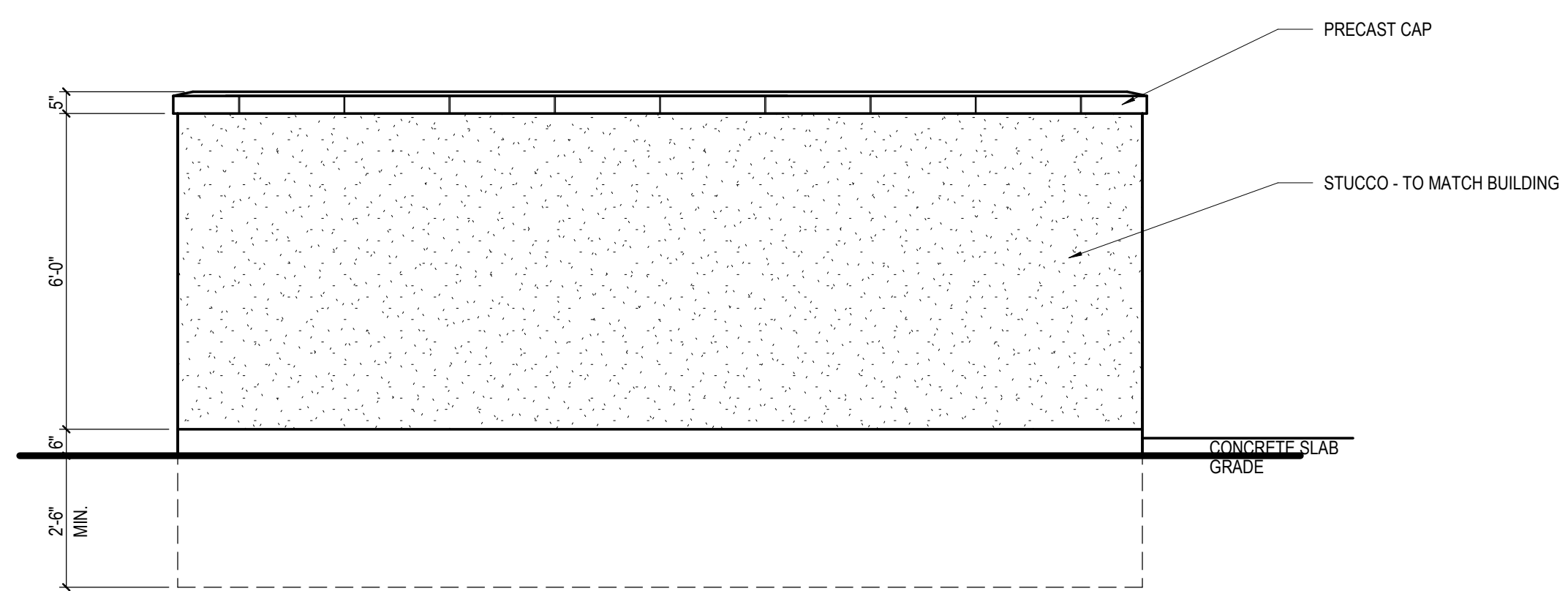
**DUMPSTER FRONT ELEVATION**  
 SCALE: 3/8" = 1'-0"



**DUMPSTER RIGHT ELEVATION**  
 SCALE: 3/8" = 1'-0"



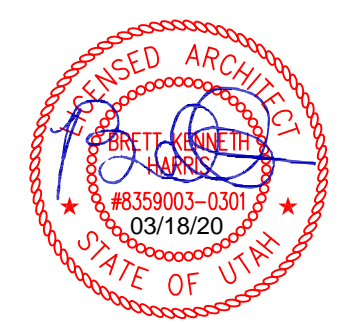
**DUMPSTER LEFT ELEVATION**  
 SCALE: 3/8" = 1'-0"



**DUMPSTER REAR ELEVATION**  
 SCALE: 3/8" = 1'-0"

**DUMPSTER ENCLOSURE DRAWINGS**

NOTE: COORDINATE EXACT NUMBER SIZE, AND LOCATION W/ OWNER AND W/ CIVIL DRAWINGS.



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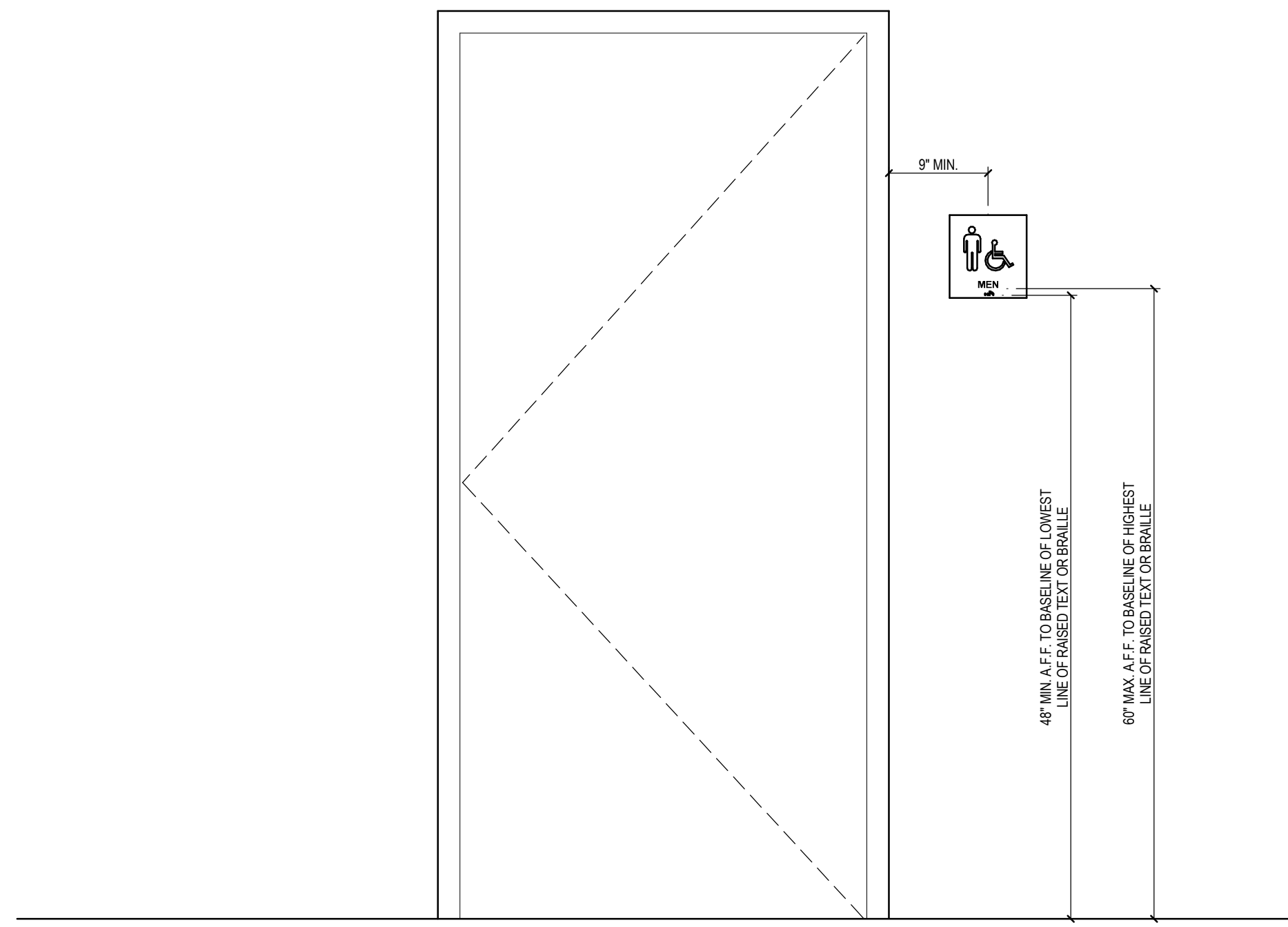
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**BLOSSOM RESTAURANT**  
 DUMPSTER ENCLOSURE DETAILS

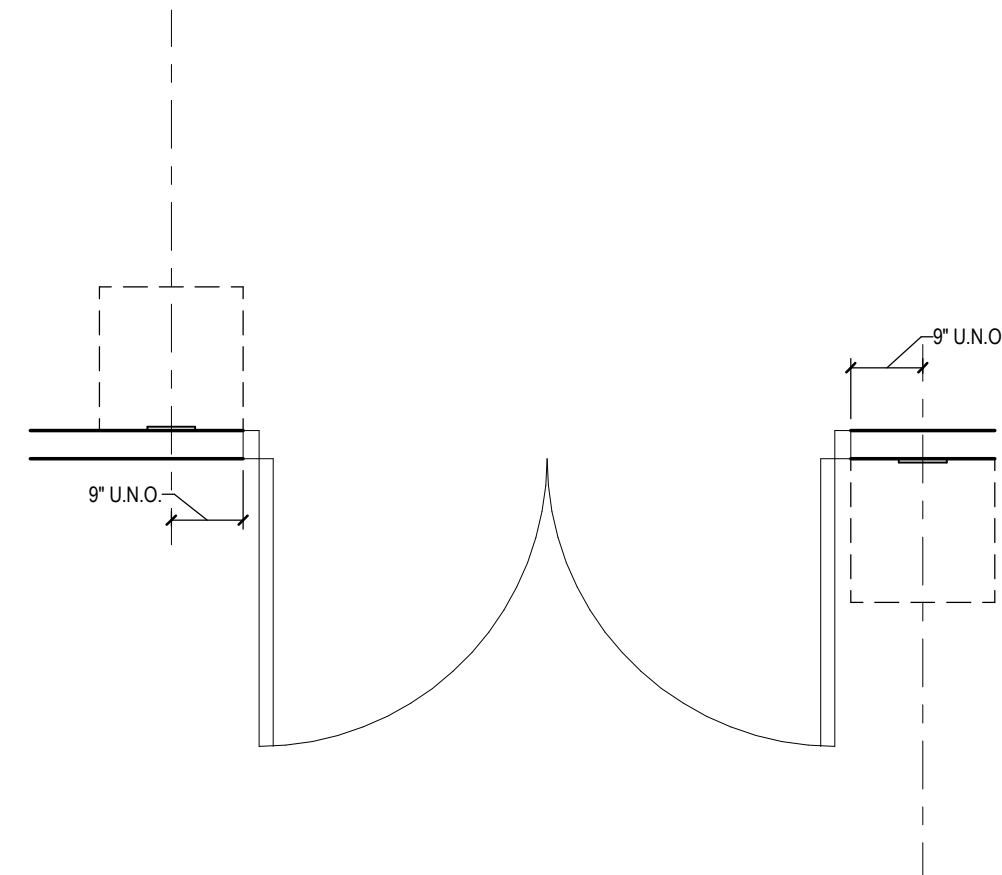
03/18/2020

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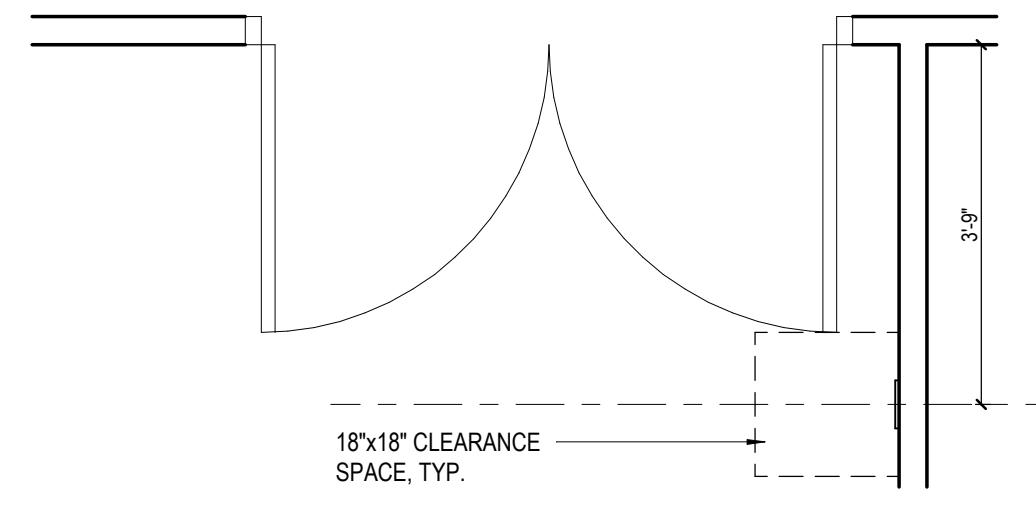
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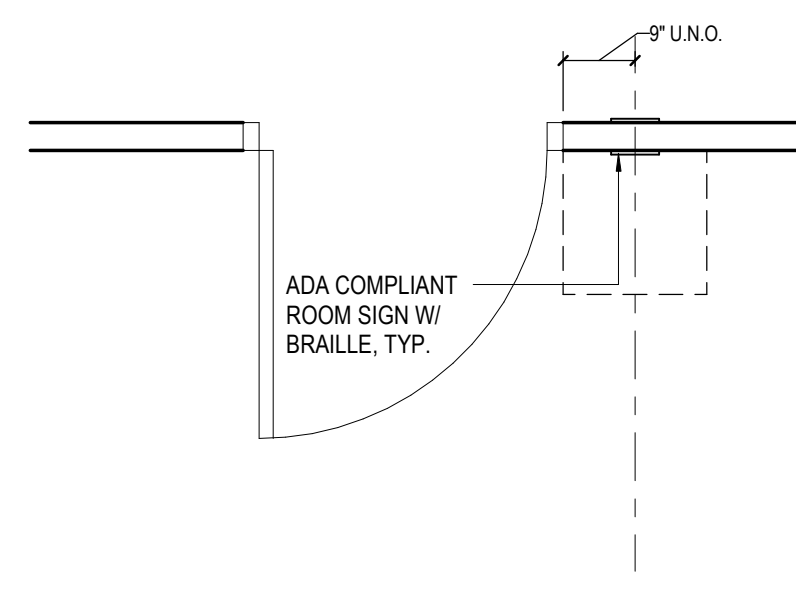
**1 ACCESSIBLE SIGN MOUNTING DETAIL**  
SCALE: 1" = 1'-0"



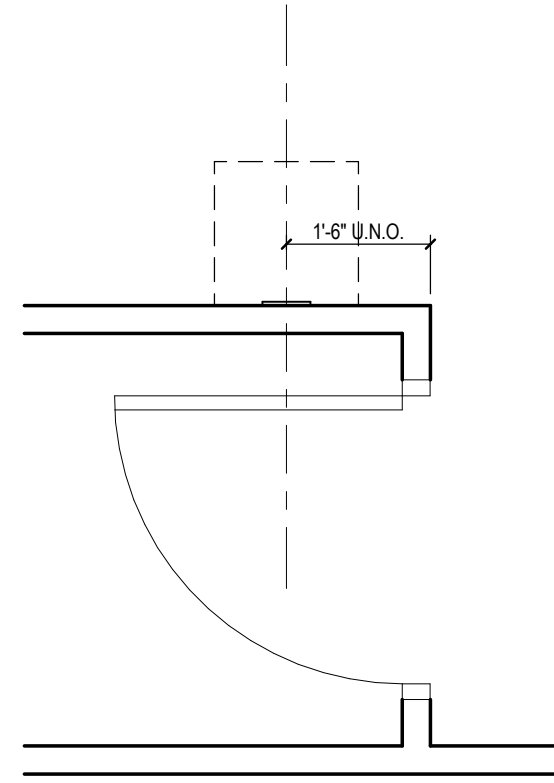
**DOUBLE DOOR**  
BOTH SIDES SCALE: 1/2" = 1'-0"



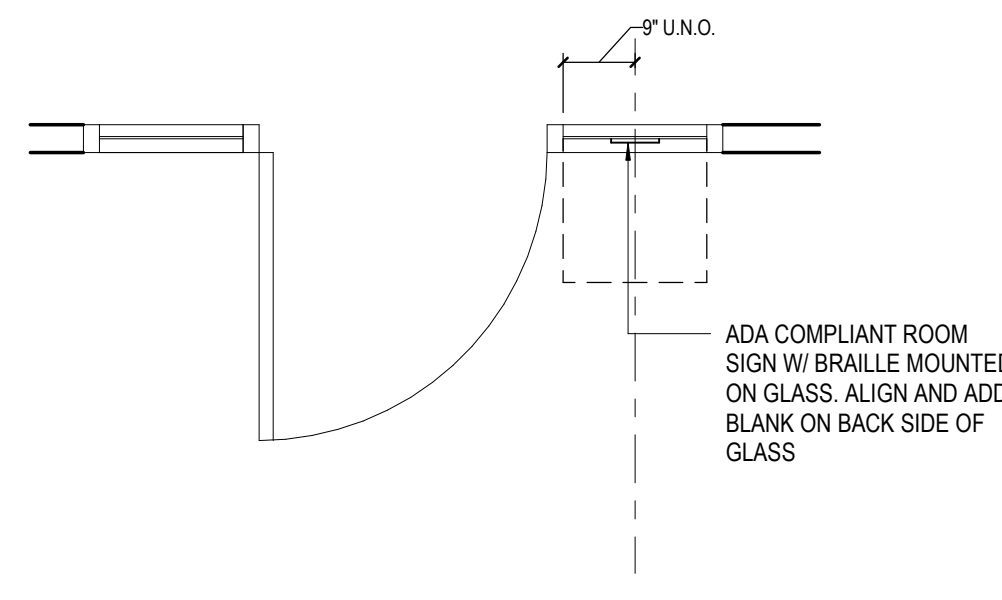
**DOUBLE DOOR**  
INTERIOR CORNER SCALE: 1/2" = 1'-0"



**SINGLE DOOR**  
TYPICAL SCALE: 1/2" = 1'-0"

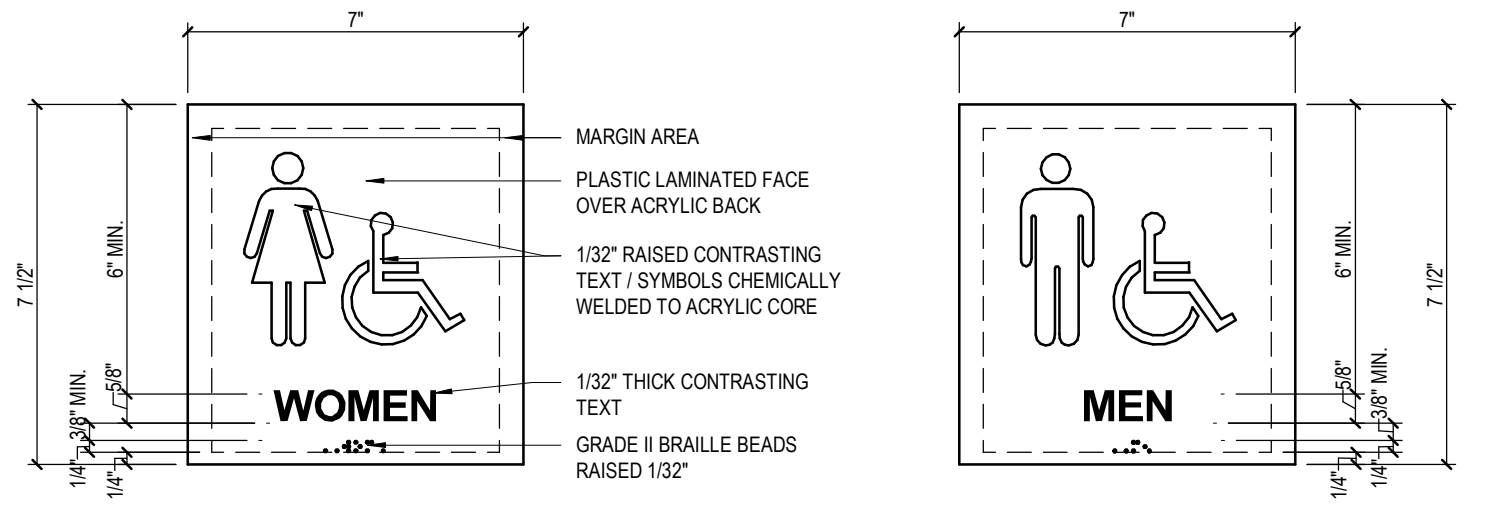


**SINGLE DOOR**  
OUTSIDE CORNER SCALE: 1/2" = 1'-0"

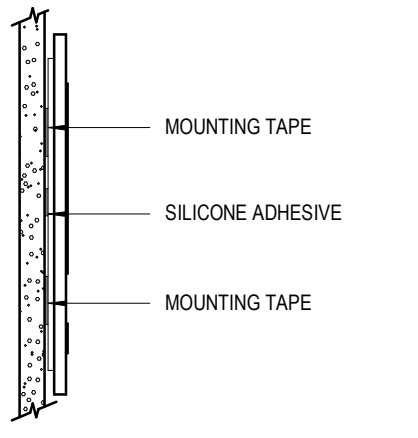


**SINGLE DOOR**  
GLASS MOUNT SCALE: 1/2" = 1'-0"

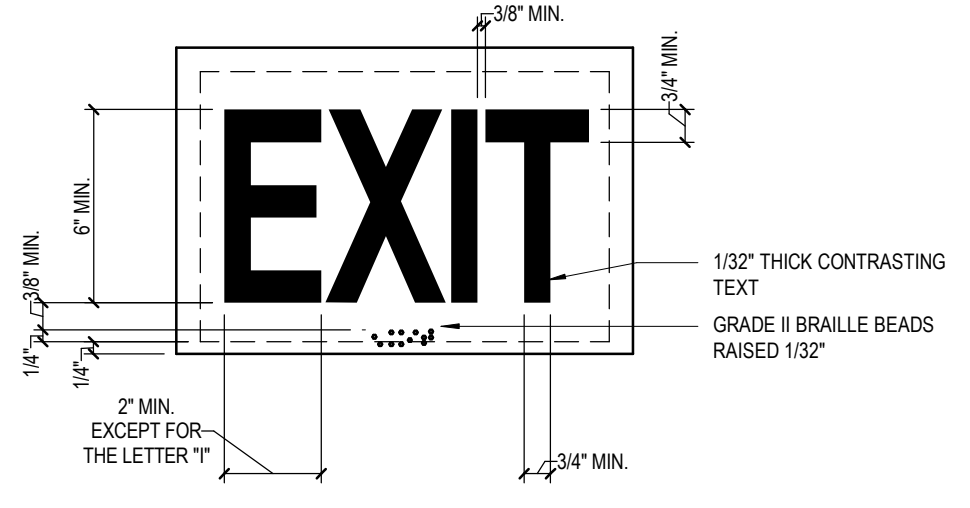
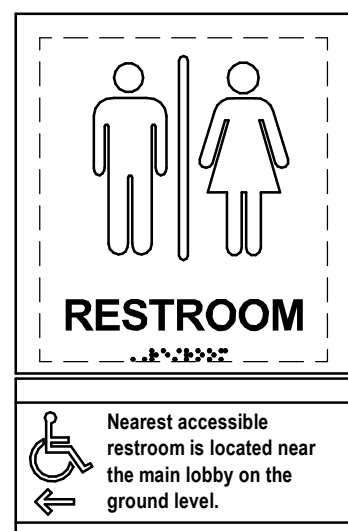
NOTE: PROVIDE TACTILE EXIT SIGNAGE AT ALL EXITS, EXIT STAIRS, AND DOORS TO EXIT DISCHARGE AS REQUIRED BY IBC 1013.4.  
 NOTE: PROVIDE STAIR SIGNAGE AS REQUIRED BY IBC 1023.9.  
 NOTE: PROVIDE ELEVATOR SIGNAGE AS REQUIRED BY IBC 3002.3.



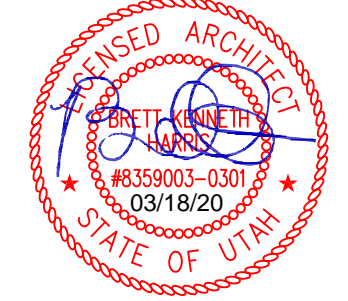
NOTE: BRAILLE SHOWN IS FOR REPRESENTATION OF LOCATION ONLY. SEE MFG. FOR ACTUAL LETTERING.



NOTE: REFER TO SIGN MFG. FOR ANY ADDITIONAL MOUNTING ACCESSORIES OR METHODS.



**2 ACCESSIBLE SIGN DETAILS**  
SCALE: 3" = 1'-0"



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**BLOSSOM RESTAURANT**  
SIGNAGE

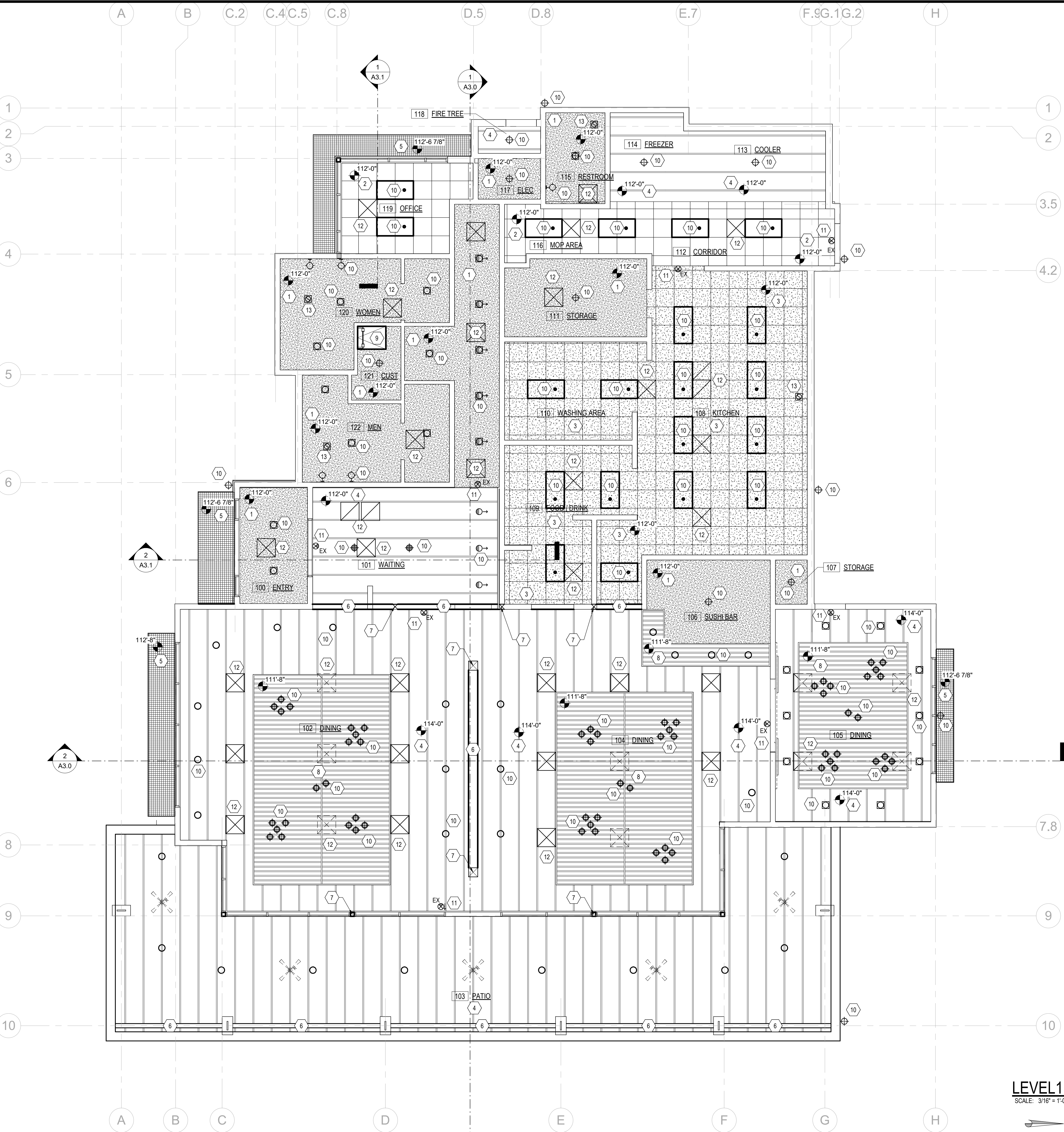
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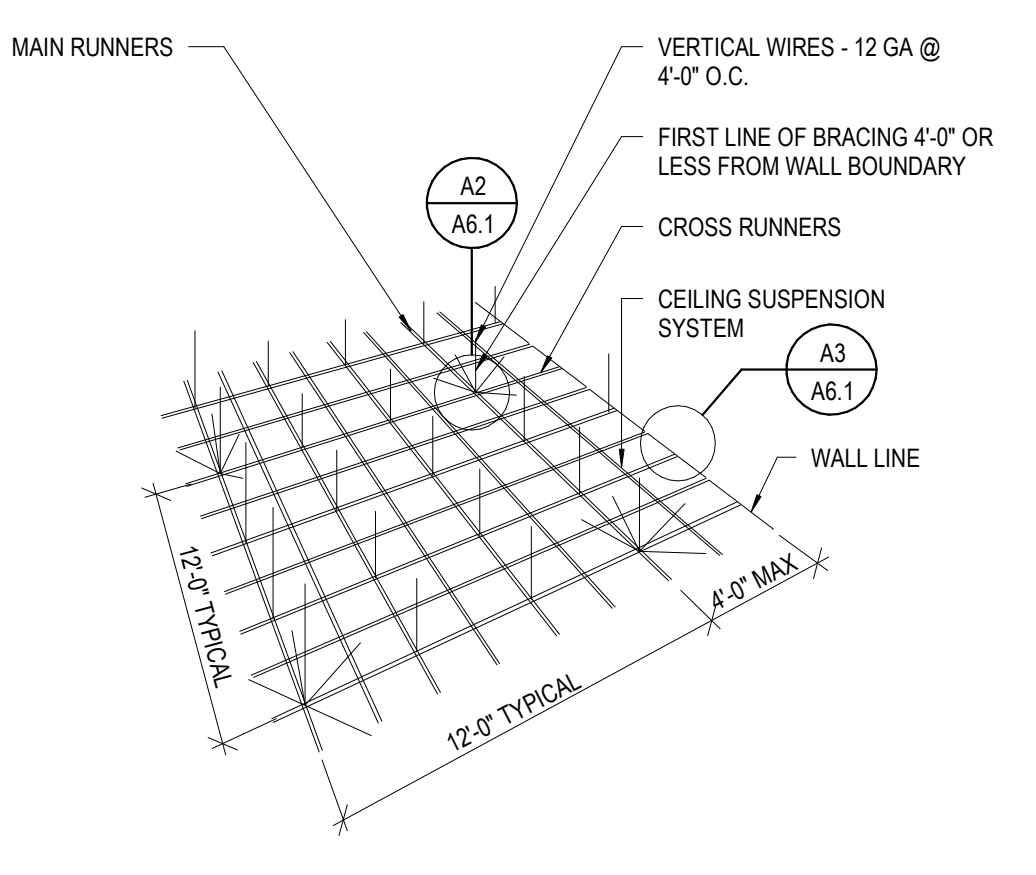
- REFLECTED CEILING PLAN GENERAL NOTES:**
- SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHTING AND DIFFUSER INFORMATION.
  - VERIFY EXACT LOCATION OF ALL RECESSED CANS WITH FLOOR AND ROOF JOISTS.
  - ADJUST FRAMING AT ROOF TO ALLOW FOR ROOF ACCESS HATCHES.
  - ALL ITEMS THAT PENETRATE FIRE RATED CEILING (LIGHTS & ETC.) SHALL BE TENTED WITH 5/8" TYPE C GYPSUM BOARD.
  - SHEET SPECIFIC NOTE #6 TO BE USED AT DROP CEILINGS AND SHEET SPECIFIC NOTE 4 MUST RUN CONTINUOUS ABOVE DROPS AT BOTTOM OF STRUCTURE.
  - WHERE MECH. PENETRATE FIRE RATED CEILING FIRE DAMPERS ARE REQUIRED SEE MECHANICAL.
  - THIS REFLECTED CEILING PLAN IS SCHEMATIC ONLY - FOR EXACT LOCATION AND FIXTURE COUNT SEE ELECTRICAL DRAWINGS.
  - SEE DETAILS SHEET A6.1 FOR SUSPENDED CEILING DETAILS.
  - ADJUST / COORDINATE FRAMING AT FLOORS / ROOFS TO ALLOW FOR PLUMBING FIXTURE TRAPS, ROOF ACCESS, ETC.
  - LIGHTING FIXTURES MUST NOT EXTEND BELOW 80" ABOVE THE FLOOR SURFACE IN CIRCULATION PATH.
  - SEE ELECTRICAL DRAWINGS FOR FIXTURE TYPES.
  - NOTE: SEE FLOOR PLANS AND EXTERIOR ELEVATIONS FOR ALL EXTERIOR CORNICES, JULIET BALCONIES, METAL CANOPIES, CANTILEVERS, & ANY OTHER EXTERIOR PROTRUSIONS (THOSE FEATURES ARE NOT SHOWN ON THIS PLAN).

- RCP KEYNOTES**
- 5/8" TYPE "X" GYP BOARD SKIP TROWEL TEXTURED AND PAINTED - NON RATED (ALSO SEE GENERAL NOTE #5 THIS SHEET IF USED AT A DROP CEILING.)
  - 2x2 ACT SYSTEM
  - WASHABLE 2x2 ACT SYSTEM
  - EXPOSED STRUCTURE ABOVE (PAINTED) SEE STRUCT.
  - PAINTED ALUMINUM OR STEEL (POWDER COATED) CANOPY WITH 2"x2" WIRE MESH (SEE STRUCTURAL)
  - STRUCTURAL BEAM - SEE STRUCTURAL
  - STRUCTURAL COLUMN - SEE STRUCTURAL
  - WOOD CLOUD STRUCTURE FRAMING AT 6" O.C.
  - 30"x36" ROOF ACCESS HATCH - SEE ROOF ACCESS DETAILS
  - LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
  - EXIT SIGN - SEE ELECTRICAL DRAWINGS
  - MECHANICAL REGISTER - SEE MECHANICAL DRAWINGS
  - EXHAUST FAN - SEE MECHANICAL DRAWINGS

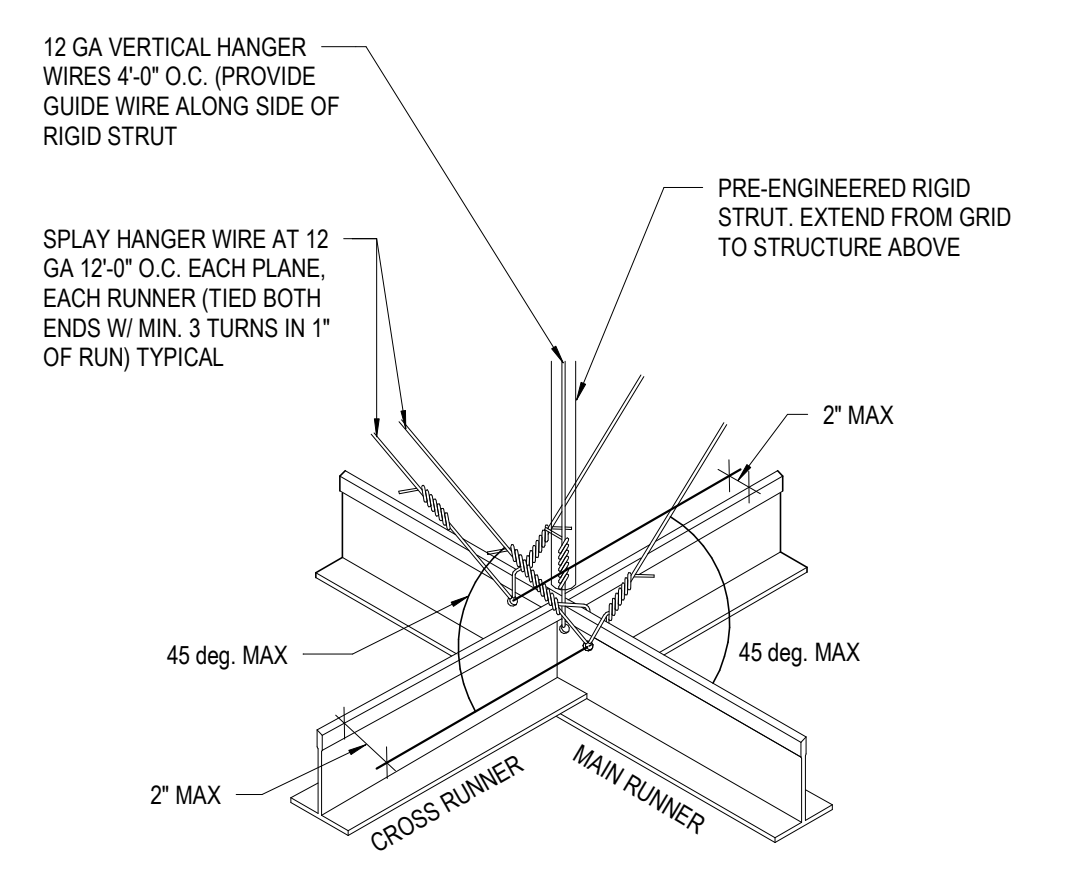
FIXTURE LEGEND	
SYMBOL	DESCRIPTION
	2x4 LIGHT FIXTURE
	HANGING LIGHT FIXTURE
	RECESSED CAN LIGHT FIXTURE
	STEM MOUNTED CAN LIGHT FIXTURE
	DIRECTIONAL WALL WASHER LIGHT FIXTURE
	RECESSED DIRECTIONAL WALL WASHER LIGHT FIXTURE
	PENDANT LIGHT FIXTURE
	CEILING MOUNTED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	EXHAUST FAN
	EXIT SIGN

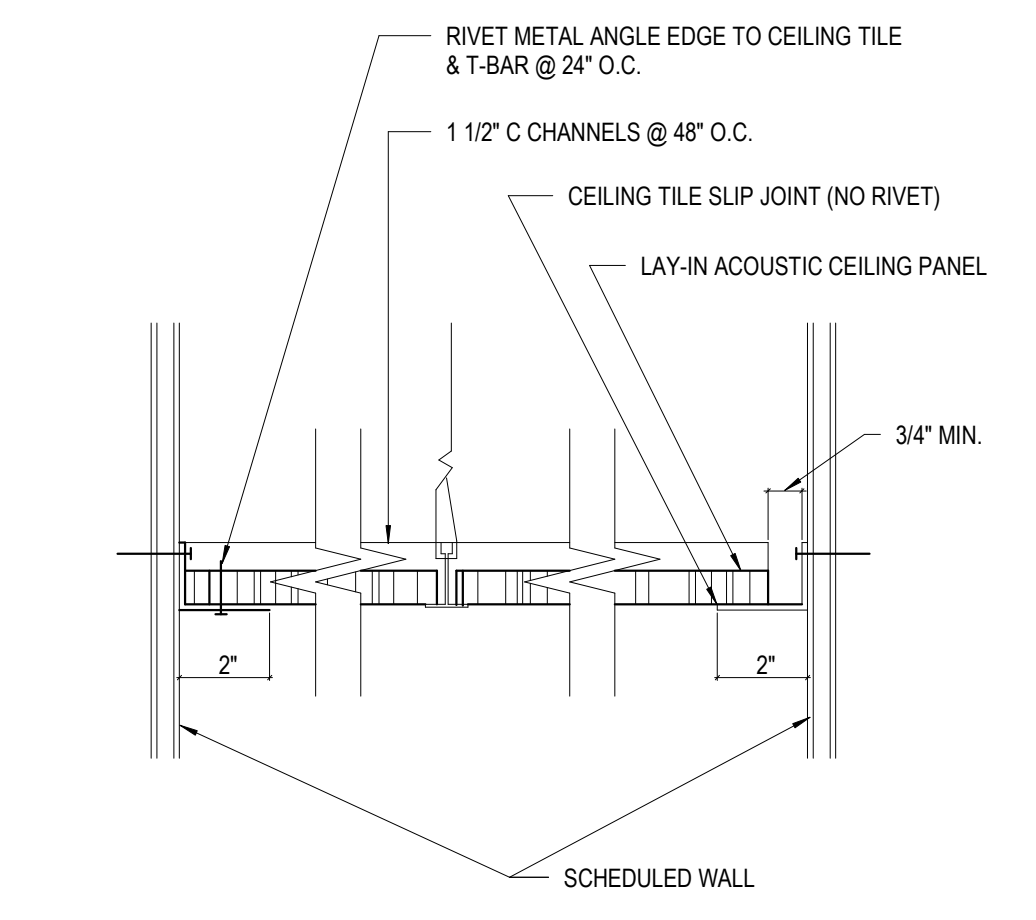
CEILING LEGEND	
SYMBOL	DESCRIPTION
	GYPSUM BOARD - SMOOTH LEVEL 4 FINISH, PAINT
	ACOUSTICAL CEILING TILE ON SUSPENDED GRID SYSTEM - REVEAL EDGE
	WASHABLE ACOUSTICAL CEILING TILE ON SUSPENDED SYSTEM - REVEAL EDGE
	STRUCTURE EXPOSED - PAINTED
	SUSPENDED WOOD CLOUD STRUCTURE



**A1 TYP. SUSPENDED GRID DETAIL**  
SCALE: N.T.S.

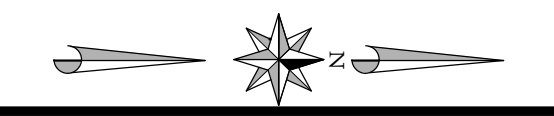


**A2 TYP. SEISMIC BRACING DETAIL**  
SCALE: N.T.S.

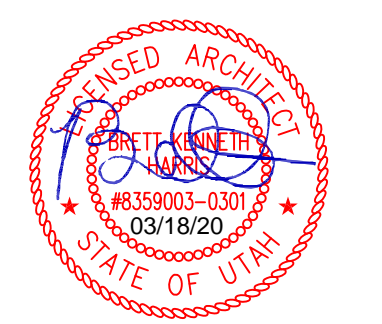


**A3 LAY IN CEILING TILE EDGE DETAIL**  
SCALE: N.T.S.

**LEVEL 1 REFLECTED CEILING PLAN**  
SCALE: 3/16" = 1'-0"



**BUILDING PERMIT SET 03/18/2020**



**REVISIONS**

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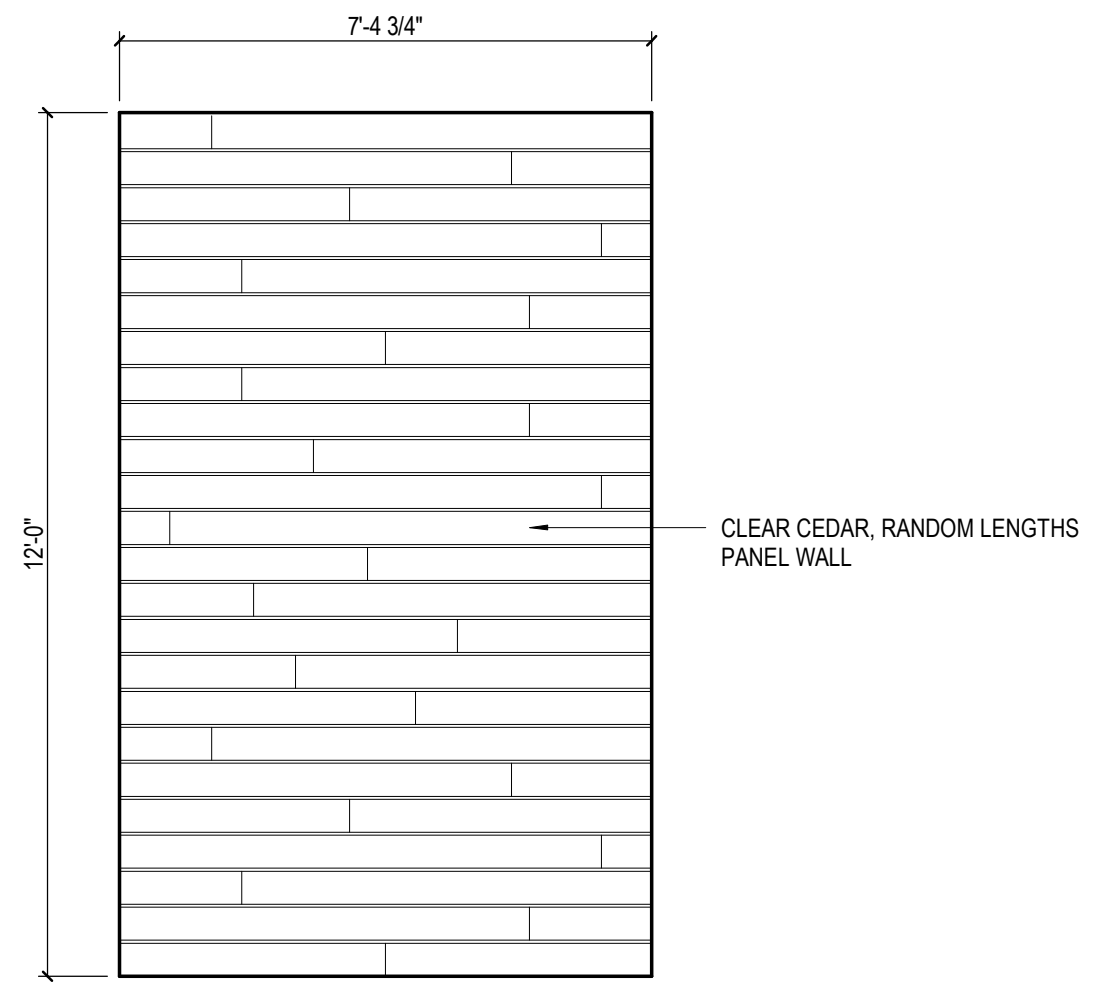
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**BLOSSOM RESTAURANT**  
LEVEL 1 R.C.P.

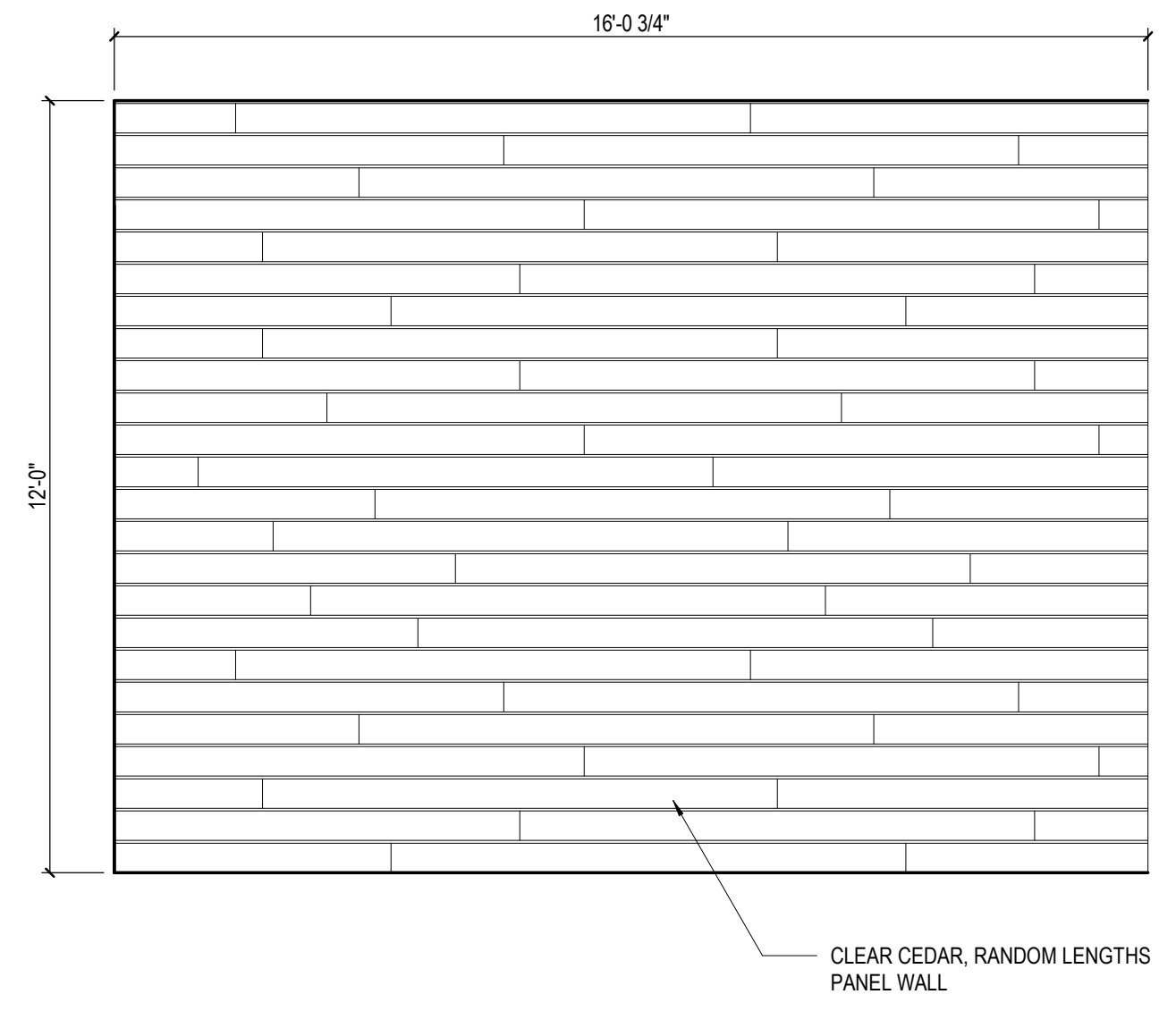
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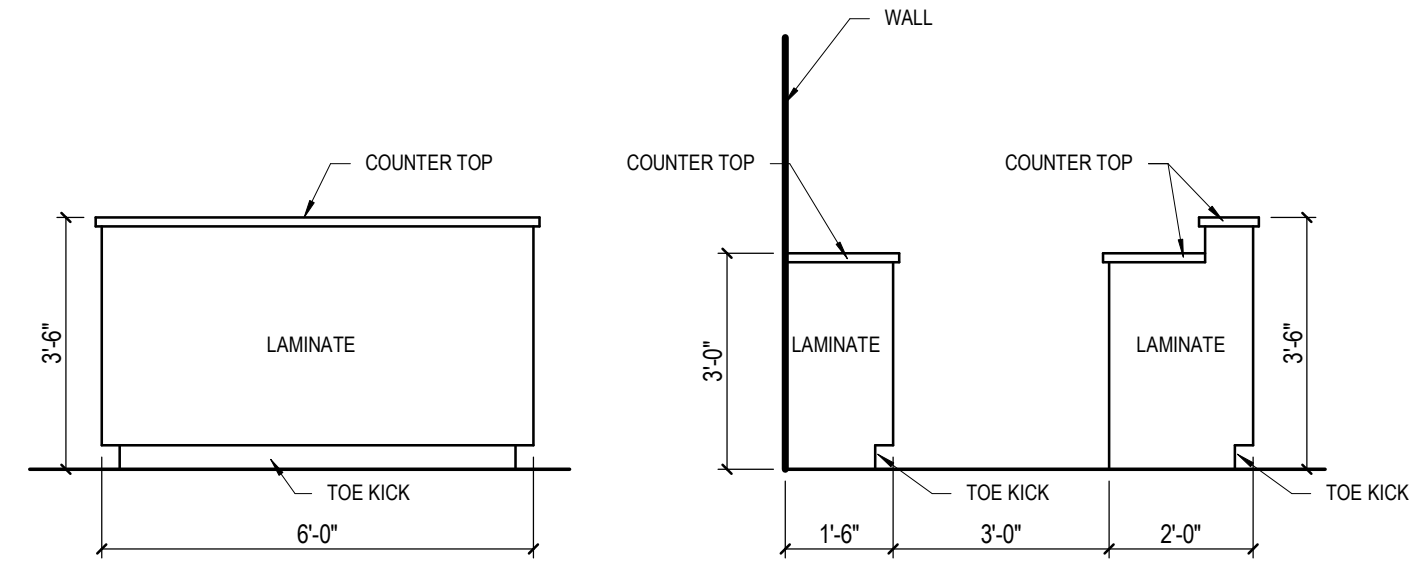
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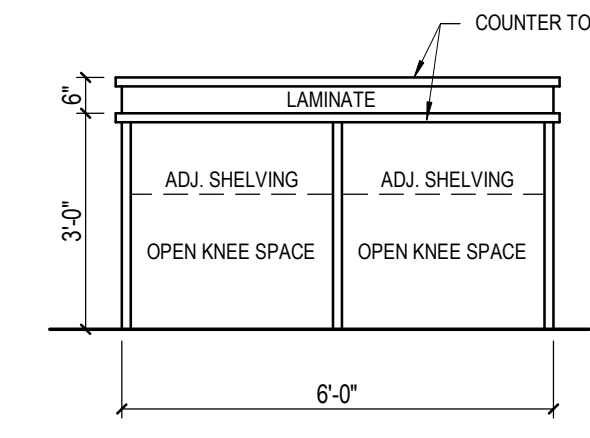


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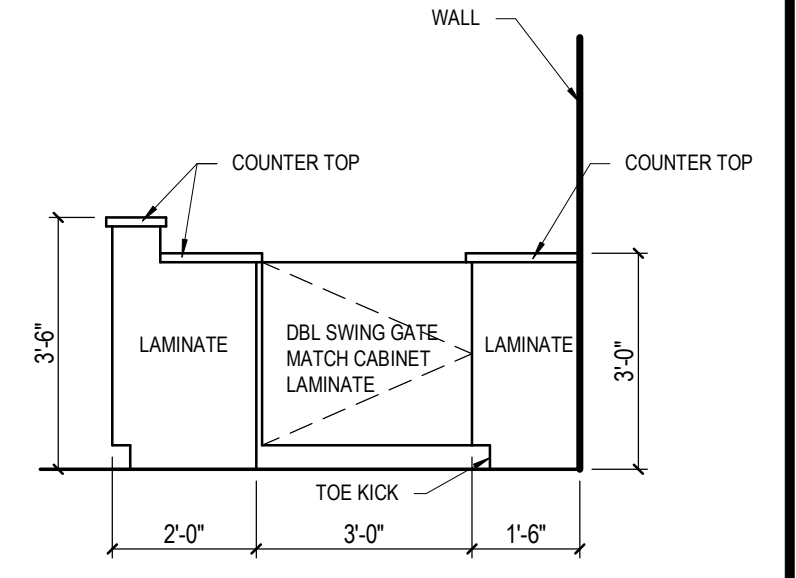


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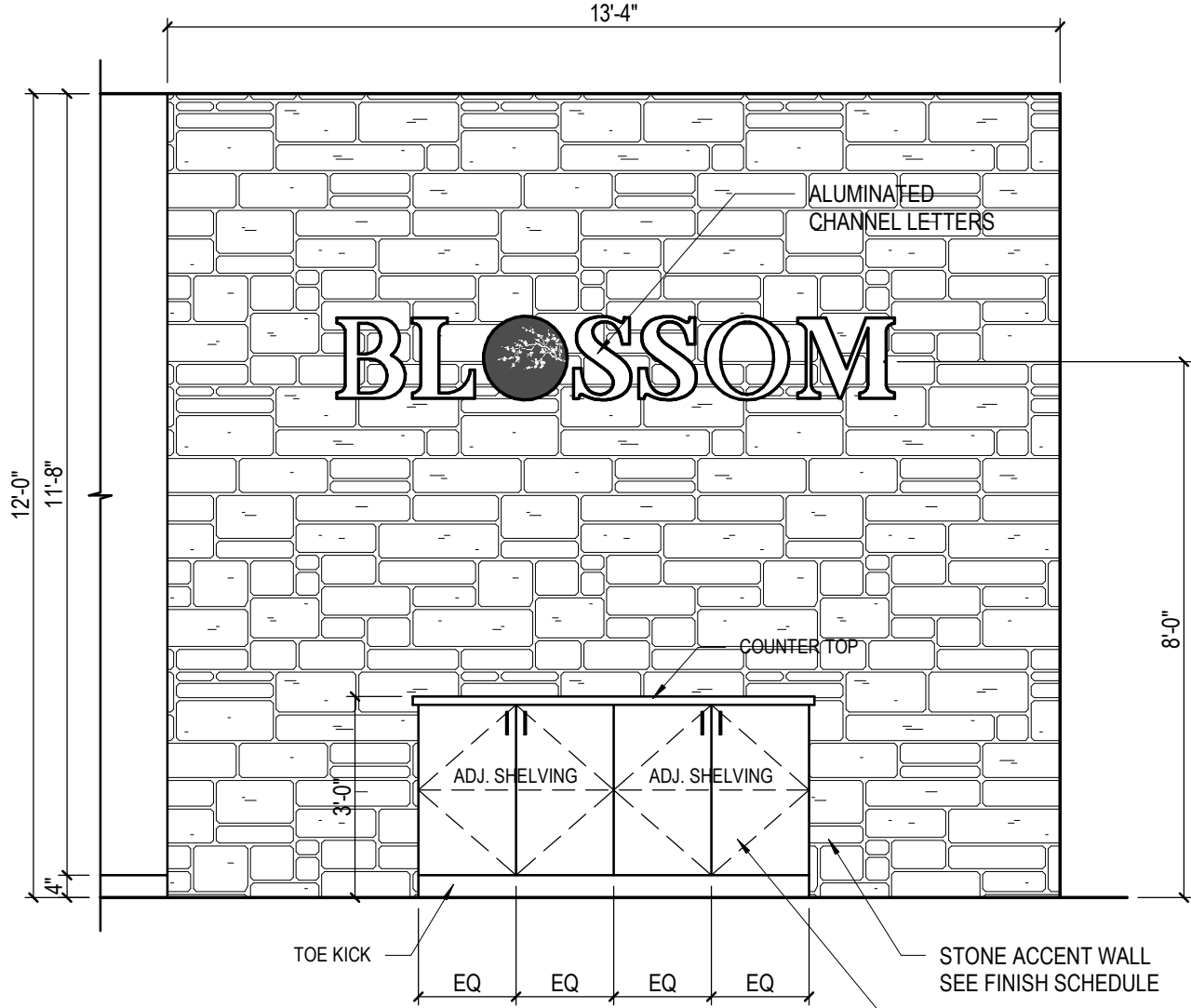


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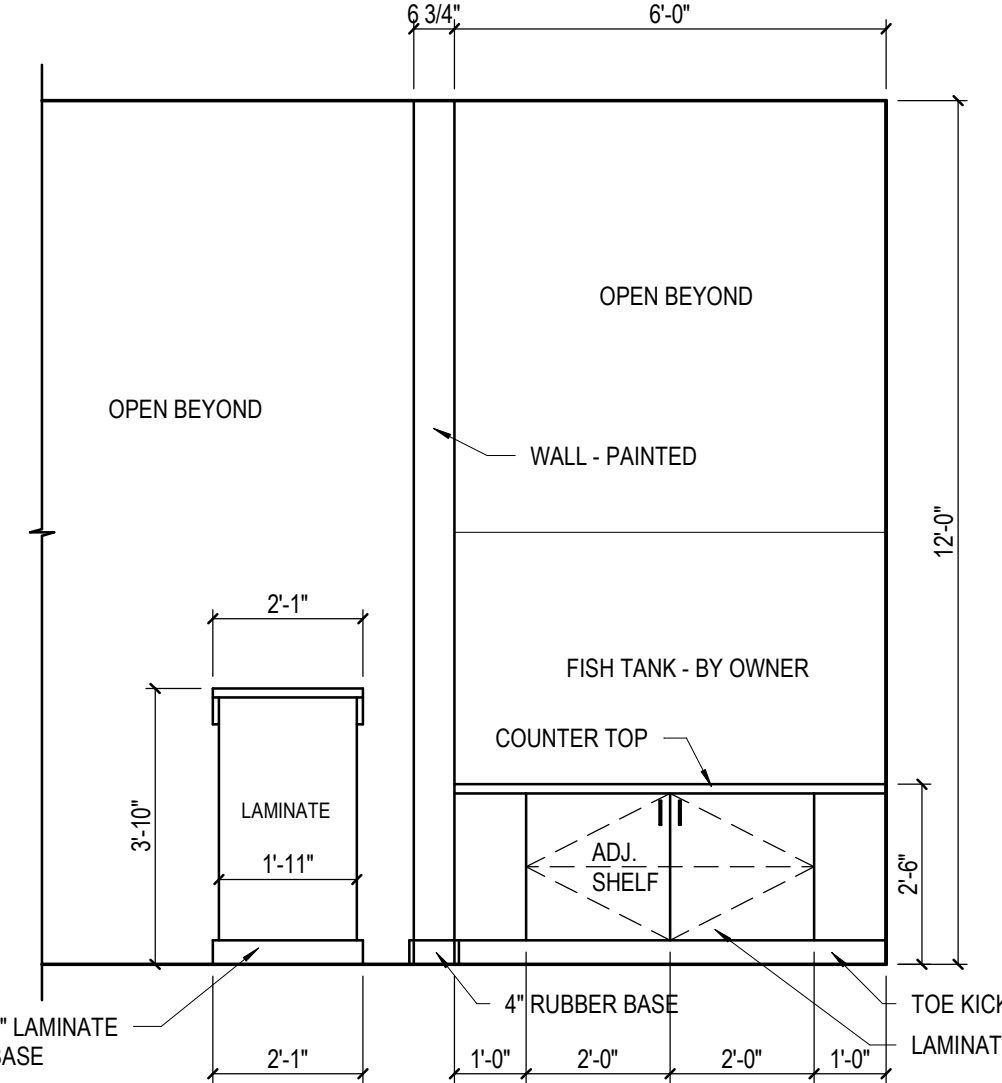
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MILLWORK SHOP DRAWINGS ARE REQUIRED FOR OWNERS APPROVAL.

REVISIONS	
#	Description

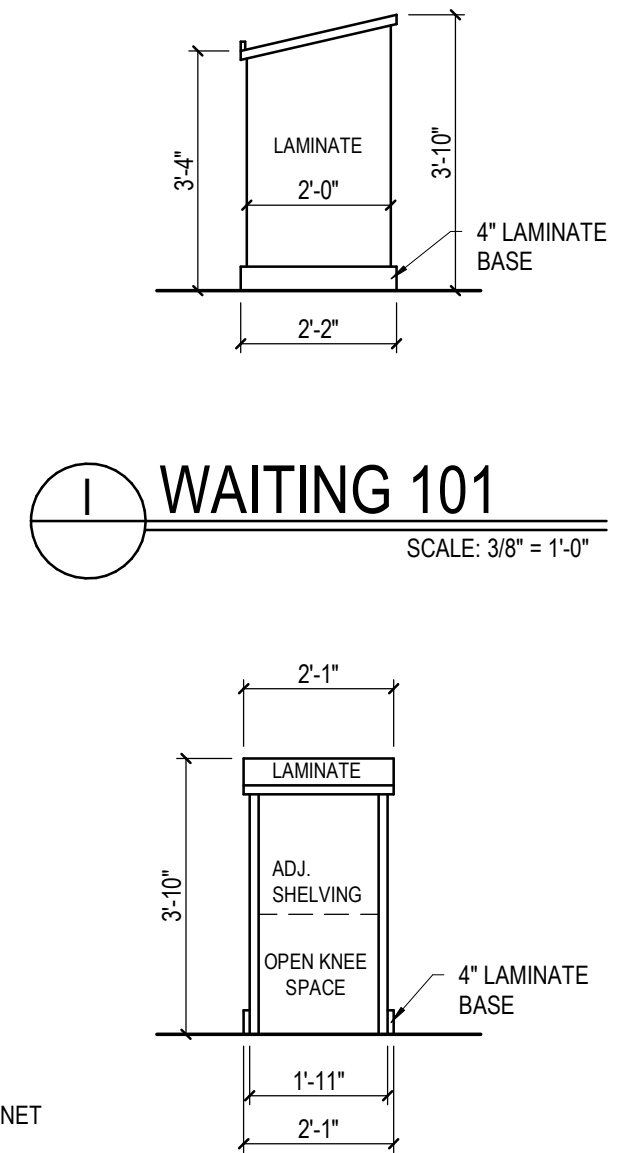
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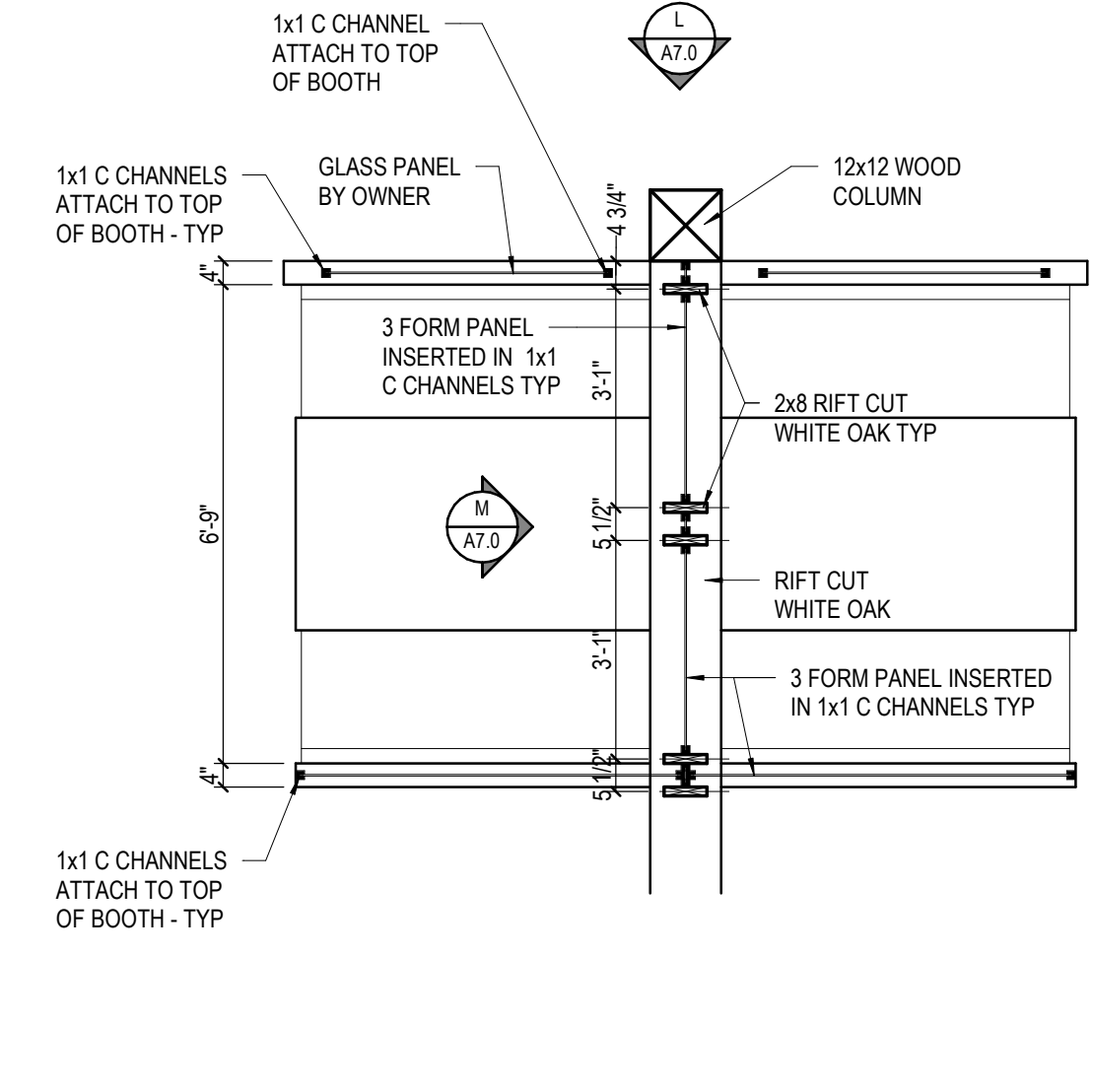
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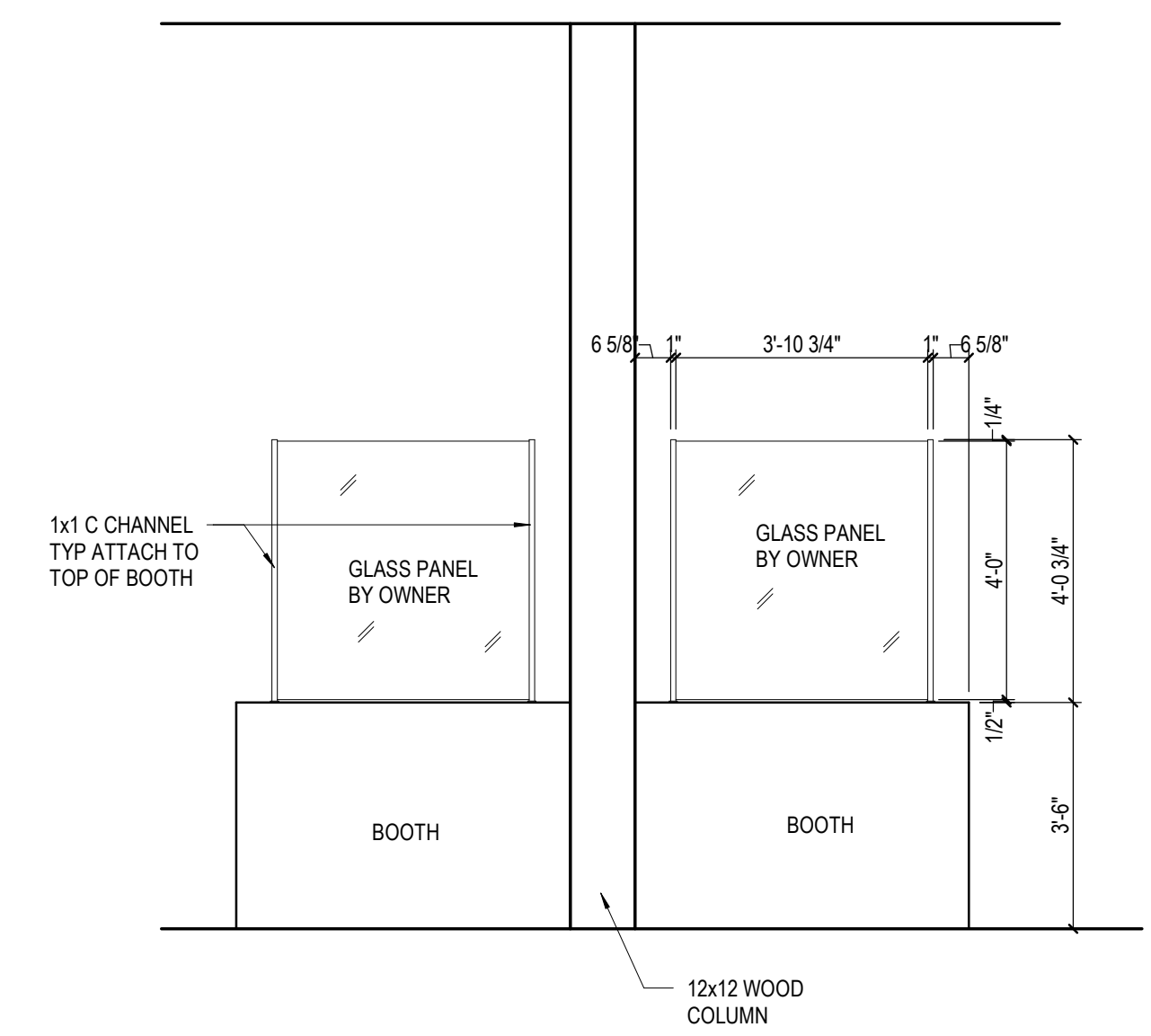
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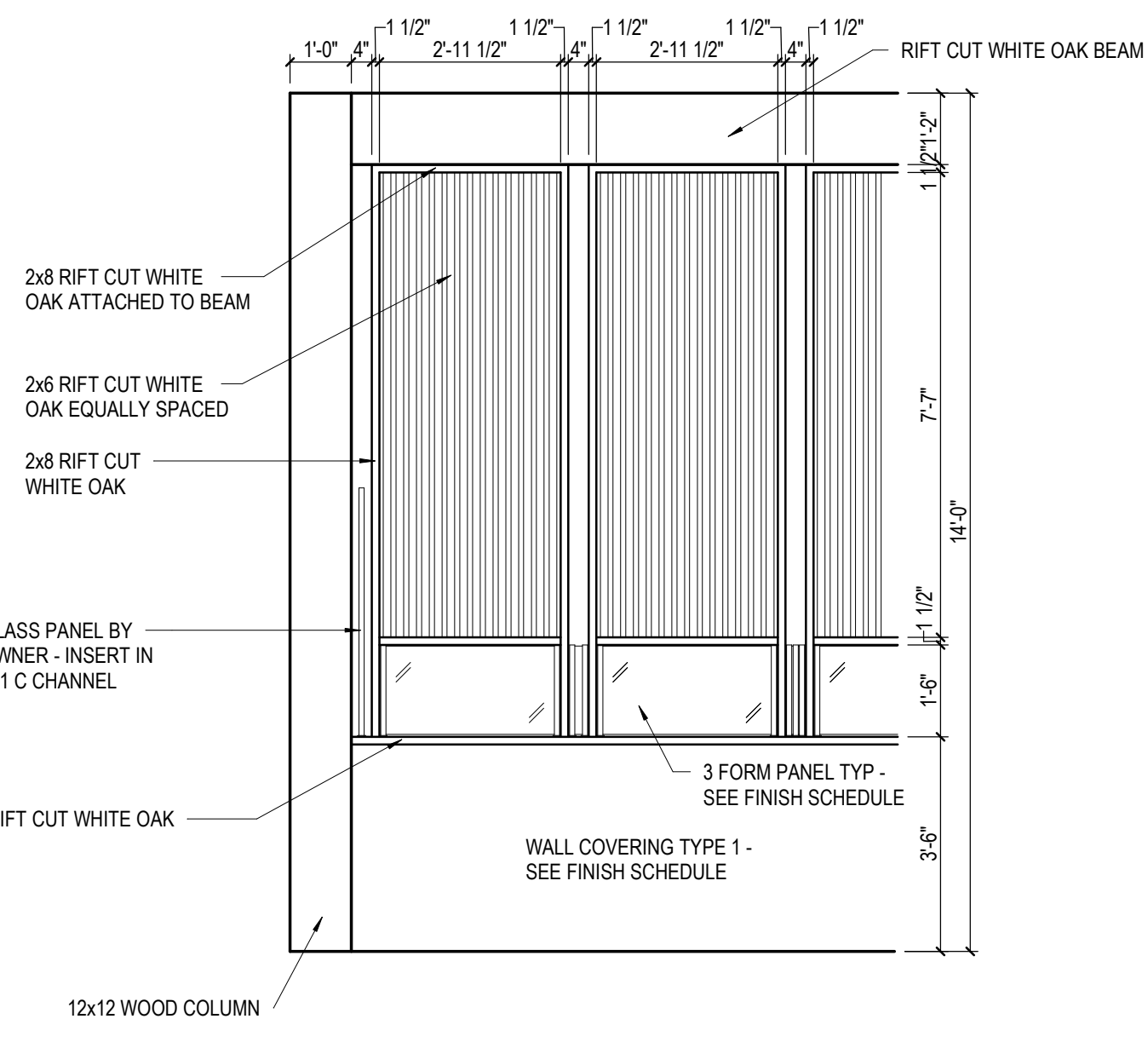
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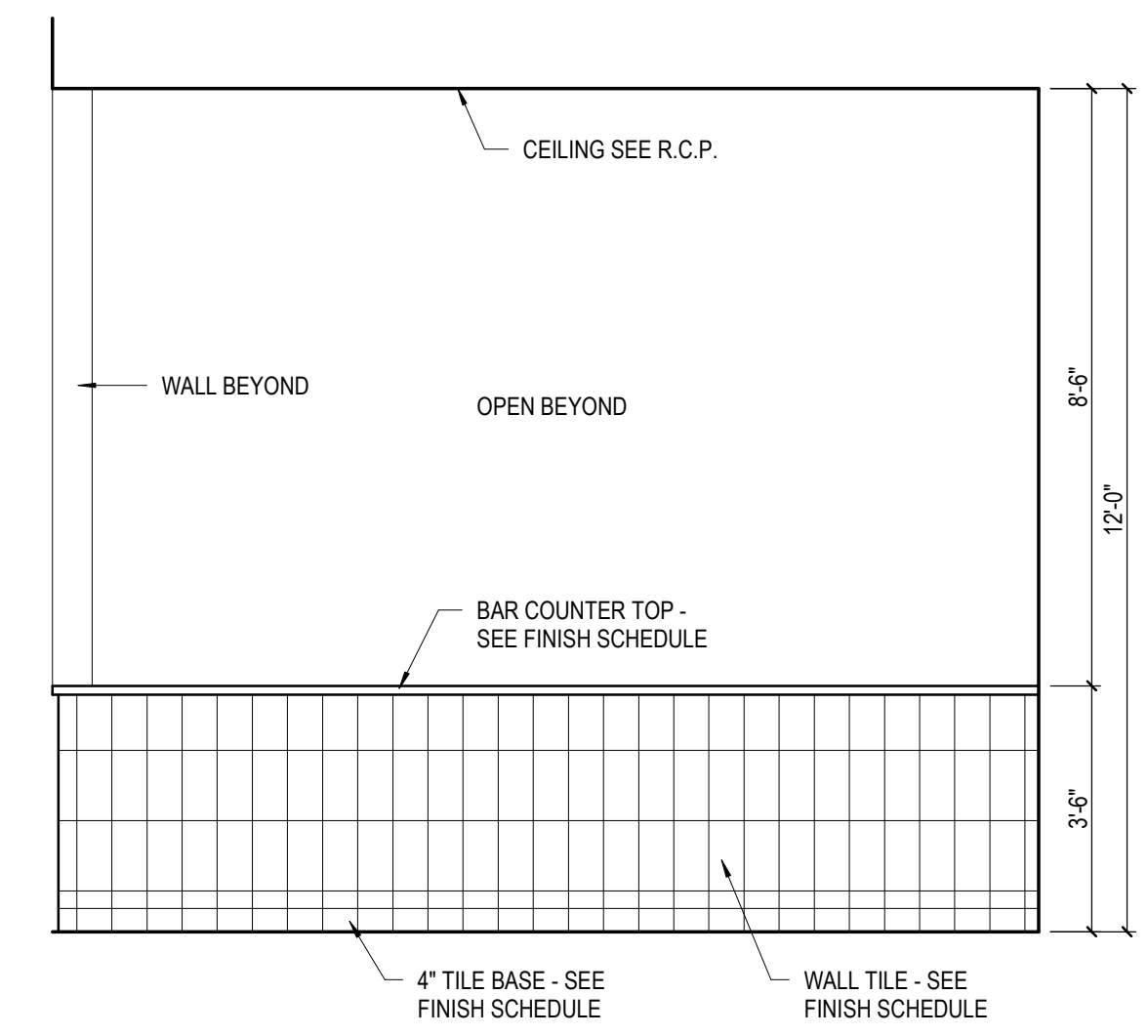
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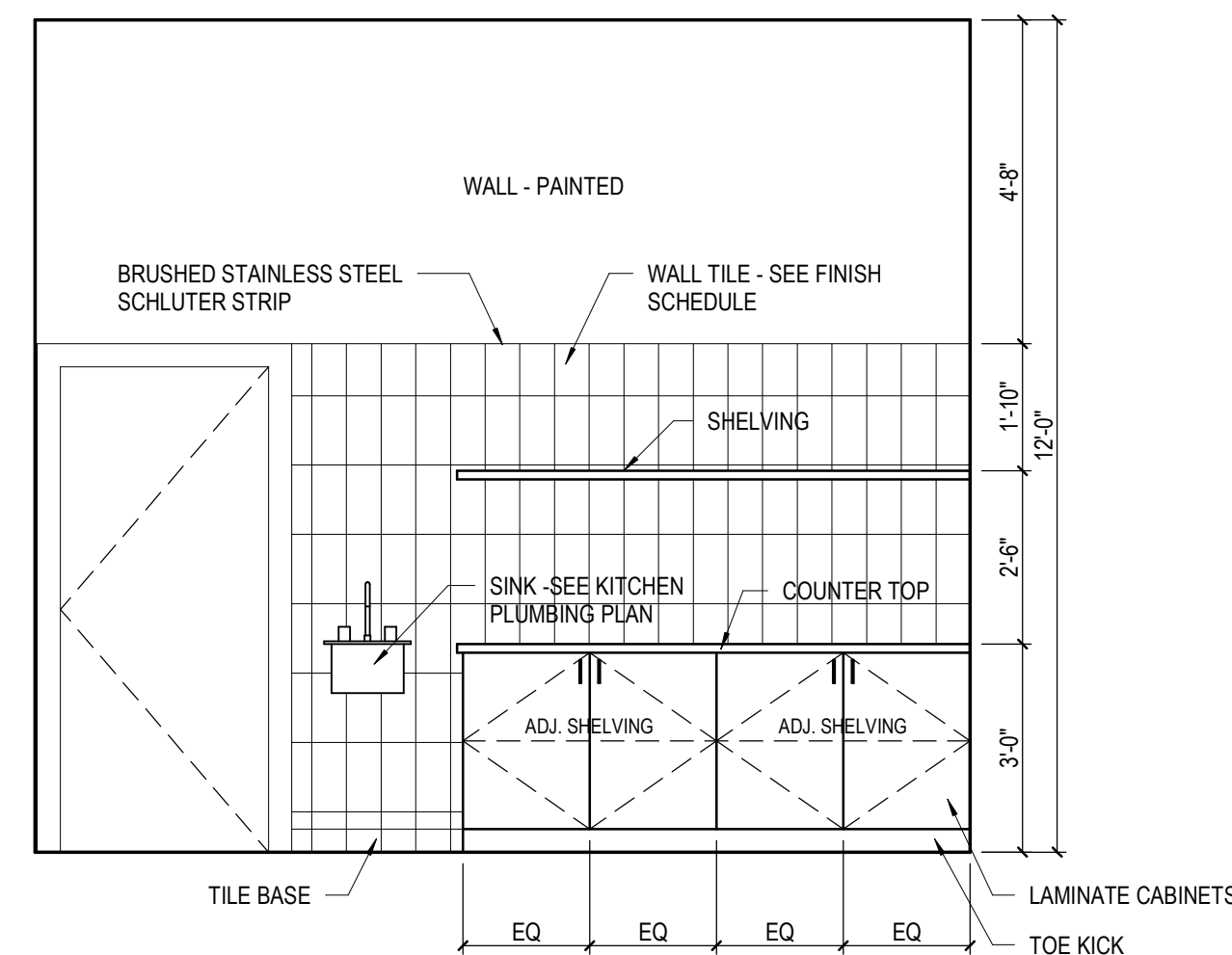
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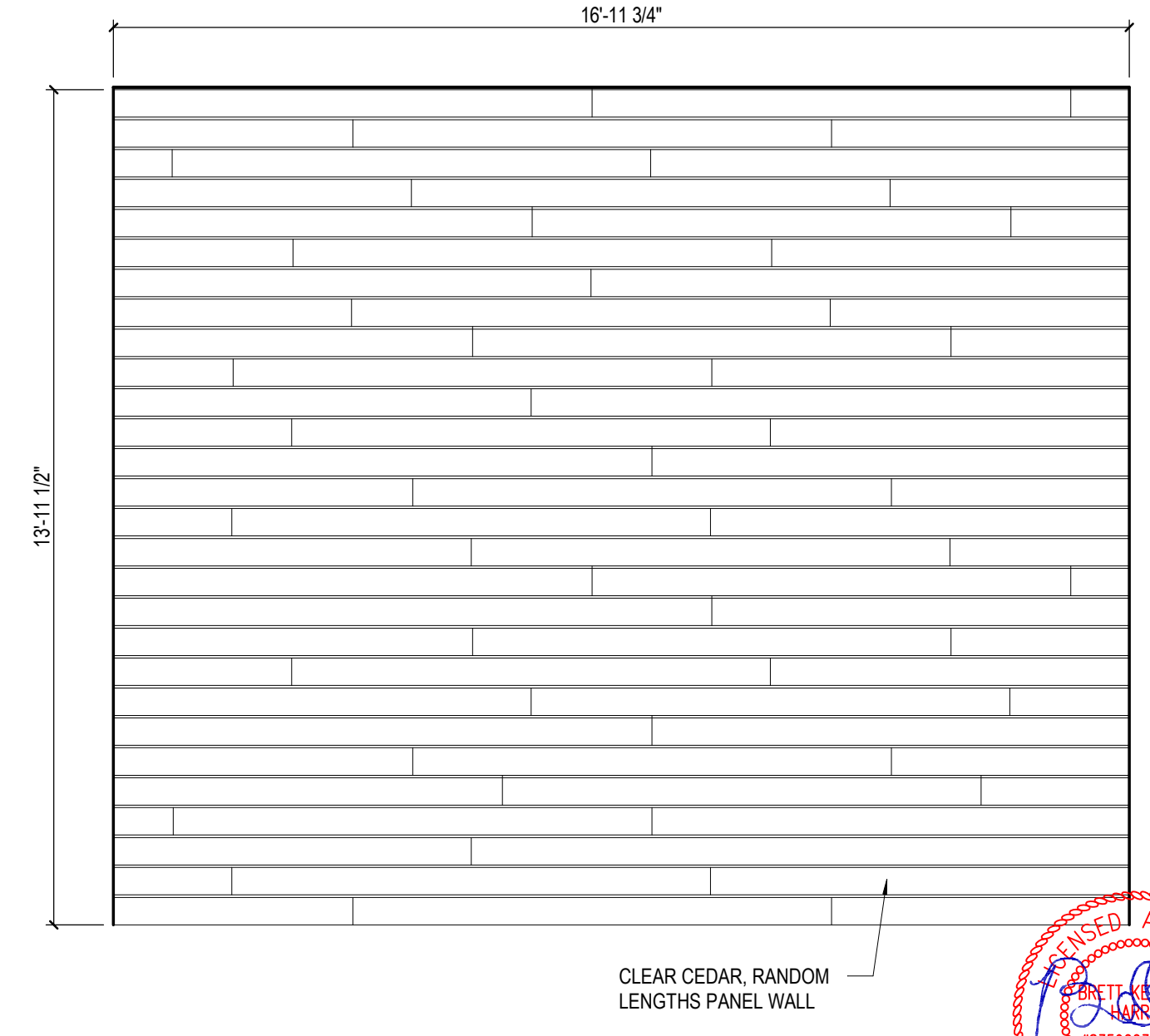
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**N 106 SUSHI BAR ELEV**  
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**O 106 SUSHI BAR ELEV**  
SCALE: 3/8" = 1'-0"



**P 105 DINING ELEV**  
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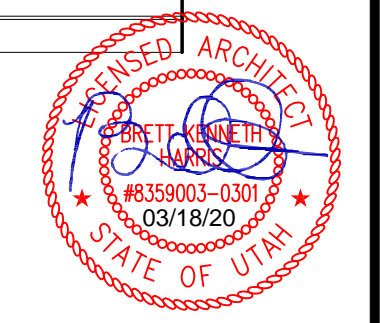
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**BLOSSOM RESTAURANT**  
 INTERIOR ELEVATIONS / DETAILS

03/18/2020

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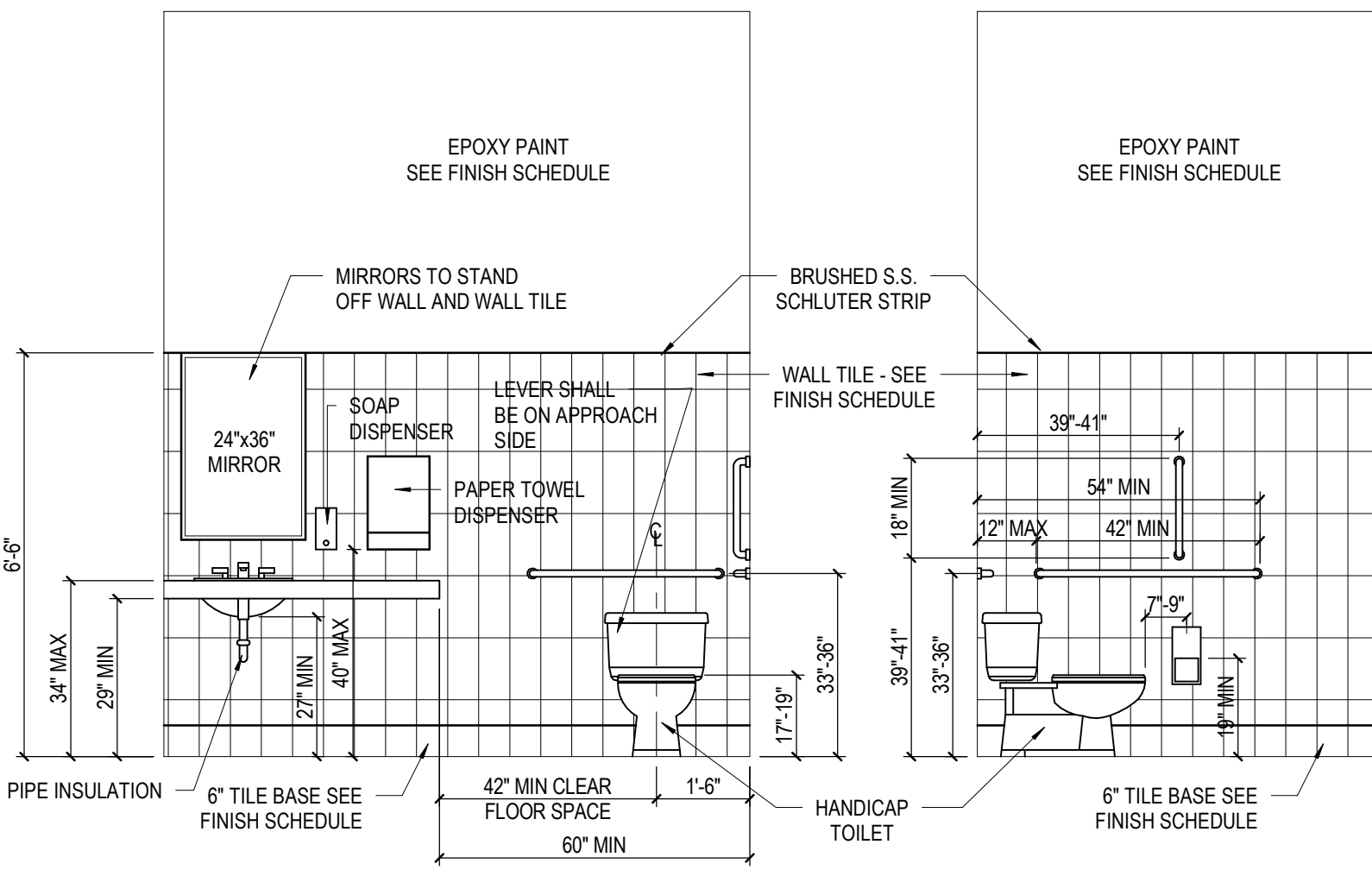


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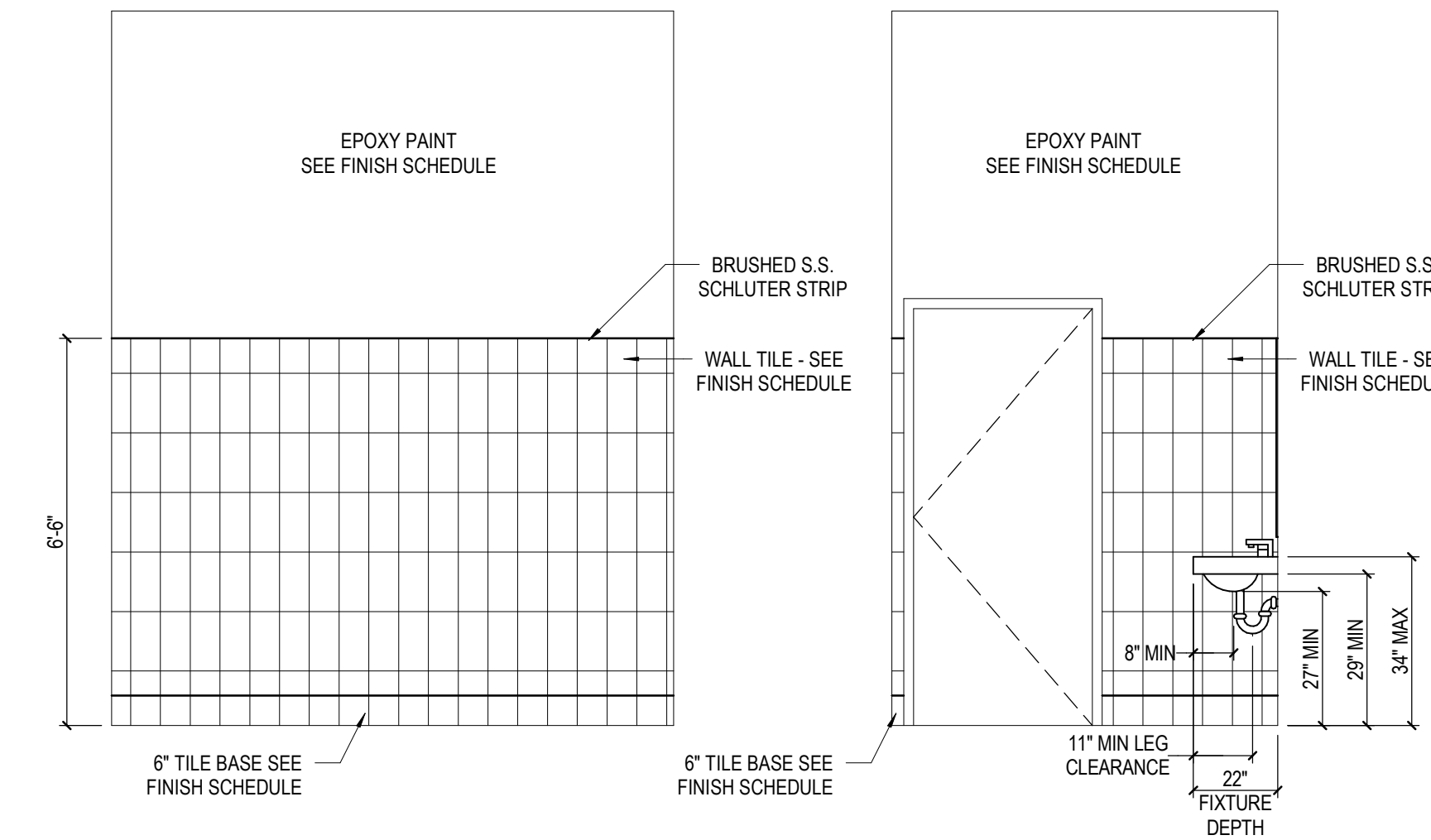
REVISIONS

# | Date | Description

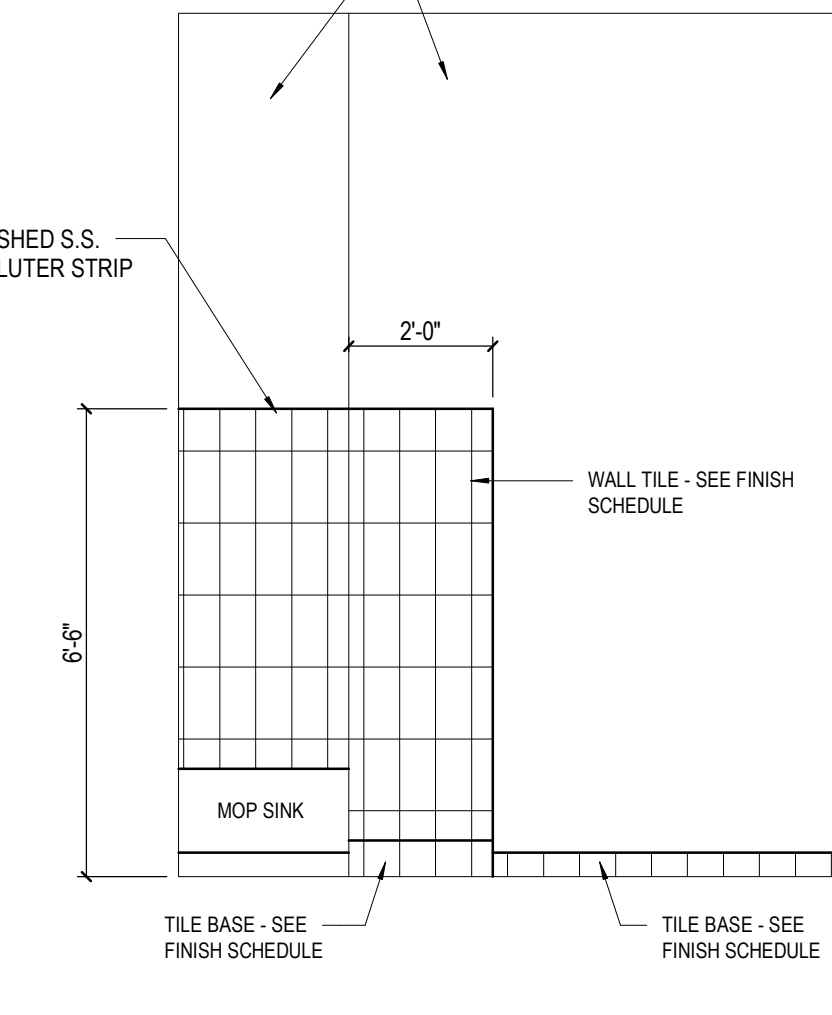
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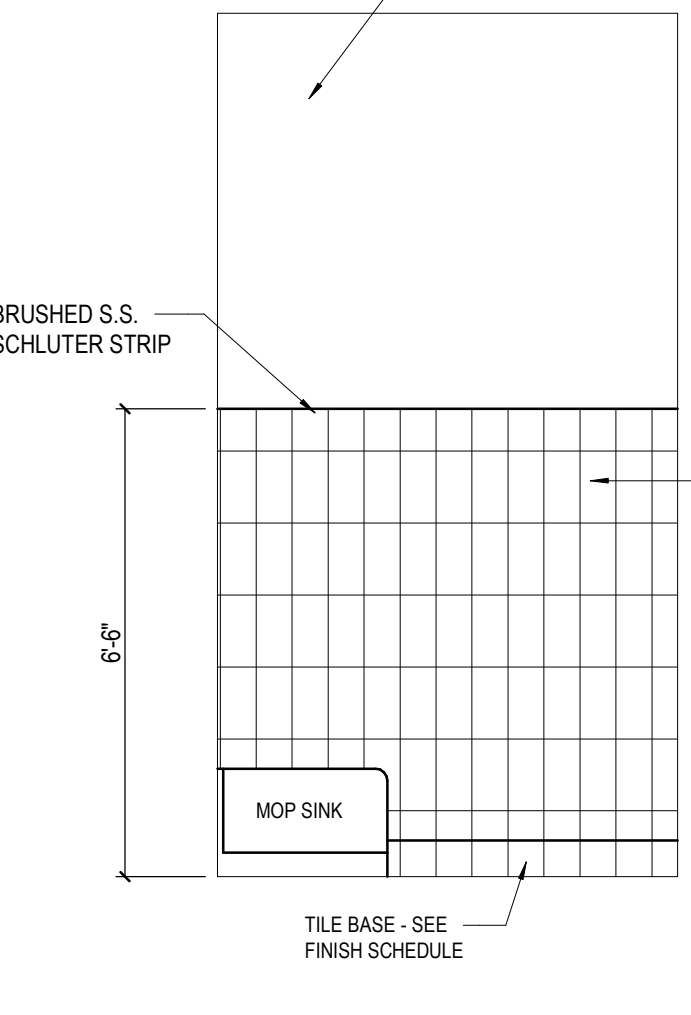
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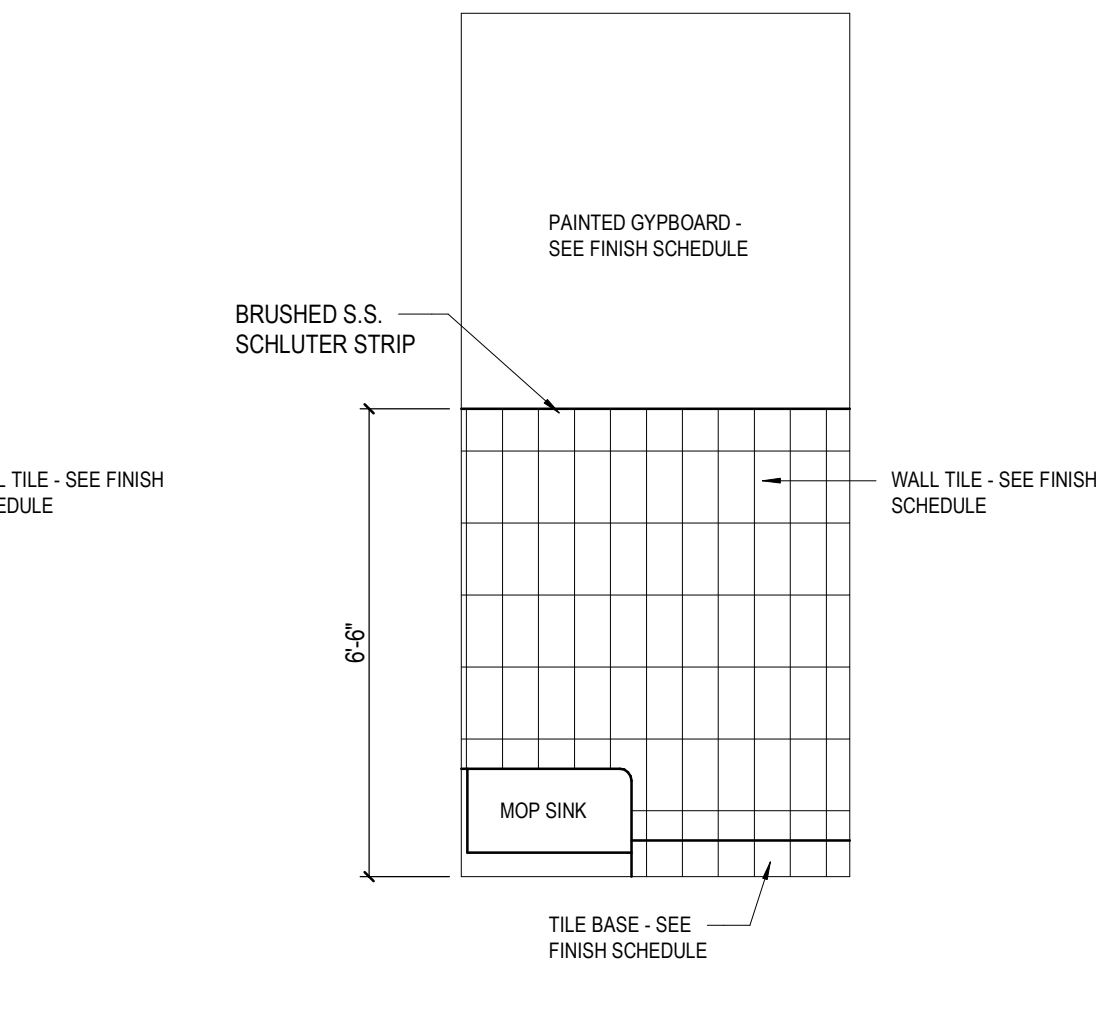
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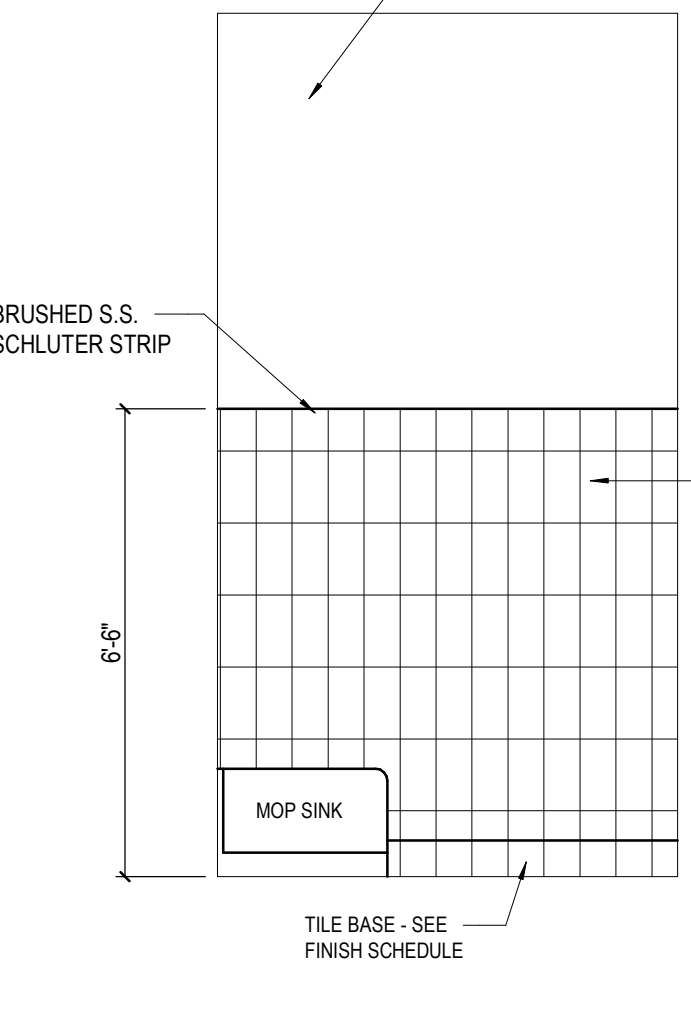
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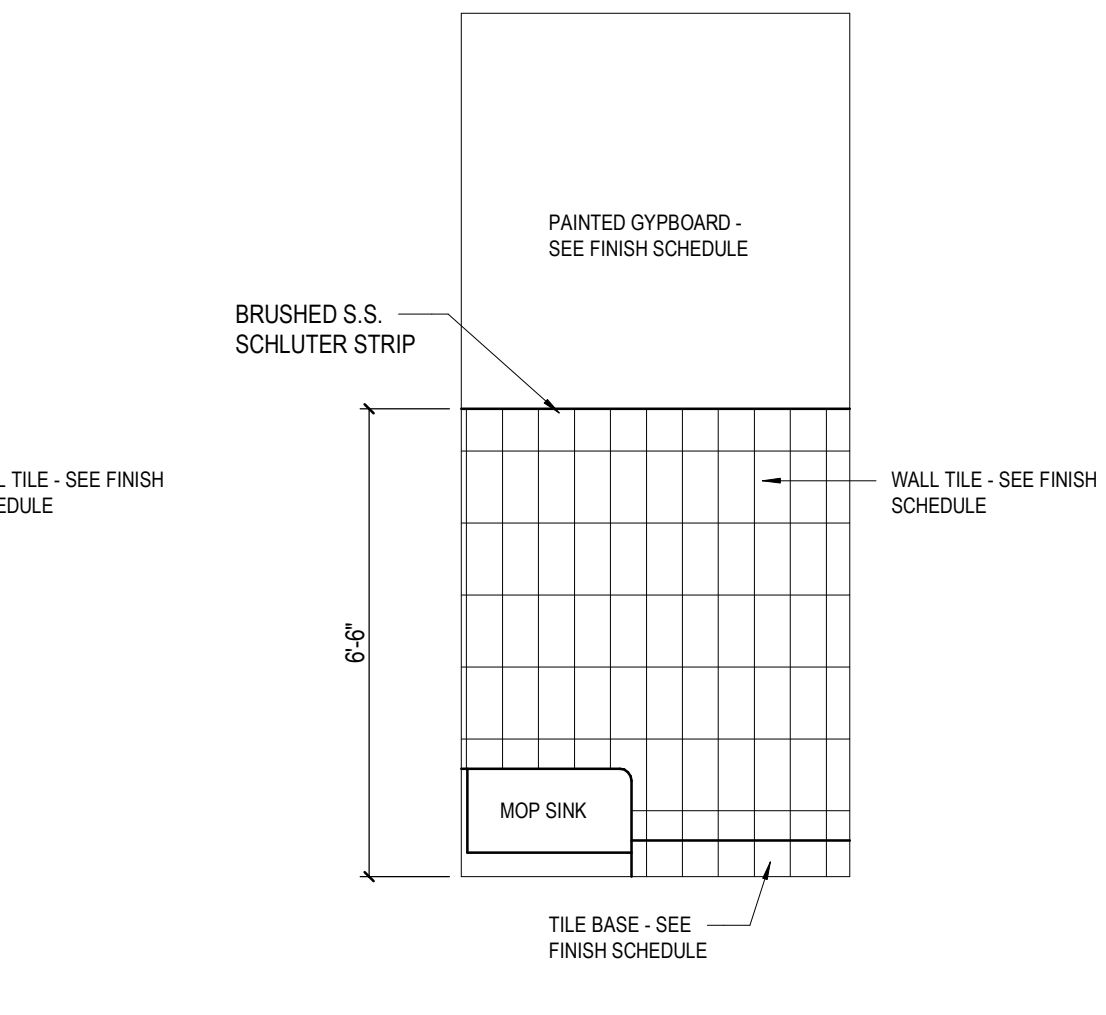
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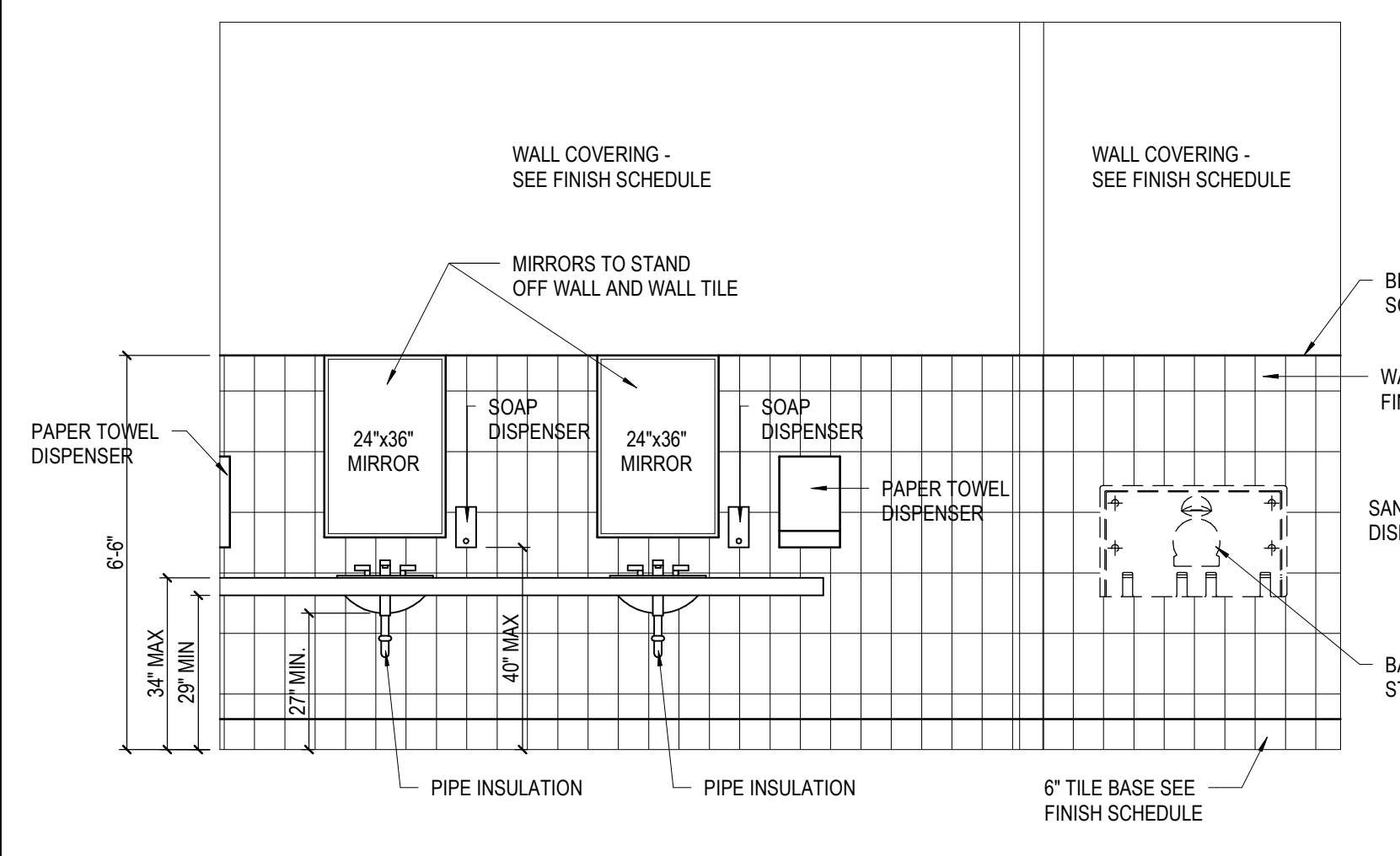
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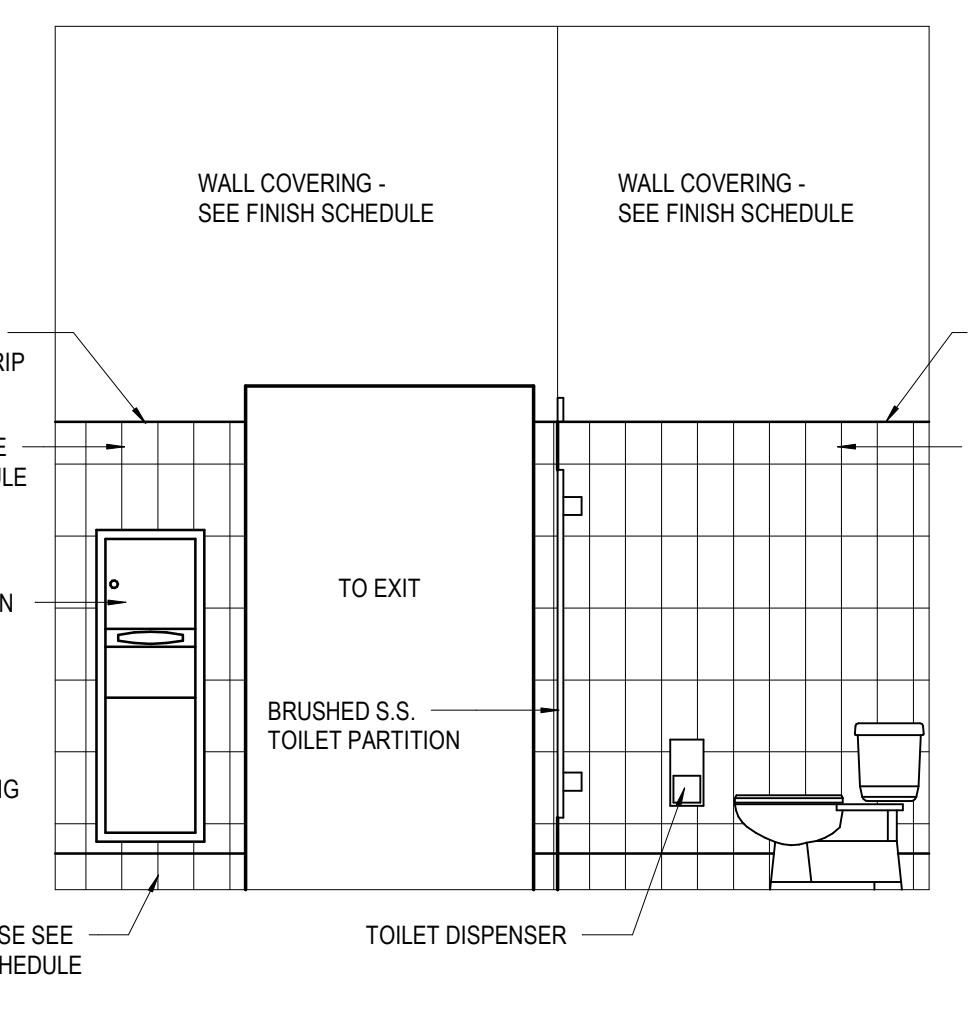
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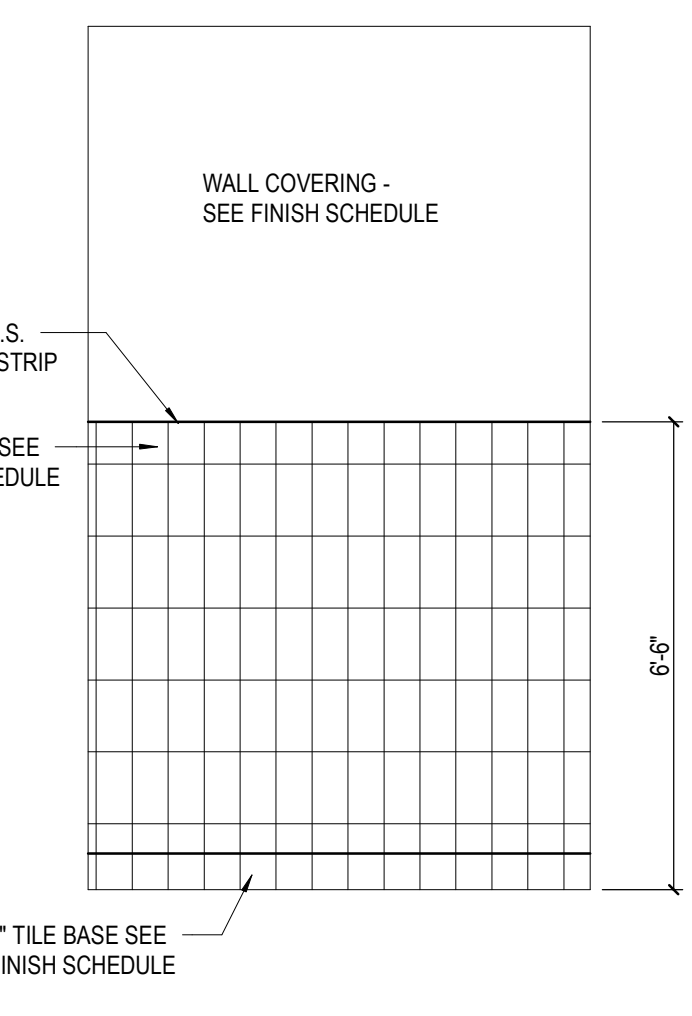
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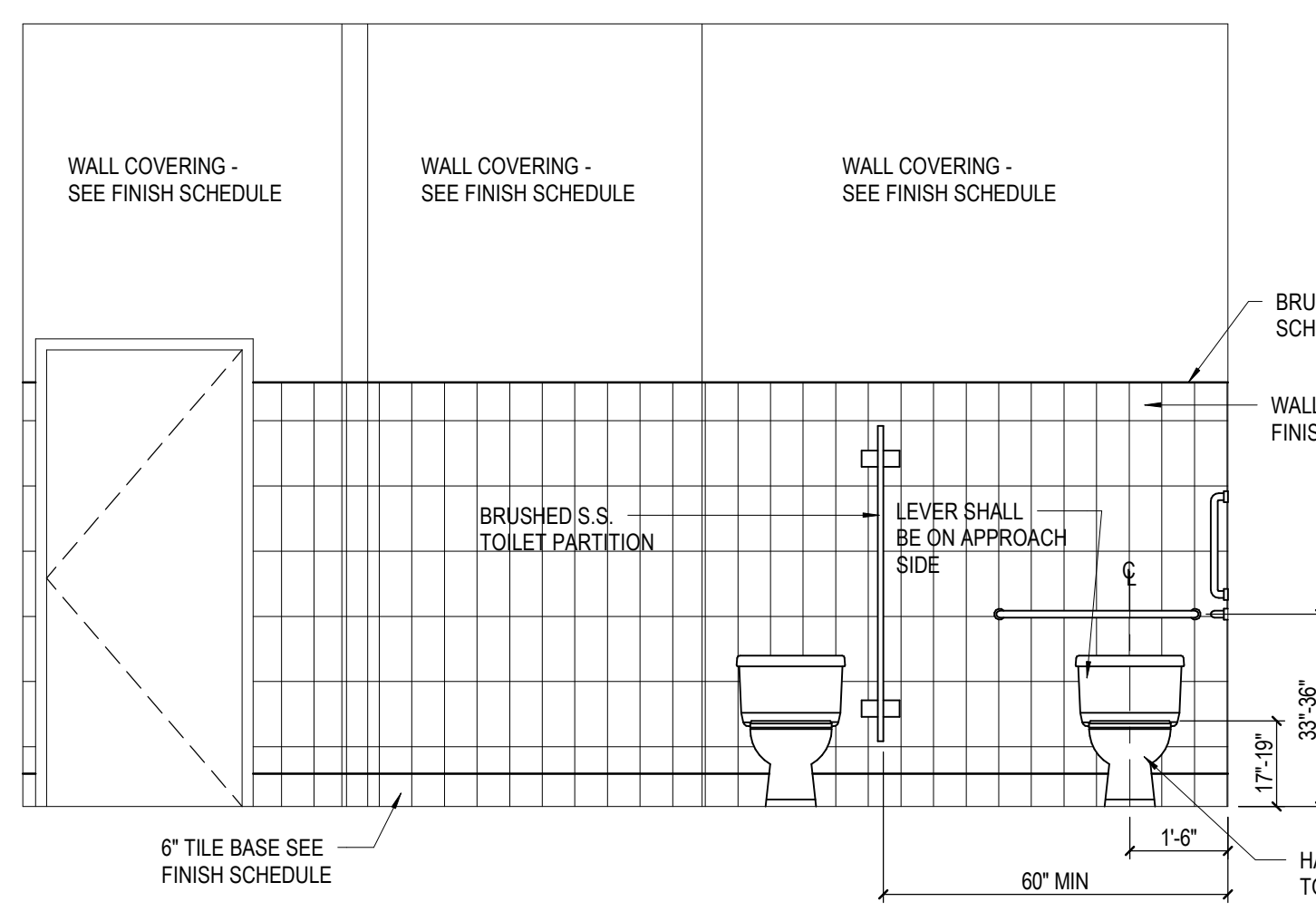
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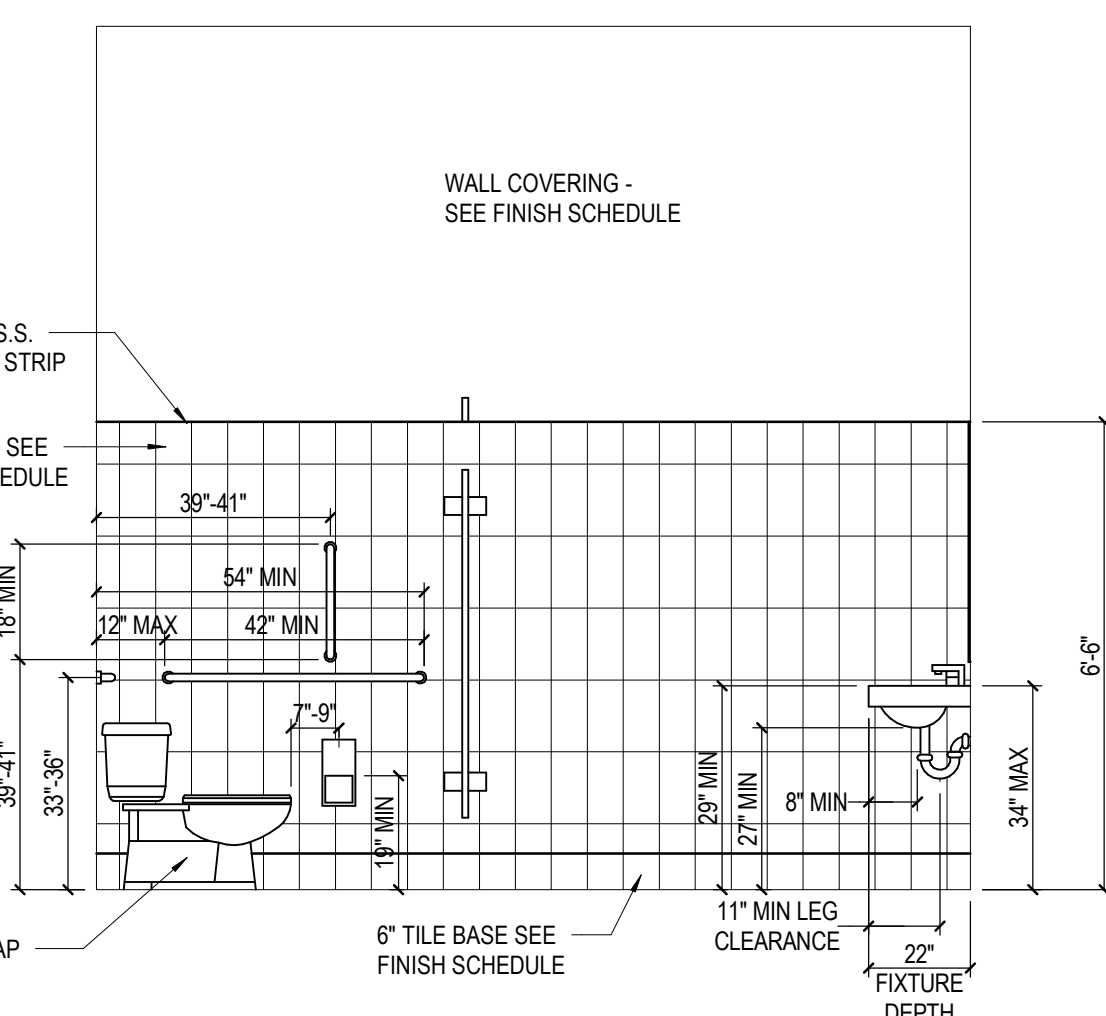
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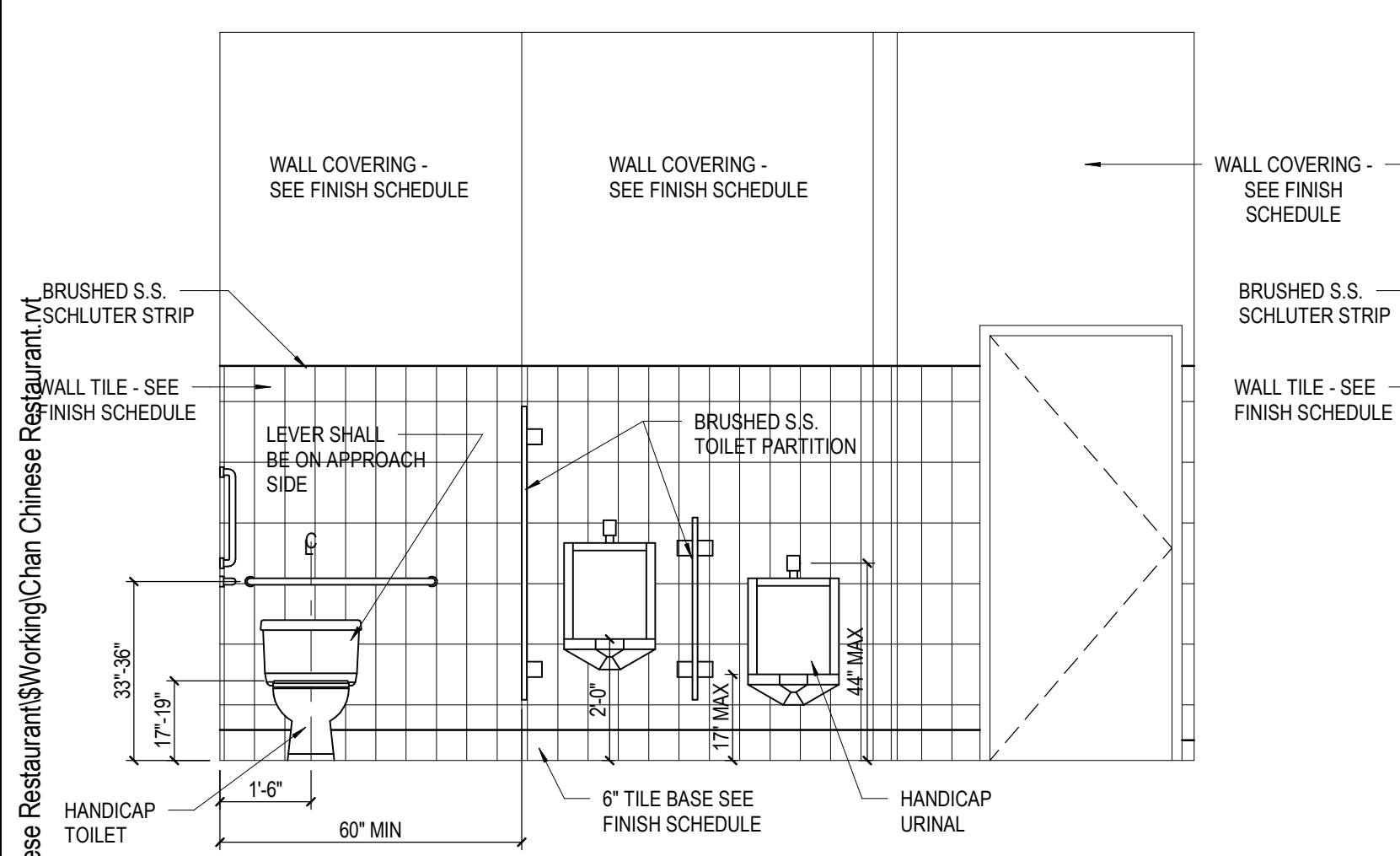
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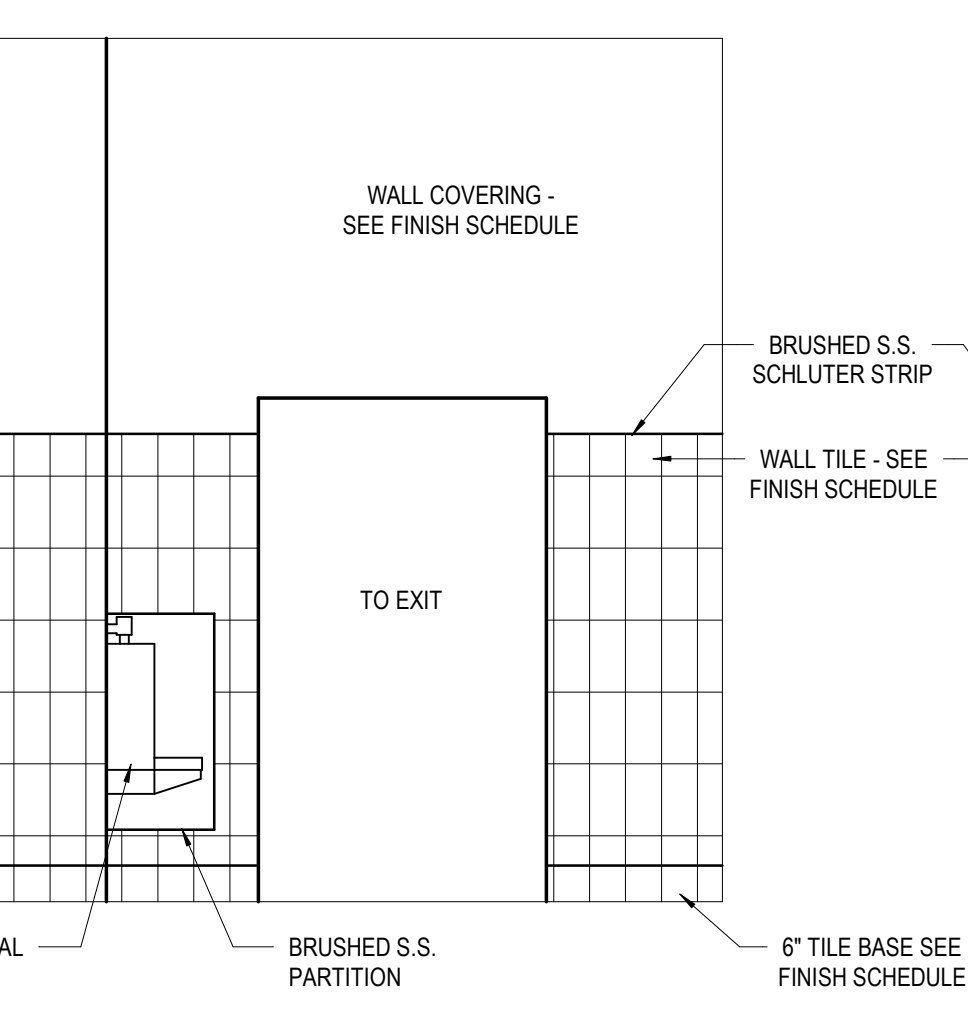
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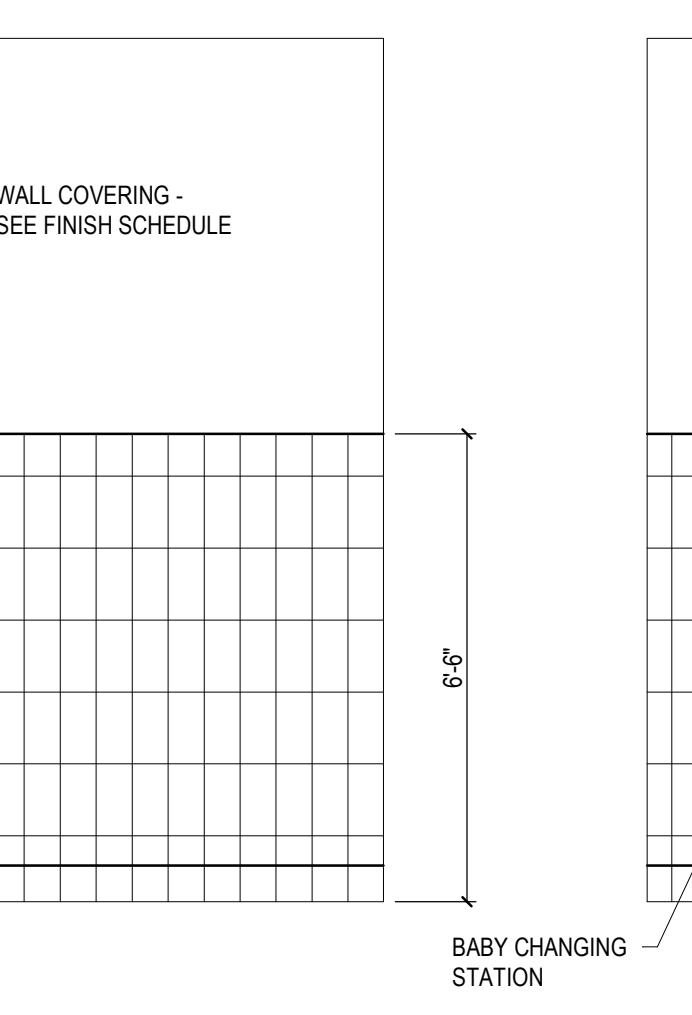
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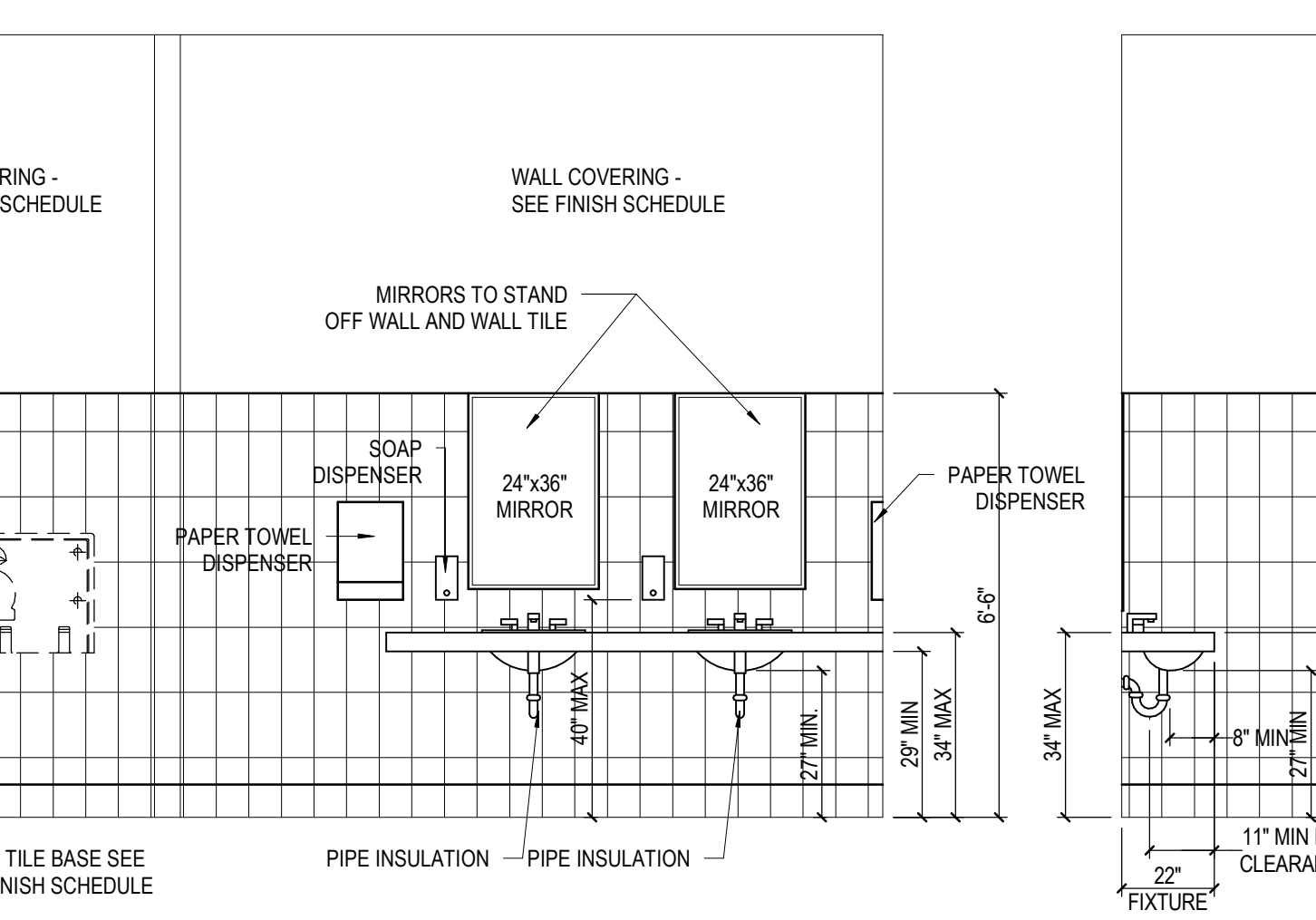
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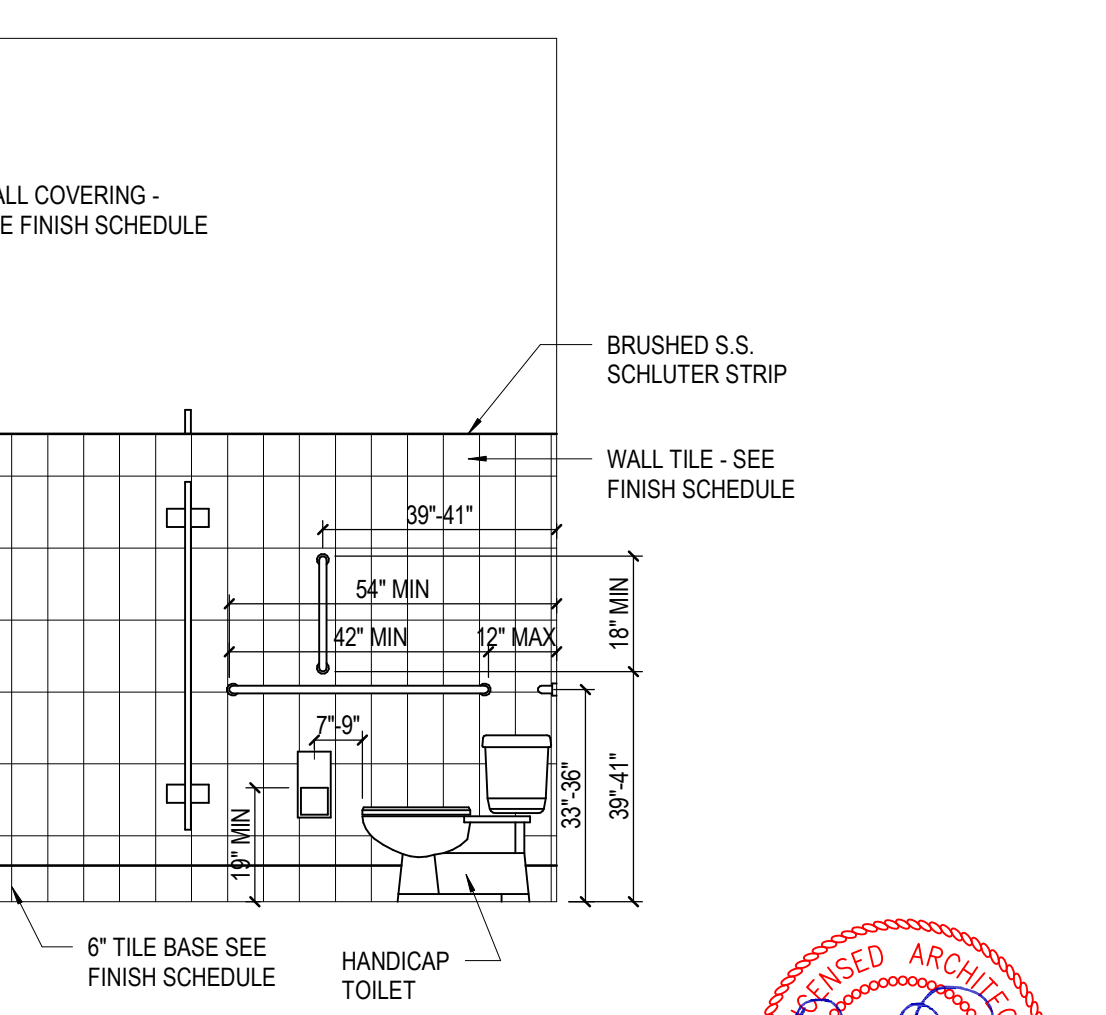
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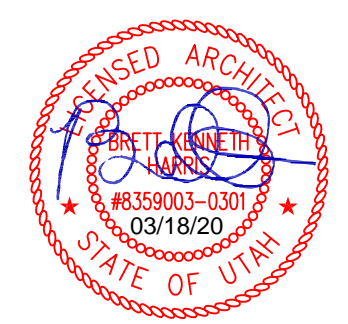


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**Q MENS 122**  
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**BLOSSOM RESTAURANT**  
INTERIOR ELEVATIONS / DETAILS

03/18/2020

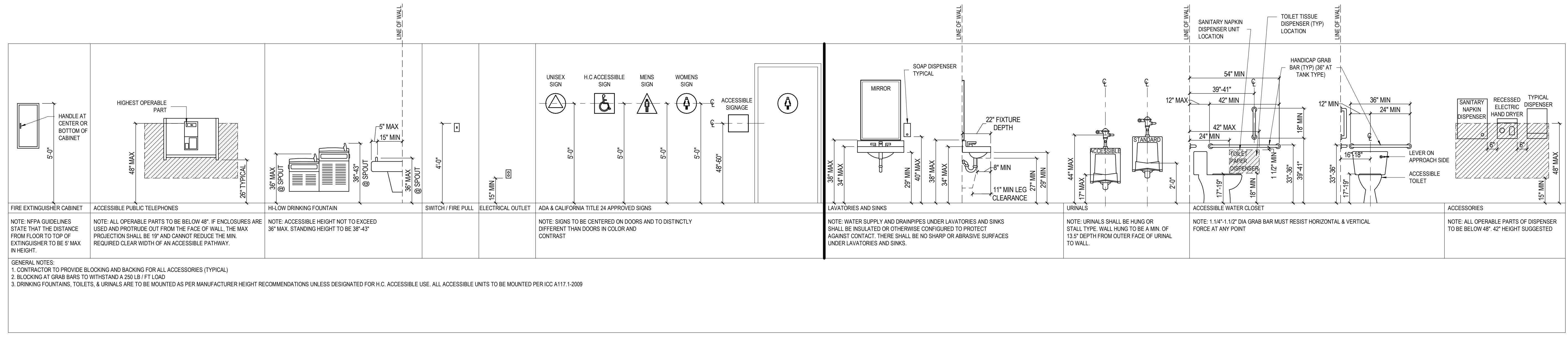
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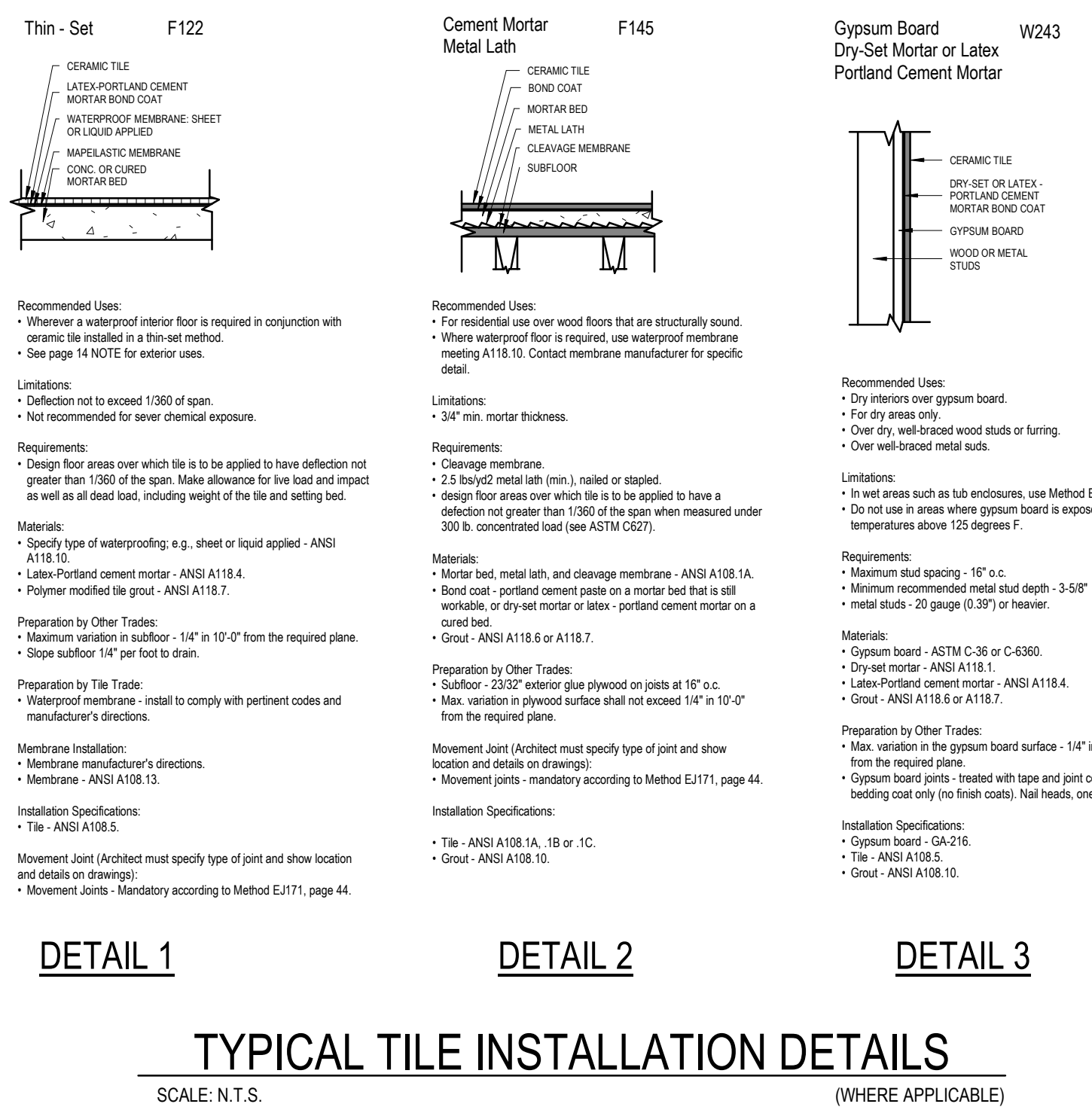
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### TYPICAL MOUNTING DETAILS

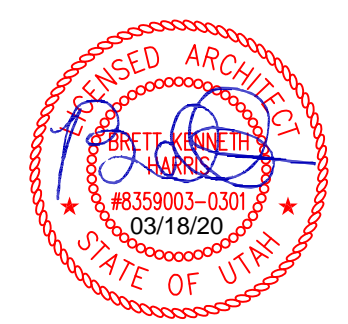
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BLOSSOM RESTAURANT  
TYPICAL DETAILS



03/18/2020

BASIS OF DESIGN

- 1. GOVERNING BUILDING CODE ..... 2018 IBC
2. GRAVITY DESIGN: ROOF DEAD LOAD ..... 15 PSF
ROOF SNOW LOAD ..... 35 PSF
3. SEISMIC DESIGN: LATERAL SYSTEM ..... SHEAR WALL
4. WIND DESIGN: BASIC WIND SPEED ..... 103 MPH
5. SOILS: SOIL BEARING PRESSURE (EARTHTEC PROJECT No 131422) ..... 2500 PSF

GENERAL

- 1. THE GENERAL CONTRACTOR SHALL: A. BECOME FAMILIAR WITH ALL PORTIONS OF THE CONTRACT DOCUMENTS AND ENSURE THAT ALL SUBCONTRACTORS ARE FAMILIAR WITH THOSE PORTIONS PERTAINING TO THEIR AREA OF WORK.
2. CONTRACT DOCUMENTS: A. REFER TO THE SPECIFICATIONS FOR INFORMATION NOT COVERED BY THESE GENERAL NOTES OR THE DRAWINGS.
3. BUILDING CODE COMPLIANCE: A. INSPECTION, TESTING, CONSTRUCTION, WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE GOVERNING BUILDING CODE AND STANDARDS.
4. COORDINATION: A. COORDINATE AND VERIFY ROOF, FLOOR, AND WALL OPENINGS REQUIRED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND/OR OTHER DRAWINGS PRIOR TO CONSTRUCTION.

SITE PREPARATION

- 1. REQUIREMENTS: A. DO NOT PLACE FOOTINGS OR FOUNDATIONS ON DISTURBED SOILS, UNDOCUMENTED FILL, DEBRIS, FROZEN SOIL, OR IN PONDED WATER.
B. ALL UNSUITABLE SOILS AND VEGETATION, SUCH AS TOPSOIL, ORGANIC SOILS, UNDOCUMENTED FILL, DISTURBED NATIVE SOILS, AND OTHER DELETERIOUS MATERIALS, SHALL BE REMOVED FROM BELOW FOOTINGS, FOUNDATIONS, AND FLOOR SLABS.

CONCRETE

- 1. CODES AND STANDARDS: A. CONCRETE WORK SHALL COMPLY WITH THE AMERICAN CONCRETE INSTITUTE (ACI) EDITIONS OF: I. ACI 301. "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
2. MATERIALS: A. CEMENT SHALL CONFORM TO ASTM C150, TYPE II, PORTLAND CEMENT.
B. HARD ROCK AGGREGATES SHALL CONFORM TO ASTM C33. LIGHTWEIGHT AGGREGATES SHALL CONFORM TO ASTM C330.

Table with 7 columns: TYPE OF CONCRETE MEMBER, MINIMUM STRENGTH AT 28 DAYS (PSI), MAX. W/C (RATIO), DRY WEIGHT (PCF), MAX AGGREGATE SIZE (INCHES), AIR ENTRAINMENT (%), MIN. CEMENT PER YARD (LBS). Rows include FOOTINGS, FOUNDATION WALLS, SLAB ON GRADE, INTERIOR, EXTERIOR, SLABS ON DECK, LT. WT., COLUMNS, BEAMS.

- \* LT. WT. CONCRETE SHALL HAVE A MIN. SPLITTING TENSILE STRENGTH OF 450 PSL.
LIMIT FLY ASH TO 15% OF THE TOTAL CEMENTITIOUS MATERIAL.
PEA GRAVEL AGGREGATE AND/OR PLASTICIZER MAY BE USED IN CONGESTED AREAS WHEN REQUIRED TO PROPERLY FILL ALL VOIDS AND/OR FOR WORKABILITY. (CONTRACTOR'S OPINION)

- 4. CONSTRUCTION: A. CONCRETE SHALL BE PROPERLY VIBRATED DURING PLACEMENT.
B. PRIOR TO PLACING CONCRETE CHECK WITH ALL TRADES TO ENSURE PROPER PLACEMENT OF OPENINGS, BLOCKOUTS, SLEEVES, CURBS, CONDUITS, BOLTS, INSERTS, EMBEDS, DOWELS, ETC. ANCHOR BOLTS AND DOWELS SHALL BE PLACED PRIOR TO CASTING CONCRETE.
C. CONSTRUCTION JOINTS AND BULKHEADS SHALL BE FORMED WITH A KEY WAY. ALL CONTACT SURFACES, NEW OR EXISTING, AT CONSTRUCTION JOINTS SHALL BE INTENTIONALLY ROUGHENED PRIOR TO CASTING ADJACENT POUR.

- 6. SLABS ON GRADE: A. INTERIOR SLABS ON GRADE SHALL BE A MINIMUM OF 4 INCHES THICK, SHALL BEAR ON A 4 INCH MINIMUM LAYER OF FREE-DRAINING GRAVEL, AND MAY BE REINFORCED WITH #4 BARS AT 24" O.C. BOTH WAYS, TYPICAL UNLESS NOTED OTHERWISE.
B. LARGE AREAS OF INTERIOR SLABS ON GRADE SHALL BE PLACED IN STRIPS NOT TO EXCEED 120 FEET IN LENGTH NOR 30 FEET IN WIDTH WHICH ARE SUBDIVIDED BY CONSTRUCTION AND/OR CONTRACTION (CONTROL) JOINTS INTO ROUGHLY SQUARES WHO SIDES SHALL NOT EXCEED 15 FEET IN EITHER DIRECTION.

REINFORCING STEEL

- 1. CODES AND STANDARDS: REINFORCING STEEL SHALL COMPLY WITH: I. AMERICAN CONCRETE INSTITUTE BUILDING CODE & COMMENTARY ACI 318.
II. AMERICAN CONCRETE INSTITUTE "DETAILING MANUAL", ACI 315 (OR SP-66).
2. MATERIALS: A. REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS AND SHALL CONFORM TO ASTM A615, GRADE 60, WITH A DESIGN YIELD STRENGTH OF 60,000 PSI EXCEPT AS NOTED BELOW.
I. DOWELS TO BE BENT IN THE FIELD DURING CONSTRUCTION SHALL BE ASTM A615, GRADE 40 OR ASTM A706, GRADE 60, "LOW ALLOW STEEL".

Table with 2 columns: DESCRIPTION, VALUE. Rows include CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, CONCRETE EXPOSED TO EARTH OR WEATHER, #6 AND LARGER, #5 AND SMALLER, CONCRETE NOT EXPOSED TO EARTH OR WEATHER, SLABS AND WALLS, #11 AND SMALLER, BEAMS AND COLUMNS, MAIN REINFORCING OR TIES, SLAB ON GRADE, CENTER OF SLAB.

MASONRY VENEER ANCHOR TIES

- 1. PRODUCTS: A. MASONRY VENEER ANCHOR TIES SHALL BE ONE OF THE FOLLOWING: I. DOWELTIAL ANCHORS.
II. DX-10 SEISMIC CLIP INTERLOCK SYSTEM BY HOHMANN & BARNARD.
III. ARCHITECT AND STRUCTURAL ENGINEER APPROVED TWO PIECE ADJUSTABLE HOT-DIPPED GALVANIZED TIES.
2. INSTALLATION: A. MAXIMUM SPACING SHALL BE 16" O.C. HORIZONTAL AND VERTICAL.

GENERAL FRAMING NOTES

- 1. ALL JOISTS, RAFTERS, POSTS AND HEADER SHALL BE DOUGLAS FIR LARCH NO. 2 OR EQUAL U.N.O. IF FT'S OR EQUAL ARE USED, THEY MUST BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. ALSO PROVIDE BRIDGING @ 4" FOR TIMBER FLOOR JOISTS.
2. ALL JOISTS AND RAFTERS SHALL HAVE SOLID BLOCKING AT THEIR BEARING POINTS. ROOF JOISTS TO HAVE HURRICANE CLIPS @ 24" O.C. MIN.
3. ALL WOOD/LUMBER PLACED ONTO CONCRETE SHALL BE PRESSURE TREATED OR REDWOOD.
4. ALL WOOD CONNECTIONS MUST CARRY THE CAPACITY OF THE MEMBER, CONTRACTOR IS RESPONSIBLE FOR CONNECTIONS. IF OTHER THAN STANDARD CONNECTIONS ARE REQUIRED, SEE PROJECT ENGINEER FOR ADDITIONAL ASSISTANCE. USE SIMPSON OR EQUAL CONNECTIONS FOR WOOD TO WOOD.

- 17. GIULAM BEAMS SHALL BE 24F-V4 DF/DF FOR SINGLE SPANS AND 24F-V8 DF/DF FOR MULTIPLE SPANS, AND CANTILEVERED SPANS.
18. ALL RAFTERS AND JOISTS OVER THREE FEET LONG SHALL BE HANGERED IF NOT SUPPORTED BY BOTTOM BEARING. ALL HANGERS AND OTHER WOOD CONNECTIONS MUST BE DESIGNED TO CARRY THE CAPACITY OF THE MEMBER THAT THEY ARE SUPPORTING.
19. FRAMING CONNECTIONS NOTED ON THE DRAWINGS ARE SIMPSON STRONG TIE OR EQUAL. INSTALL WITH THE CATALOG DESIGNATED CONNECTOR IN EACH HOLE.
20. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED UNLESS SPECIFICALLY SHOWN, NOTED OR APPROVED BY ENGINEER.

WOOD TRUSS NOTES

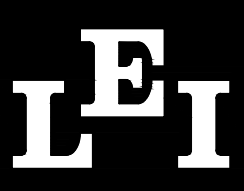
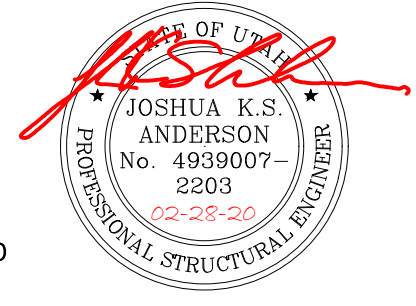
Table with 2 columns: CONNECTION, NAILING. Rows include JOIST TO SILL OR GIRDER, TOENAIL; BRIDGING TO JOIST, TOENAIL EACH END; 1"x6" (25mm x 152mm) SUB FLOOR OR LESS TO EACH JOIST, FACE NAIL; WIDER 1"x6" (25mm x 152mm) SUB FLOOR TO EACH JOIST, FACE NAIL; 2" (51mm) SUB FLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL; SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL; SOLE PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANELS; TOP PLATE TO STUD, END NAIL; STUD TO SOLE PLATE; DOUBLE STUDS, FACE NAIL; DOUBLE TOP PLATES, TYPICAL FACE NAIL; DOUBLE TOP PLATES, LAP SPLICE; BLOCKING BETWEEN JOIST OR RAFTERS TO TOP PLATE, TOENAIL; RIM JOIST TO TOP PLATE, TOENAIL; TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL; CONTINUOUS HEADER, TWO PIECES; CEILING JOIST TO PLATE, TOENAIL; CONTINUOUS HEADER TO STUD, TOENAIL; CEILING JOIST LAPS OVER PARTITIONS, FACE NAIL; CEILING JOIST TO PARALLEL RAFTERS, FACE NAIL; RAFTERS TO PLATE, TOENAIL; 1" (25mm) BRACE TO EACH STUD AND PLATE, FACE NAIL; 1"x6" (25mm x 203 mm) SHEATHING OR LESS TO EACH BEARING, FACE NAIL; WIDER THAN 1"x6" (25mm x 203mm) SHEATHING TO EACH BEARING, FACE NAIL; BUILT-UP CORNER STUDS; BUILT-UP GIRDER AND BEAMS; 2" (51mm) PLANKS; WOOD STRUCTURAL PANELS AND PARTICLEBOARD: 2 SUBFLOOR AND WALL SHEATHING (TO FRAMING); 1/2" (12.7mm) AND LESS; 19/32" - 3/4" (15mm-19mm); 7/8" - 1" (22mm-25mm); 1 1/8" - 1 1/4" (29mm-32mm); COMBINATION SUBFLOOR-UNDERLAYMENT (TO FRAMING); 3/4" (19mm) AND LESS; 7/8" - 1" (22mm-25mm); 1 1/8" - 1 1/4" (29mm-32mm); 27. PANEL SIDING (TO FRAMING) 2; 1/2" (12.7mm) OR LESS; 5/8" (16mm); 28. FIBERBOARD SHEATHING: 7; 1/2" (12.7mm); 25/32" (20mm); 29. INTERIOR PANELING; 1/4" (6.4mm); 3/8" (9.5mm).

- 1. COMMON OR BOX NAILS MAY BE USED EXCEPT WHERE OTHERWISE STATED.
2. NAILS SPACED AT 6 INCHES (152mm) ON CENTER AT EDGES, 12 INCHES (305mm) AT INTERMEDIATE SUPPORTS EXCEPT 6 INCHES (152mm) AT ALL SUPPORTS WHERE SPANS ARE 48 INCHES (1219mm) OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305.
3. COMMON OR DEFORMED SHANK.
4. COMMON.
5. DEFORMED SHANK.
6. CORROSION-RESISTANT SIDING OR CASING NAILS.
7. FASTENERS SPACED 3 INCHES (76mm) ON CENTER AT EXTERIOR EDGES AND 6 INCHES (152mm) ON CENTER AT INTERMEDIATE SUPPORTS.
8. CORROSION-RESISTANT ROOFING NAILS WITH 7/16 INCH DIAMETER (11mm) HEAD AND 1 1/2 INCH (38mm) LENGTH FOR 1/2 INCH (12.7mm) SHEATHING AND 1 3/4 INCH (44mm) LENGTH FOR 25/32 INCH (20mm) SHEATHING.
9. CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16 INCH (11mm) CROWN AND 1 1/8 INCH (29mm) LENGTH FOR 1/2 INCH (12.7mm) SHEATHING AND 1 1/2 INCH (38mm) LENGTH FOR 25/32 INCH (20mm) SHEATHING.
10. PANEL SUPPORTS AT 16 INCHES (406mm) [20 INCHES (508mm) IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED]. CASING OR FINISH NAILS SPACED 6 INCHES (152mm) ON PANEL EDGES, 12 INCHES (305mm) AT INTERMEDIATE SUPPORTS.
11. PANEL SUPPORTS AT 24 INCHES (610mm). CASING OR FINISH NAILS SPACED 6 INCHES (152mm) ON PANEL EDGES, 12 INCHES (305mm) AT INTERMEDIATE SUPPORTS.

- 1. BOTTOM CHORDS OF TRUSSES ACTING AS CEILING MEMBERS MUST BE ABLE TO SUPPORT A 10 PSF LIVE LOAD PER CURRENT IBC REQUIREMENTS.
2. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN AND FABRICATION OF THE PRE-ENGINEERED TRUSSES, AND SHALL DESIGN THE TRUSSES PER ATTACHED ENGINEERING SPECIFICATIONS.
3. THE TRUSSES SHALL BE DESIGNED TO CARRY ANY ADDITIONAL LOADS DUE TO MECHANICAL UNITS, OVERHEAD DOORS, ROOF OVERBUILDS, ETC.
4. THE TRUSSES SHALL ALSO BE DESIGNED PER THE CURRENT IBC, AND LOCAL ORDINANCES.
5. ALL MEMBERS SHALL BE DESIGNED FOR COMBINED STRESSES, BASED ON THE WORST LOADING CONDITION.
6. THE TRUSS MANUFACTURER SHALL INDICATE PROPER BRACING OF COMPRESSION CHORD MEMBERS @ 6'-0" LONG (OR LONGER), AS WELL AS BRACING FOR TRUSS ERECTION.
7. ALL DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE TRUSSES PER THE TRUSS MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. NO WEB OR CHORD MEMBERS SHALL BE MODIFIED IN THE FIELD.
9. THE PROJECT ENGINEER, OR ENGINEER OF RECORD, IS NOT RESPONSIBLE FOR THE PRE-ENGINEERED TRUSSES, NOR FOR THE INSTALLATION ETC. OF THE TRUSSES. TRUSS LAYOUT IS CONSISTENT WITH THESE PLANS. ENGINEER SHOULD BE NOTIFIED OF ANY DEVIATION.
10. FABRICATION OF TRUSSES SHALL BE AS APPROVED BY TPI EXCEPT THAT THIS SPECIFICATION SHALL GOVERN WHEN IT EXCEEDS TPI REQUIREMENTS.
11. FABRICATE TRUSSES FROM APPROVED SHOP DRAWINGS.
12. FABRICATE TRUSSES IN JIGS WITH MEMBERS ACCURATELY CUT TO PROVIDE GOOD BEARING AT JOINTS. JOINTS SHALL BE ACCEPTABLE IF THE AVERAGE OPENING BETWEEN ENDS OF MEMBERS IMMEDIATELY AFTER FABRICATION IS LESS THAN 1/4", EXCEPT THAT TRUSS COMPRESSION CHORD JOINTS AT SPLICES AND RIDGES SHALL HAVE FULL CONTACT BETWEEN MEMBERS.
13. EACH CHORD SECTION SHALL BE INVOLVED IN TWO PANEL POINTS BEFORE BEING SPLICED.
14. PROVIDE 1/4" CAMBER FOR EACH 6 FEET OF TRUSS UNLESS OTHERWISE INDICATED.
15. TRUSS FABRICATORS USING METAL PLATES SHALL HAVE PLANT INSPECTED FOUR TIMES PER YEAR BY AN INDEPENDENT TESTING LABORATORY IN ACCORDANCE WITH TPI REGULATIONS AND COPIES OF INSPECTIONS MADE AVAILABLE TO OWNER UPON REQUEST.

REVISIONS

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BLOSSOM RESTAURANT
STRUCTURAL NOTES

Date
01/16/2020

SO.0

STRUCTURAL STEEL

- 1. CODES AND STANDARDS:
A. STRUCTURAL STEEL WORK SHALL COMPLY WITH:
I. THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", WITH "COMMENTARY".
II. AISC "CODE OF STANDARD PRACTICE" EXCLUDING SECTIONS 1.5.1, 3.3 (1ST SENTENCE), 4.2, 7.5.4, AND 7.11.5.
III. AMERICAN WELDING SOCIETY (AWS) "STRUCTURAL WELDING CODE", EXCLUDING ITEMS CONFLICTING WITH AISC REQUIREMENTS.
2. MATERIALS:
A. STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A572 GRADE 50 ENHANCED STEEL. STRUCTURAL STEEL PLATES SHALL CONFORM TO ASTM A58.
B. STRUCTURAL TUBE STEEL SHALL CONFORM TO ASTM A500, GRADE B, WITH A MINIMUM YIELD STRENGTH Fy=48 KSI.
C. STRUCTURAL PIPE SHALL CONFORM TO ASTM A53, WITH A MINIMUM YIELD STRENGTH Fy=36 KSI.
D. HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM A325. ALL OTHER BOLTS SHALL CONFORM TO ASTM A307 OR BETTER.
E. WELDED ANCHOR STUDS AND DEFORMED BAR ANCHORS SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS.

- 3. CONSTRUCTION:
A. FABRICATION SHALL BE DONE IN AN APPROVED FABRICATOR'S SHOP.
B. CAMBER IN BEAMS SHALL BE AS INDICATED ON PLANS.
C. PROVIDE A SHOP COAT OF PAINT ON ALL STEEL ITEMS, EXCEPT AT AREAS OF WELDING AND/OR BOLTING.
D. USE HIGH STRENGTH (8000 PSI MINIMUM AT 28 DAYS), NON-SHRINK, LIQUID EPOXY GROUT BENEATH ALL STEEL BASE PLATES AND BEARING PLATES. MIX GROUT WITH SAND OR FEA GRAVEL AS RECOMMENDED BY THE MANUFACTURER. PLACE GROUT AS SOON AS STEEL MEMBER HAS BEEN PROPERLY POSITIONED AND ALIGNED.
E. WHERE STRUCTURAL STEEL WIDE FLANGE, PIPE, OR TUBE SECTIONS ARE EMBEDDED IN CONCRETE OR MASONRY AND REINFORCING BARS BUTT TO IT, DEFORMED BAR ANCHORS OR REINFORCING BARS WITH THE SAME SIZE AND SPACING AS THE ADJACENT REINFORCING BARS, 48 BAR DIAMETERS LONG, SHALL BE WELDED TO THE STRUCTURAL STEEL. THE MANUFACTURER'S WELDING PROCEDURES SHALL BE ADHERED TO.
4. BOLTED CONNECTIONS:
A. BOLTS SHALL BE 3/4" DIAMETER, UNLESS NOTED OTHERWISE.
B. BOLT SHALL BE BEARING TYPE CONNECTIONS UNLESS NOTED OTHERWISE.
C. STEEL TO STEEL BOLTED CONNECTIONS SHALL BE MADE WITH ASTM A325 HIGH STRENGTH BOLTS AND NUTS, UNLESS NOTED OTHERWISE. BOLTS SHALL CARRY THE IDENTIFYING MARK OF THREE (3) RADIAL LINES.
D. ALL OTHER BOLTED CONNECTIONS SHALL BE MADE WITH BOLTS AND NUTS CONFORMING TO ASTM A307 UNLESS NOTED OTHERWISE, INCLUDING ANCHOR BOLTS.
E. BOLTED CONNECTIONS SHALL BE TIGHTENED AND SHALL HAVE WASHERS AS REQUIRED BY AISC UNLESS NOTED OTHERWISE.
F. ENLARGING OF HOLES SHALL BE ACCOMPLISHED BY MEANS OF REAMING. DO NOT USE A TORCH ON ANY BOLT HOLES.

- 5. WELDED CONNECTIONS:
A. WELDED CONNECTIONS SHALL BE MADE USING LOW HYDROGEN MATCHING FILLER MATERIAL ELECTRODES, UNLESS NOTED OTHERWISE.
B. WELDERS SHALL BE CURRENTLY CERTIFIED ACCORDING TO AWS WITHIN THE LAST 12 MONTHS. ALL WELDING PROCEDURES SHALL BE PRE-QUALIFIED. WELDERS SHALL FOLLOW WELDING PROCEDURES.
C. WELDING AND GAS CUTTING SHALL BE DONE PER AWS.
D. WELDS SHALL HAVE THE SLAG REMOVED.

STEEL DECK

- 1. PRODUCT:
A. STEEL DECK SHALL BE SIZE AND GAUGE AS SPECIFIED ON PLANS.
B. STEEL DECK AND ACCESSORIES SHALL BE MANUFACTURED FROM COLD ROLLED STEEL CONFORMING TO ASTM A-443, GRADE 1 (GALVANIZED G-80), AND SHALL CONFORM TO THE STEEL DECK INSTITUTE AND AISC STANDARDS.
2. ATTACHMENT AND HANDLING:
A. WELDING PATTERN SHALL BE AS SPECIFIED ON PLAN.
B. WELD METAL DECK TO SUPPORTING FRAMING MEMBERS WITH BROXX OR EPOXX ELECTRODES.
C. PUDDLE WELD SHALL HAVE A FUSION AREA OF NOT LESS THAN 3/4" DIAMETER AT THE UPPER SURFACE. WELD METAL SHALL PENETRATE ALL LAYERS OF THE DECK MATERIAL AND SHALL HAVE PROPER FUSION TO THE SUPPORTING MEMBERS.
D. CRIMP SIDE SEAMS BEFORE WELDING SIDE LAPS. TOP SEAM WELDS SHALL ENGAGE ALL LAYERS OF THE DECK MATERIAL.
E. END LAPS SHALL OVERLAP AT LEAST 2" AND SHALL OCCUR OVER A SINGLE STEEL SUPPORT. PUDDLE WELDS SHALL OCCUR AT LEAST 1" AWAY FROM EITHER EDGE OF DECK.
F. PUDDLE WELDS 3/8"x1/8" LONG MAY REPLACE 3/4" DIAMETER PUDDLE WELDS WHEN ACCESS IS LIMITED.
G. INSTALL DECK WITH A MINIMUM OF 3 SPANS WHEREVER POSSIBLE.
H. PROVIDE ANGLE AND/OR OTHER SUPPORT AROUND THE PERIMETER OF ALL OPENINGS THROUGH METAL DECK.
I. DO NOT BEND OR MAR DECK.
J. STORE DECKING OFF THE GROUND WITH ONE END ELEVATED. COVER DECK WITH WATERPROOF MATERIAL AND VENTILATE TO AVOID CONDENSATION.
K. STEEL DECKING SHALL BE FACTORY PRIMED ON BOTH FACES AS PER THE SPECIFICATIONS.

DEFERRED SUBMITTALS

THE CONTRACTOR SHALL SUBMIT THE FOLLOWING DOCUMENTS TO THE ARCHITECT/ENGINEER FOR APPROVAL. THE DOCUMENTS MAY BE SUBMITTED AFTER A PERMIT IS ISSUED IF ALLOWED BY THE GOVERNING JURISDICTION. THE DOCUMENTS SHALL BE SUBMITTED, REVIEWED, A RECEIVED BACK FROM TO CONSTRUCTION OR FABRICATION.

SPECIAL INSPECTIONS

- 1. THE PROJECT OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED BELOW. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCY TO THE SATISFACTION OF THE BUILDING OFFICIAL. FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION, THESE INSPECTORS ARE IN ADDITION TO THE INSPECTIONS REQUIRED BY THE BUILDING DEPARTMENT OF THE LOCAL JURISDICTION.
2. SPECIAL INSPECTIONS SHALL KEEP RECORDS OF INSPECTIONS THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE WITH APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT A PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTION SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
3. WHERE FABRICATION OF STRUCTURAL LOAD BEARING MEMBERS AND ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS REQUIRED BELOW SHALL BE PROVIDED IN THE SHOP DURING THE FABRICATION PROCESS. THIS REQUIREMENT MAY BE EXCEPTEED IF THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. A CERTIFICATE SHALL BE REQUIRED TO VERIFY SHOP APPROVAL. AT COMPLETION OF THE FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
4. CONTINUOUS SPECIAL INSPECTION IS REQUIRED DURING FIELD CUTTING OPERATIONS OF ELEMENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR NAILING, BOLTING, ANCHORING, AND OTHER FASTENING OF COMPONENTS WITHIN THE MAIN WINDFORCE-RESISTING SYSTEM, INCLUDING WOOD SHEAR WALLS, WOOD DIAPHRAGMS, DRAG STUDS, BRACES, AND HOLD-DOWNS.
EXCEPTION: SPECIAL INSPECTION IS NOT REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS INCLUDING NAILING, BOLTING, ANCHORING, AND OTHER FASTENING TO OTHER COMPONENTS OF THE MAIN WINDFORCE-RESISTING SYSTEM, WHERE THE FASTENING SPACING OF THE SHEATHING IS MORE THAN 4 INCHES (100 mm) ON CENTER.

REQUIRED SPECIAL INSPECTIONS:

- 1. FIELD WELDING OF STRUCTURAL STEEL
2. POST INSTALLED CONCRETE ANCHORS

Table with 4 columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REFERENCED STANDARD. Rows include required special inspections for bolting or welding, such as verifying weld procedures, manufacturer certifications, and groove welds.

Table 1705.3: REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION. Table with 4 columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REFERENCED STANDARD, IBC REFERENCE. Rows include inspection of reinforcing steel, concrete strength tests, and curing techniques.

FOR SE: 1 INCH = 25.4 mm
A. WHERE APPLICATION, SEE ALSO SECTION 1705.11. SPECIAL INSPECTION FOR SEISMIC RESISTANCE.
B. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE DESIGN REPORT FOR ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH ACE 303.2 OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF THE WORK.

Table with 4 columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REFERENCED STANDARD. Rows include required special inspections during bolting or welding, such as welder qualifications, control of handling, and environmental conditions.

1. NOTE: SPECIAL INSPECTION IS NOT REQUIRED DURING BOLTING OF SNUG TIGHT CONNECTIONS.
2. NOTE: SPECIAL INSPECTION IS NOT REQUIRED DURING PRETENSIONING OF PRETENSION JOINTS OR SUP-CRITICAL JOINTS WHEN INSTALLER IS USING THE TURNING-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT TENSION INDICATOR METHOD, OR TIGHT-OFF-TYPE TENSION CONTROL BOLT METHOD.

Table with 4 columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REFERENCED STANDARD. Rows include required special inspections after bolting or welding, such as weld cleanliness, groove welds, and repair activities.

Table 1705.6: REQUIRED VERIFICATION AND INSPECTION OF SOILS. Table with 3 columns: VERIFICATION AND INSPECTION TASK, CONTINUOUS DURING TASK LISTED, PERIODIC DURING TASK LISTED. Rows include verification of soil bearing capacity, excavation depths, and soil classification.

Table 1705.2.2: REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL. Table with 4 columns: VERIFICATION AND INSPECTION, CONTINUOUS, PERIODIC, REFERENCED STANDARD, IBC REFERENCE. Rows include material verification of cold-formed steel deck and inspection of welding.

FOR SE: 1 INCH = 25.4 mm
A. WHERE APPLICATION, SEE ALSO SECTION 1705.11. SPECIAL INSPECTION FOR SEISMIC RESISTANCE.



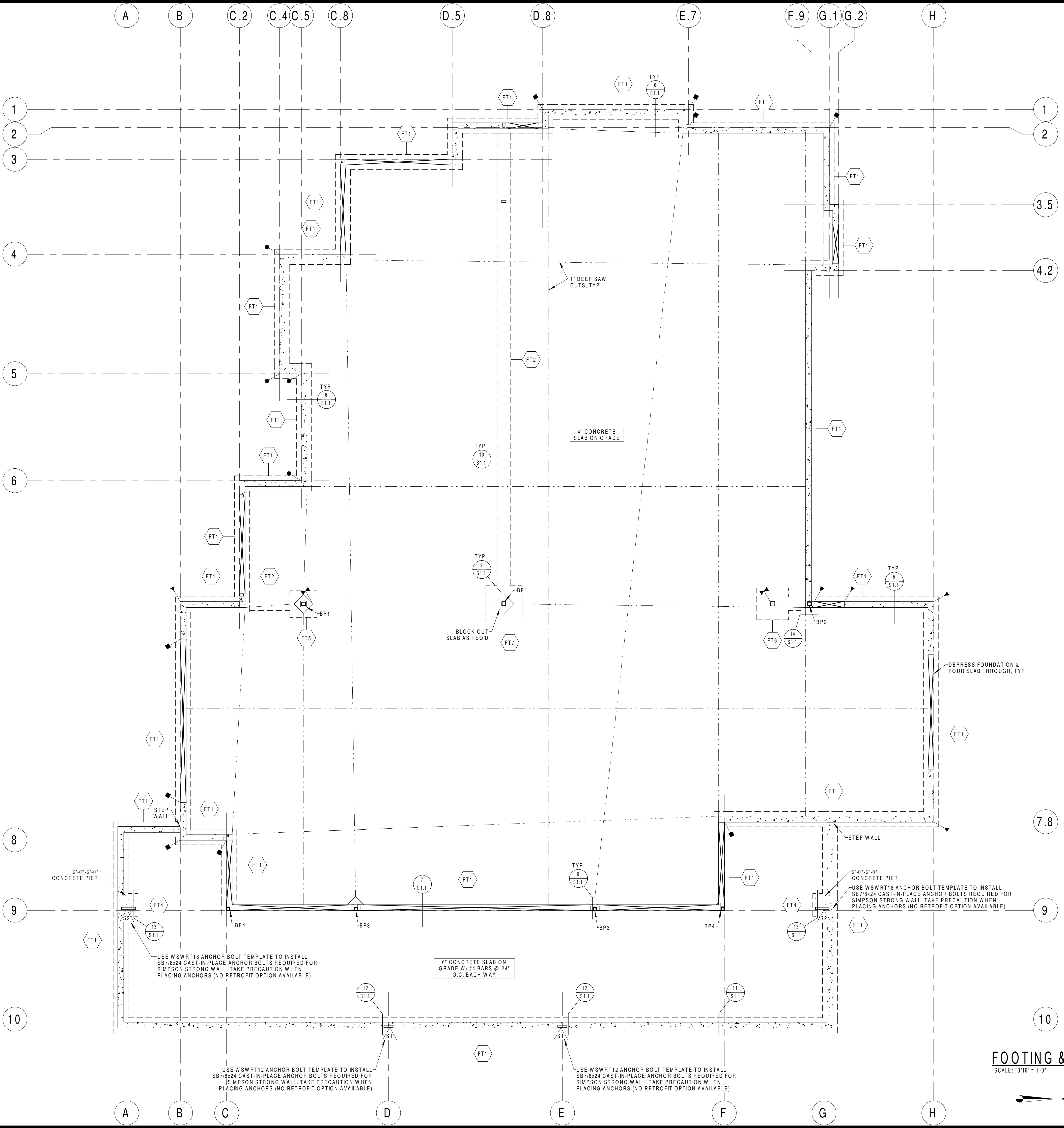
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BLOSSOM RESTAURANT
STRUCTURAL NOTES



THESE DRAWINGS OR ANY PART THEREOF, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF THE ARCHITECTS AND MAY NOT BE REPRODUCED OR USED ON OTHER WORK WITHOUT THEIR WRITTEN CONSENT.  
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### FOOTING SCHEDULE

DESIG.	LENGTH	WIDTH	DEPTH	LENGTHWISE REINFORCEMENT			CROSSWISE REINFORCEMENT			CAPACITY	NOTE	
				QTY.	SIZE	SPACING	QTY.	SIZE	SPACING			
FT1	CONT.	20"	10"	2	#4	CONT.	EQ.	-	-	-	4167 PLF	
FT2	CONT.	18"	10"	2	#4	CONT.	EQ.	-	-	-	3750 PLF	
FT3	24"	24"	10"	3	#4	18"	EQ.	3	#4	18"	EQ.	10000 LBS
FT4	30"	30"	10"	3	#4	24"	EQ.	3	#4	24"	EQ.	15825 LBS
FT5	36"	36"	10"	4	#4	30"	EQ.	4	#4	30"	EQ.	22500 LBS
FT6	42"	42"	10"	4	#4	36"	EQ.	4	#4	36"	EQ.	30825 LBS
FT7	48"	48"	10"	5	#4	42"	EQ.	5	#4	42"	EQ.	40000 LBS

NOTES:  
 1. F<sub>1</sub> = 2000 PSI, F<sub>2</sub> = 6000 PSI, NO SPECIAL INSPECTION REQUIRED.  
 2. FOOTINGS SHALL BEAR ON UNDISTURBED NATIVE SOIL OR STRUCTURAL COMPACTED FILL (85% COMPACTION), SPECIFIED AND TESTED BY A REGISTERED GEOTECHNICAL ENGINEER.  
 3. ALL FOOTINGS SHALL BEAR BELOW THE FROST LINE OF THE LOCALITY (10" MIN.) PROVIDE 12" DIAMETER CONDUIT AT EXTERIOR SPOT FOOTINGS PER DETAIL 10S1.1.  
 4. PROVIDE J-BARS TO MATCH VERTICAL FOUNDATION WALL REINFORCEMENT WITH 24" MINIMUM LAP SPICE INTO FOUNDATION WALL.  
 5. CENTER FOOTING UNDER FOUNDATION WALL U.N.D.

### FOUNDATION WALL SCHEDULE

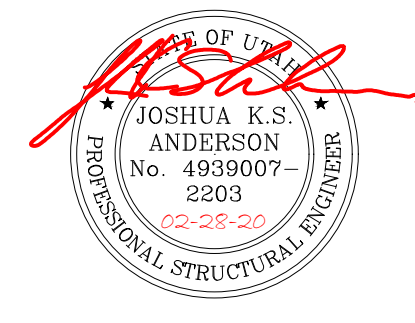
MAXIMUM HEIGHT	REINFORCEMENT
3' FOUNDATION WALL	#4 BARS @ 24" O.C. VERTICAL, (3) #4 BARS HORIZONTAL

NOTES:  
 1. USE S87 DIAMETER 1" EMBEDMENT ANCHOR BOLTS AT 30" O.C. W/ 12"x12" (Ø 22") PLATE WASHERS AT ALL EXTERIOR AND SHEAR WALLS U.N.D. EDGE OF PLATE WASHER TO BE LAPPED WITHIN 10" OF SHEATH EDGE OF FULL PLATE.  
 2. F<sub>1</sub> = 2000 PSI, F<sub>2</sub> = 6000 PSI, NO SPECIAL INSPECTION REQUIRED.  
 3. PLACE (1) BAR BELOW AND ON EACH SIDE OF EACH OPENING AND (2) BARS ABOVE EACH OPENING. BARS SHALL BE PLACED WITHIN 2" OF THE OPENINGS AND EXTEND 24" BEYOND THE EDGE OF THE OPENING. VERTICAL BARS MAY TERMINATE 3" FROM THE TOP OF THE CONCRETE. OPENING REINFORCEMENT IS IN ADDITION TO STANDARD WALL REINFORCEMENT.  
 4. TOP AND BOTTOM BARS SHALL BE WITHIN 4" OF THE TOP AND BOTTOM OF THE WALL.  
 5. PLACE REINFORCEMENT IN THE CENTER OF THE WALL U.N.D.

### HOLDOWN SCHEDULE

SYMBOL	HOLDOWN STRAP
●	1STD08BRJ HOLDOWN SEE DETAIL 15S4.0
■	STD1010RJ HOLDOWN SEE DETAIL 15S4.0
▲	STD1414RJ HOLDOWN SEE DETAIL 15S4.0
⊕	H004-S052 S RETROFIT HOLDOWN W/ 5/8" DIA. A36 THREADED ROD ANCHOR EMBEDDED 8" INTO FOOTING W/ SIMPSON SET-XP OR AT-XP EPOXY SEE DETAIL 16S1.1

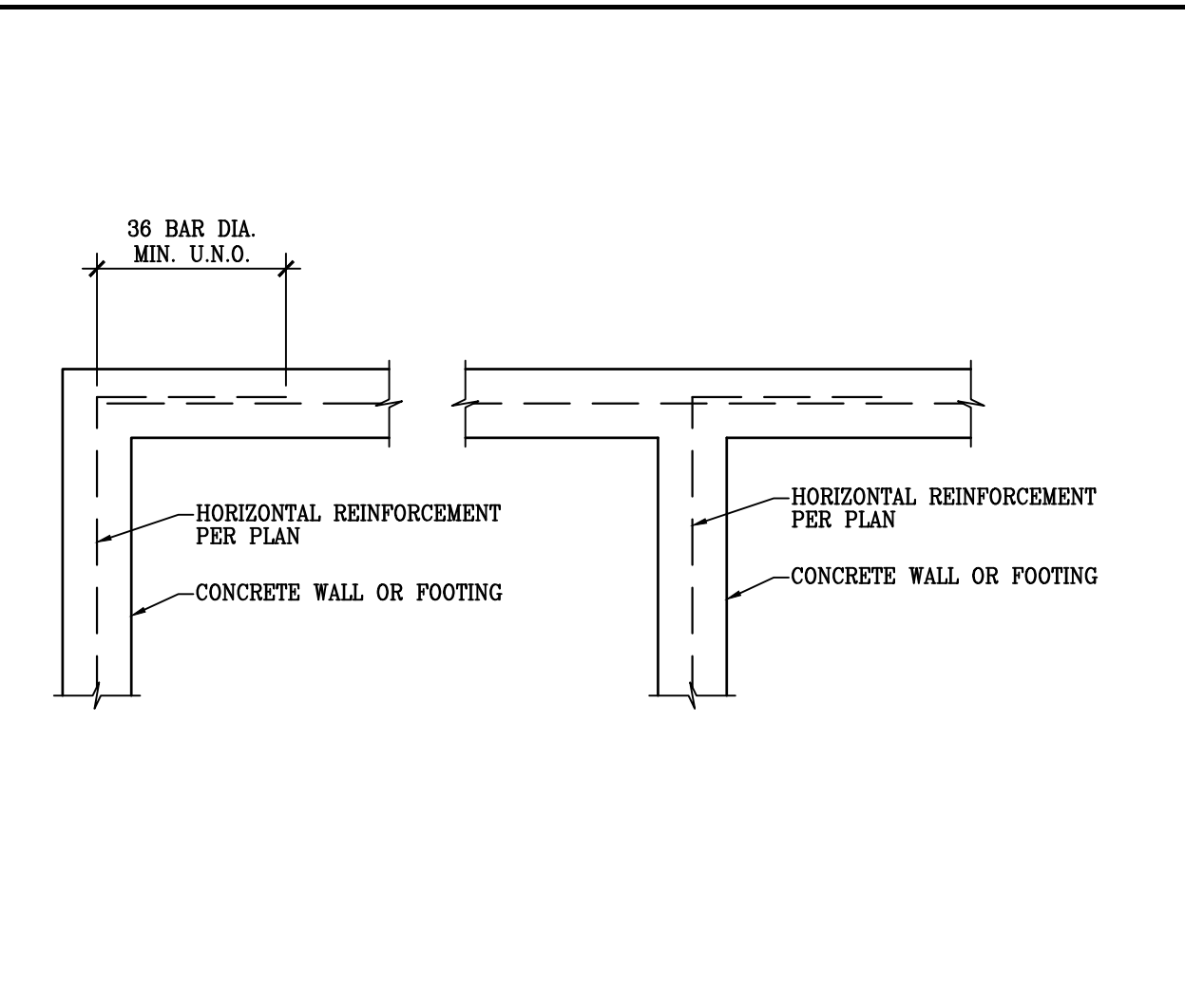
NOTE:  
 REFER TO 15/1.1 FOR  
 BASE PLATE DIMENSIONS



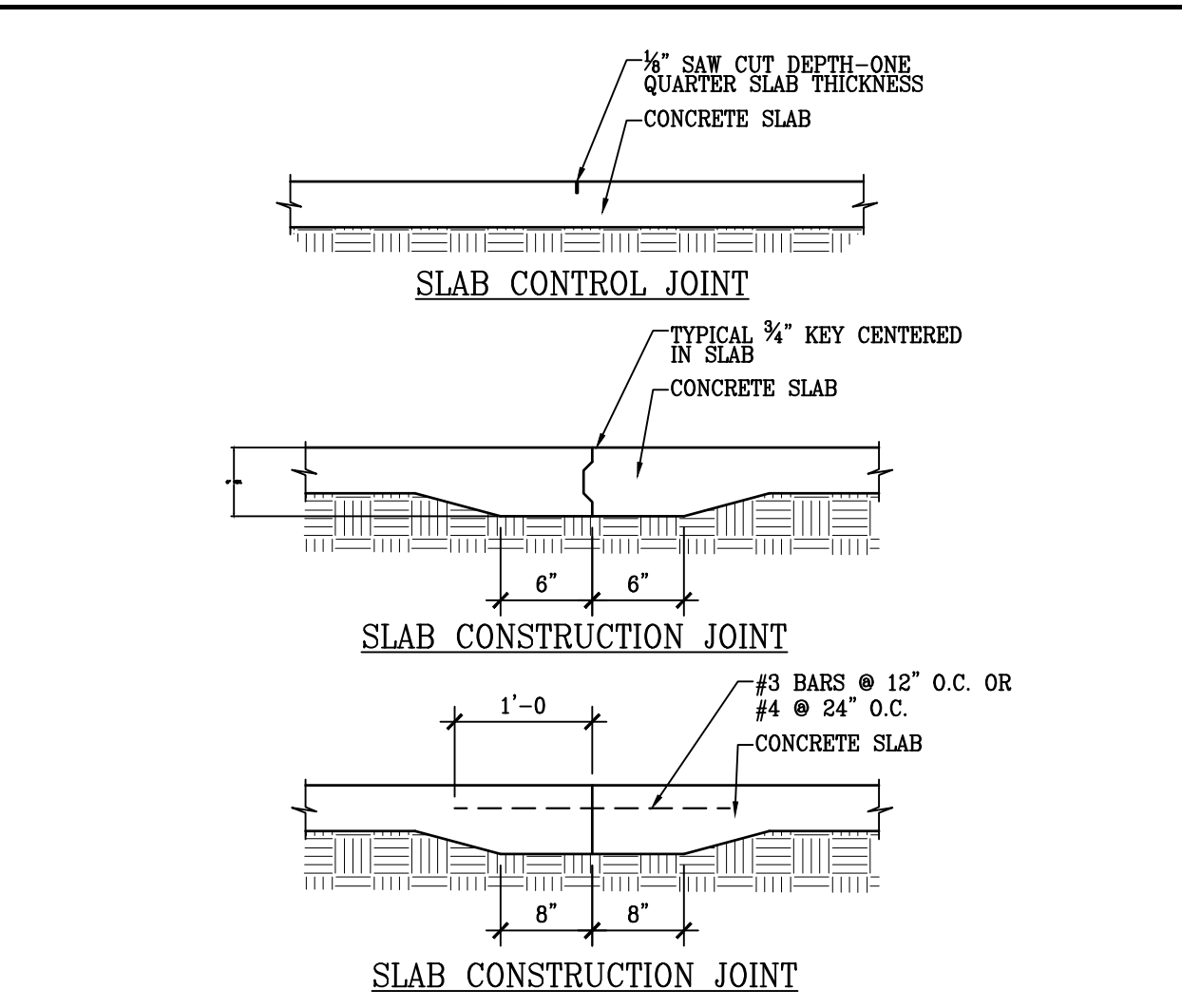
FOOTINGS AND FOUNDATIONS,  
 EXCAVATIONS GRADING AND FILL SHALL  
 COMPLY WITH THE PROVISIONS OF THE  
 GEOTECHNICAL REPORT

**FOOTING & FOUNDATION PLAN**  
 SCALE: 3/16" = 1'-0"

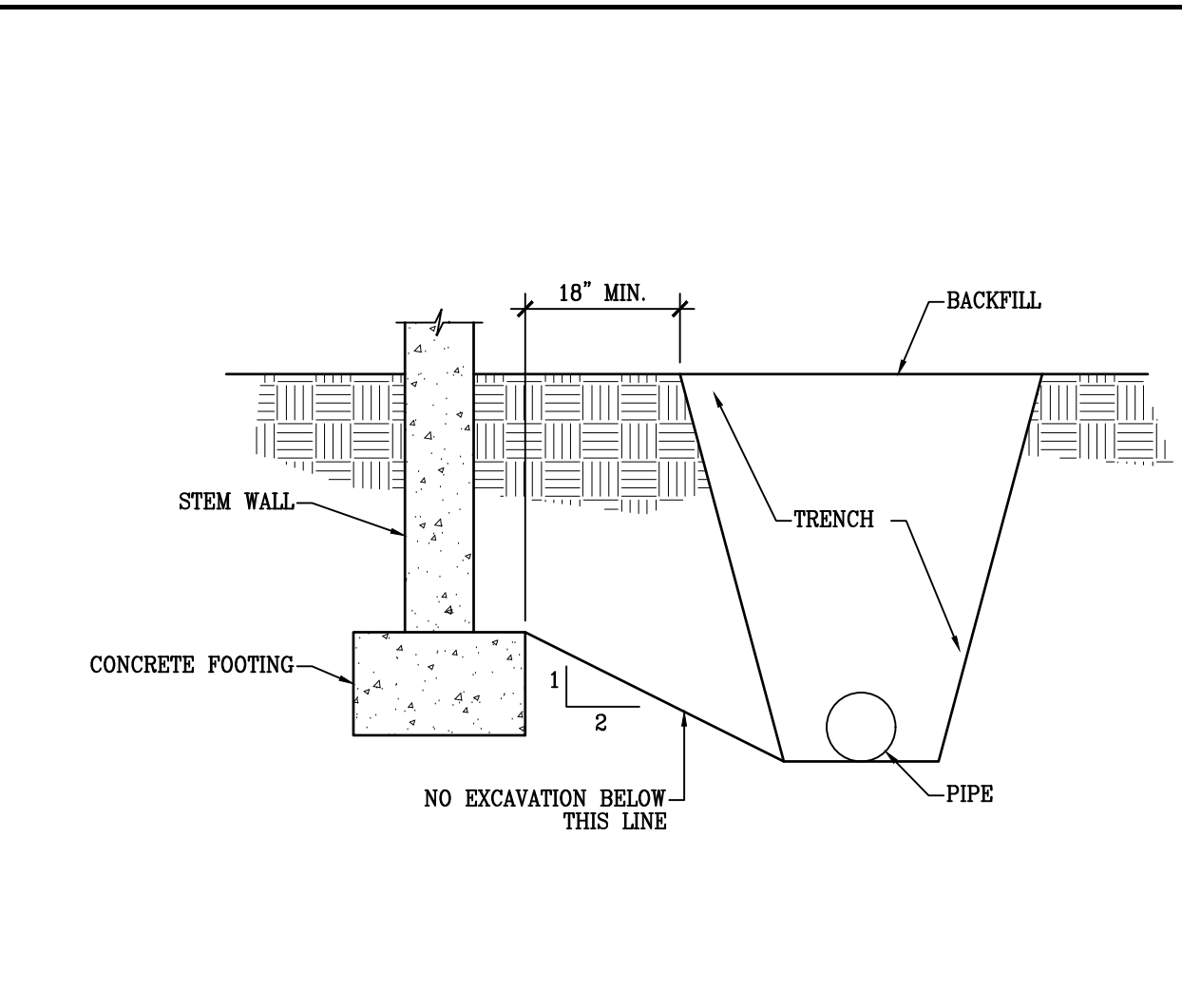
<b>REVISIONS</b> 1 Date Description	<b>LEI</b> A Utah Corporation <b>ENGINEERS</b> <b>SURVEYORS</b> <b>PLANNERS</b> 3302 N. Main Street Spanish Fork, UT 84660 Phone: 801.798.0555 Fax: 801.798.9399 office@lei-eng.com www.lei-eng.com
<b>HARRIS ARCHITECTURE</b> 3520 N UNIVERSITY AVENUE #200, PROVO UT 84604   801-377-6300   WWW.HARRISARCHITECTURE.COM	
<b>BLOSSOM RESTAURANT</b> FOOTING & FOUNDATION	
01/16/2020 <b>S1.0</b>	



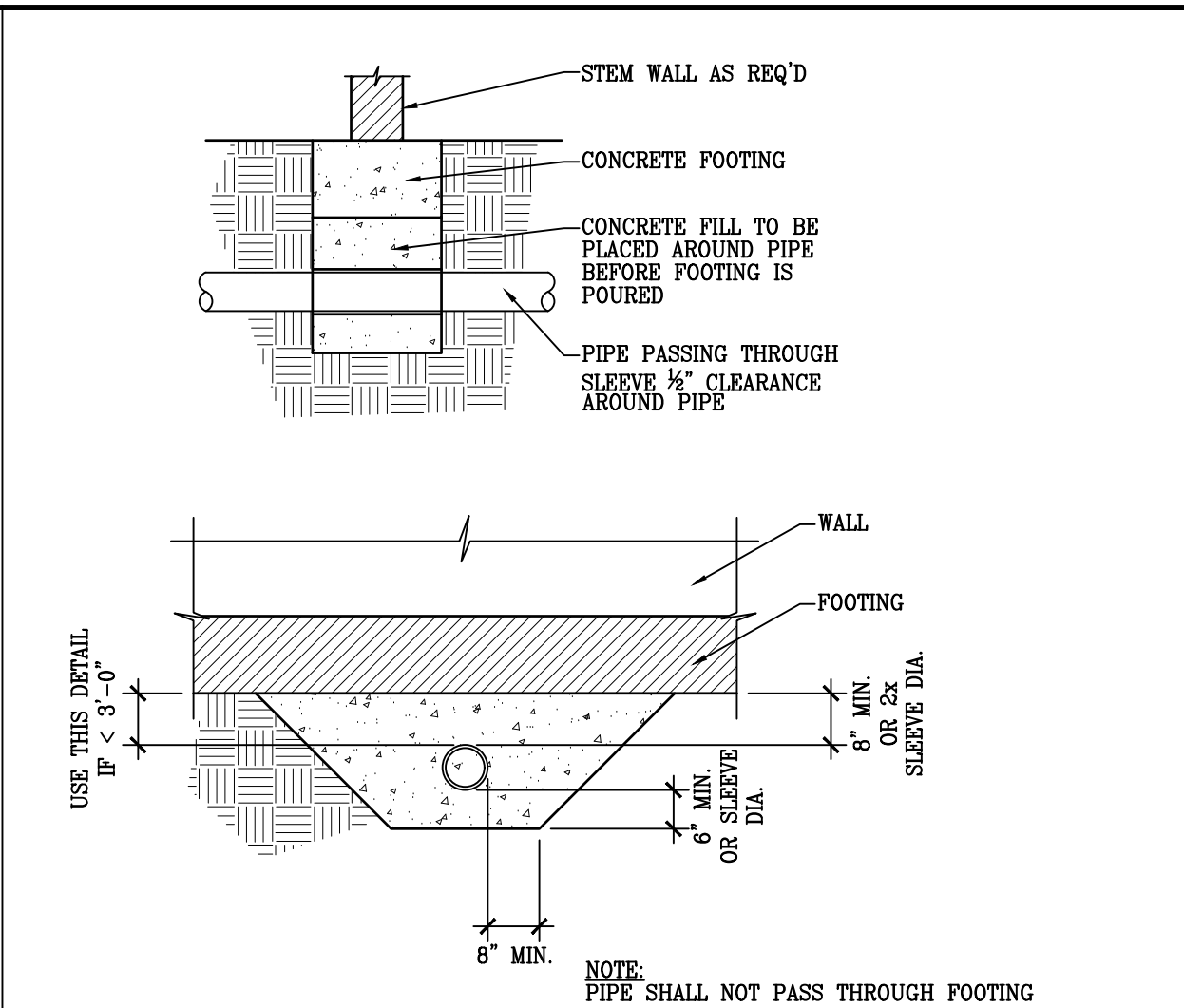
1 CONC. FOOTING CORNER & INTERSECTION REINF.



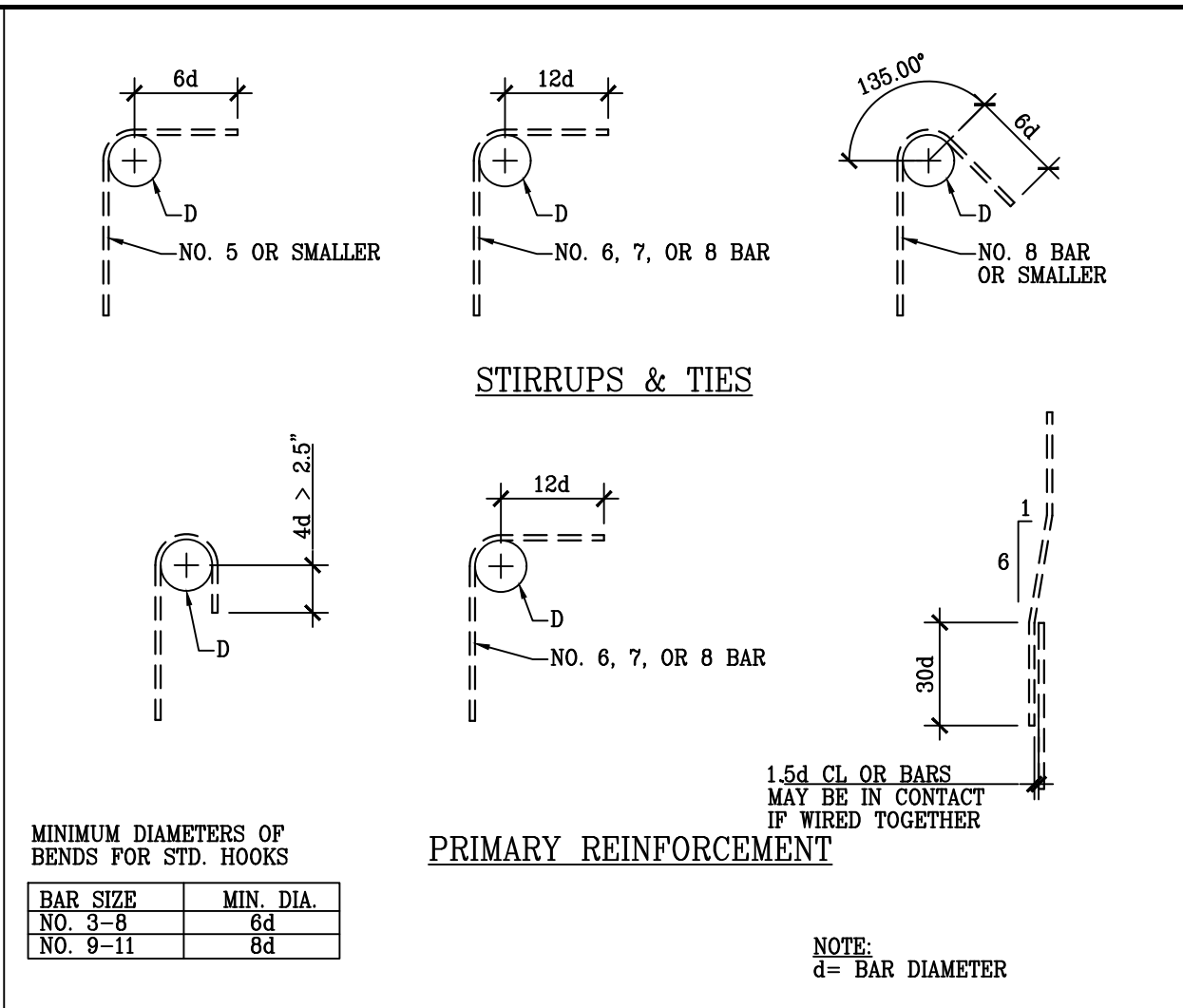
2 CONCRETE SLAB CONTROL JOINTS TYPICAL



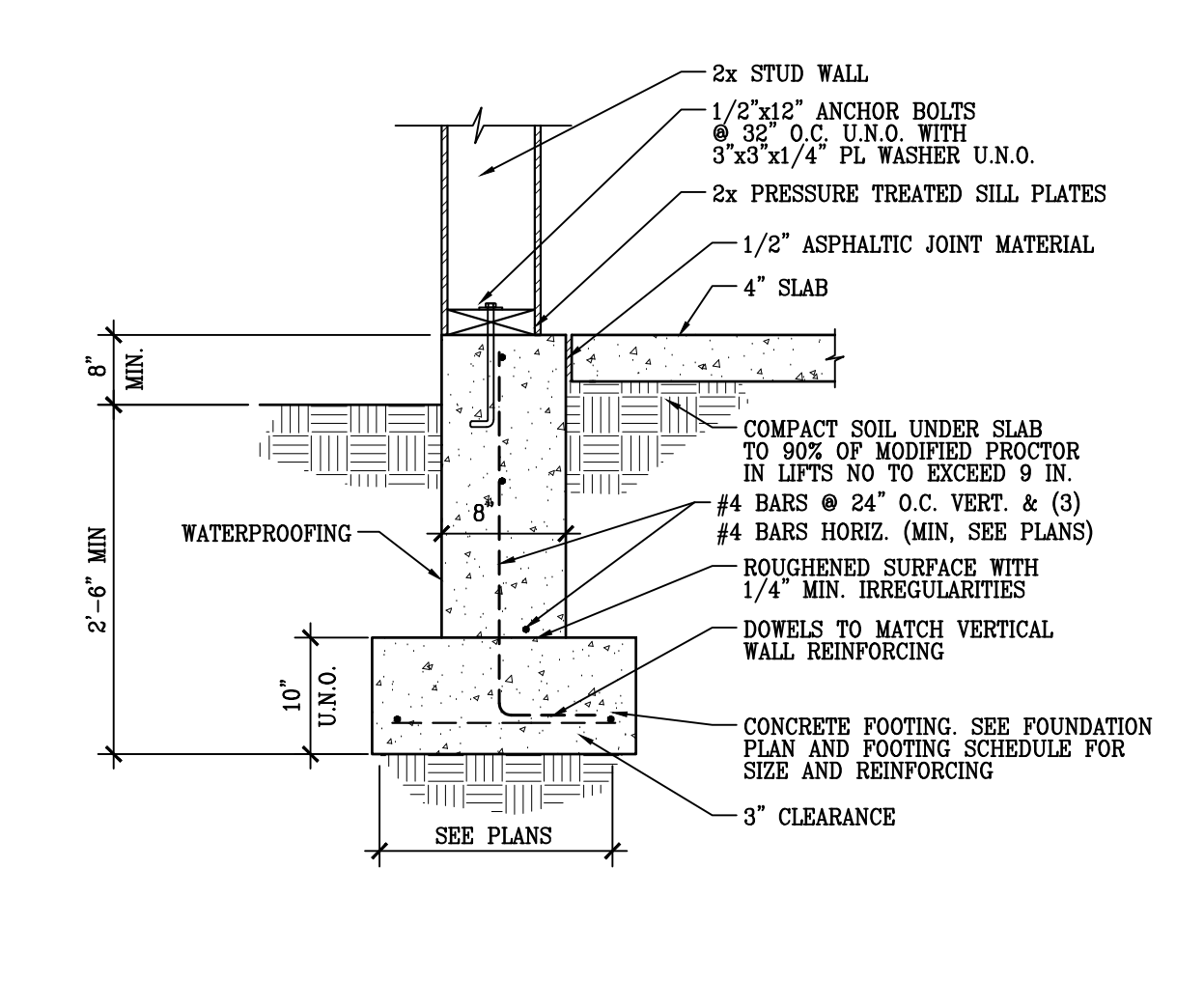
3 TRENCH ADJACENT TO CONCRETE FOOTING



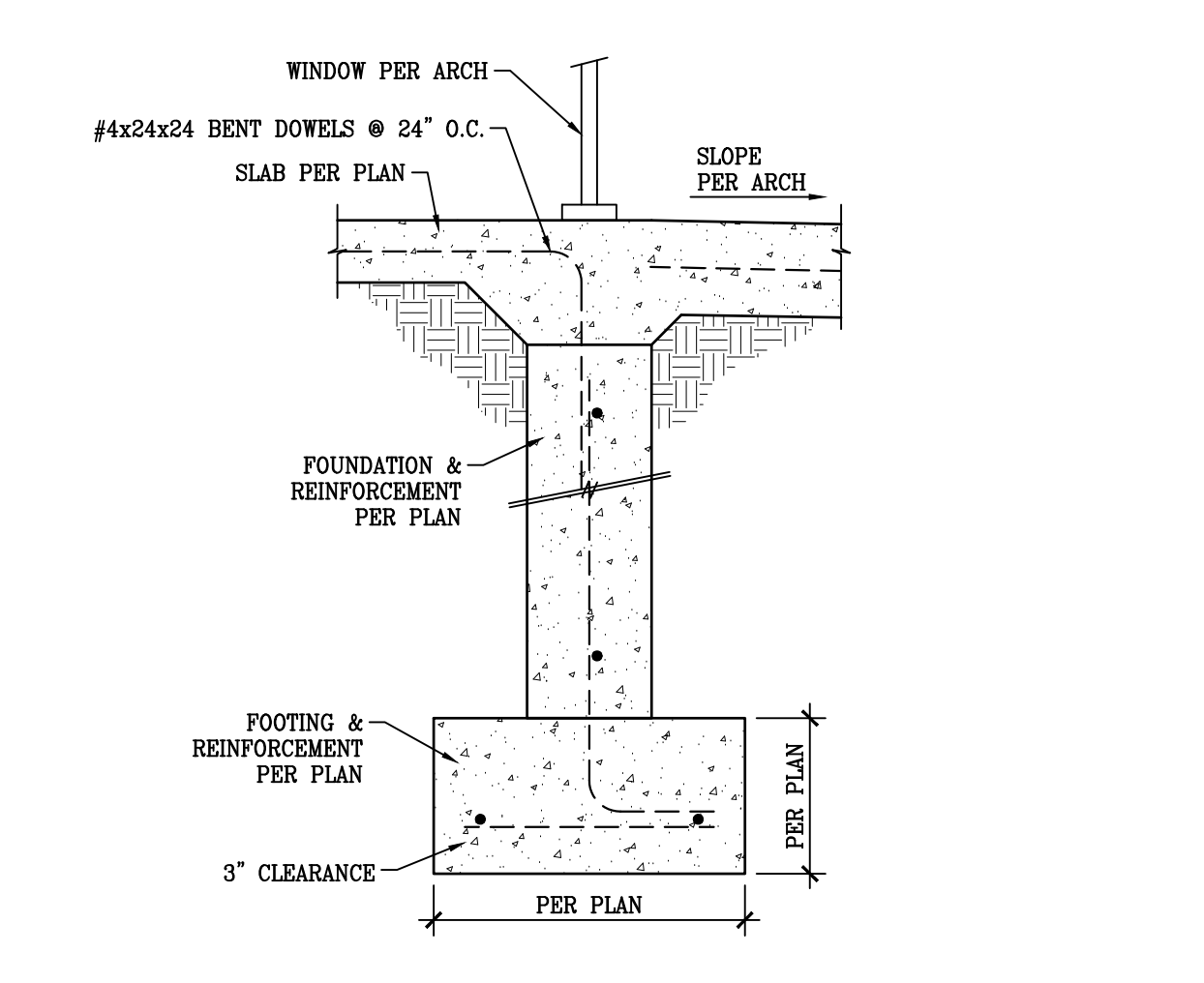
4 PIPE PASSING UNDER CONT. CONC. FOOTING TYP.



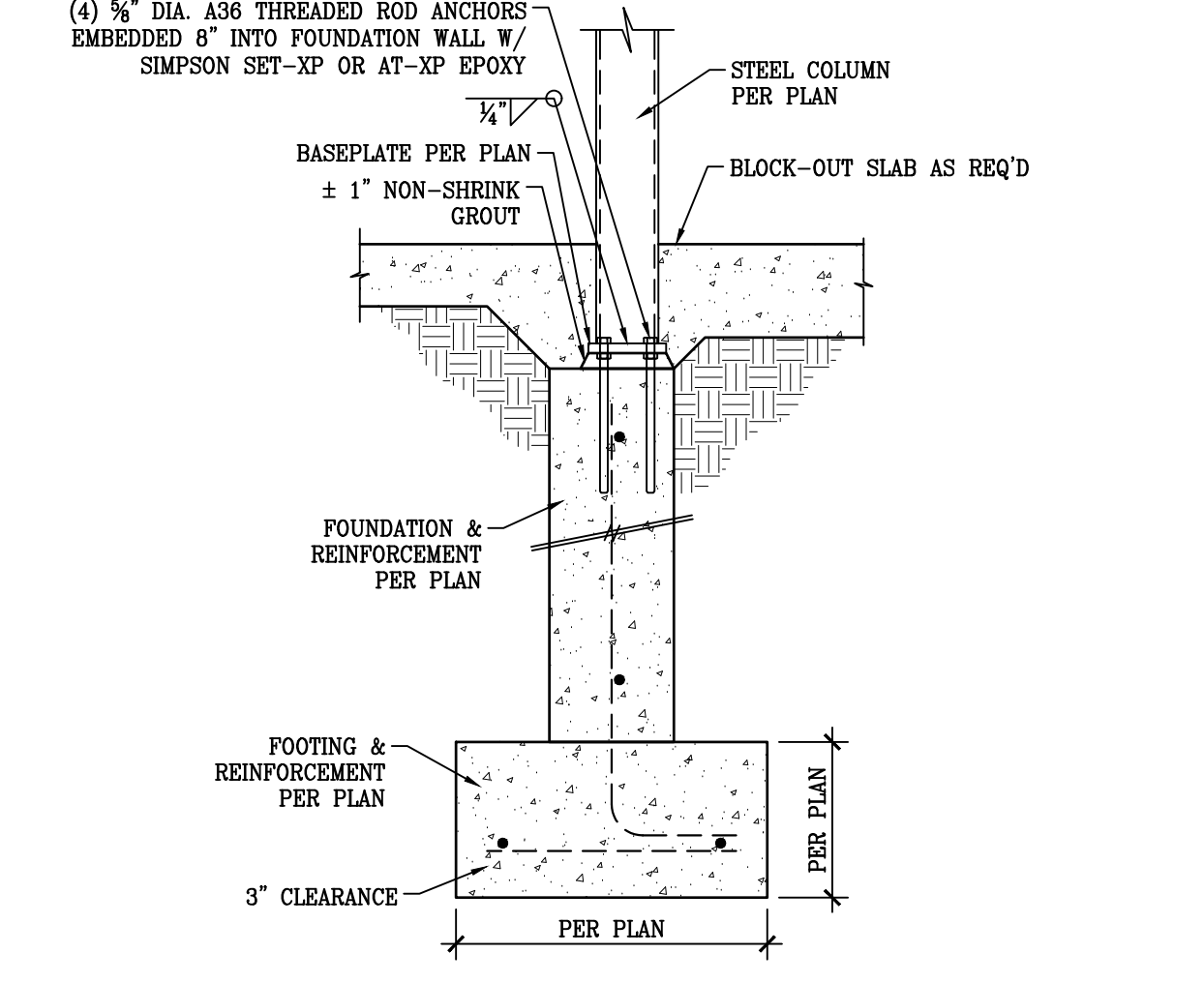
5 STANDARD BAR BENDING DETAIL



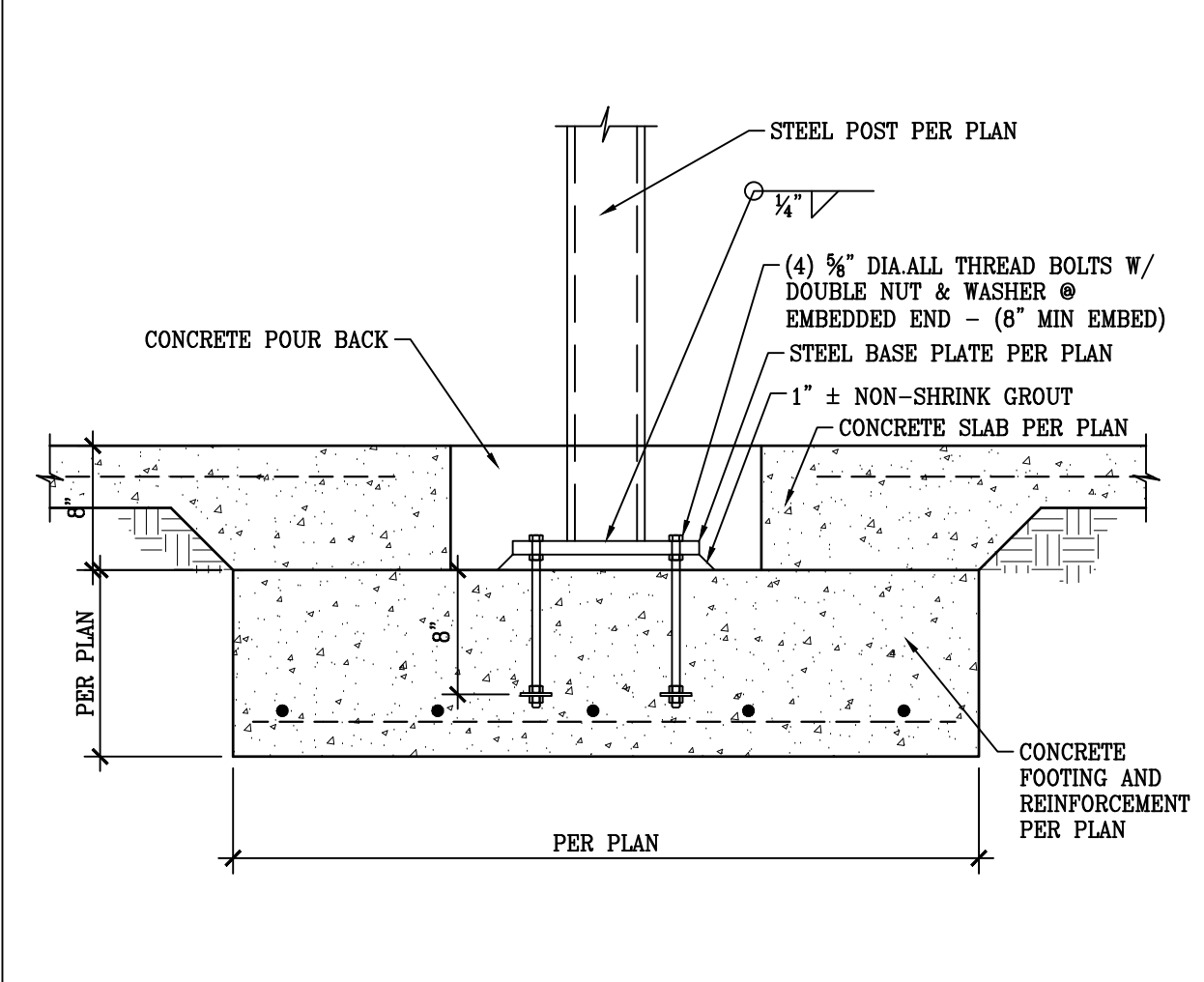
6 TYPICAL 3' FOUNDATION DETAIL



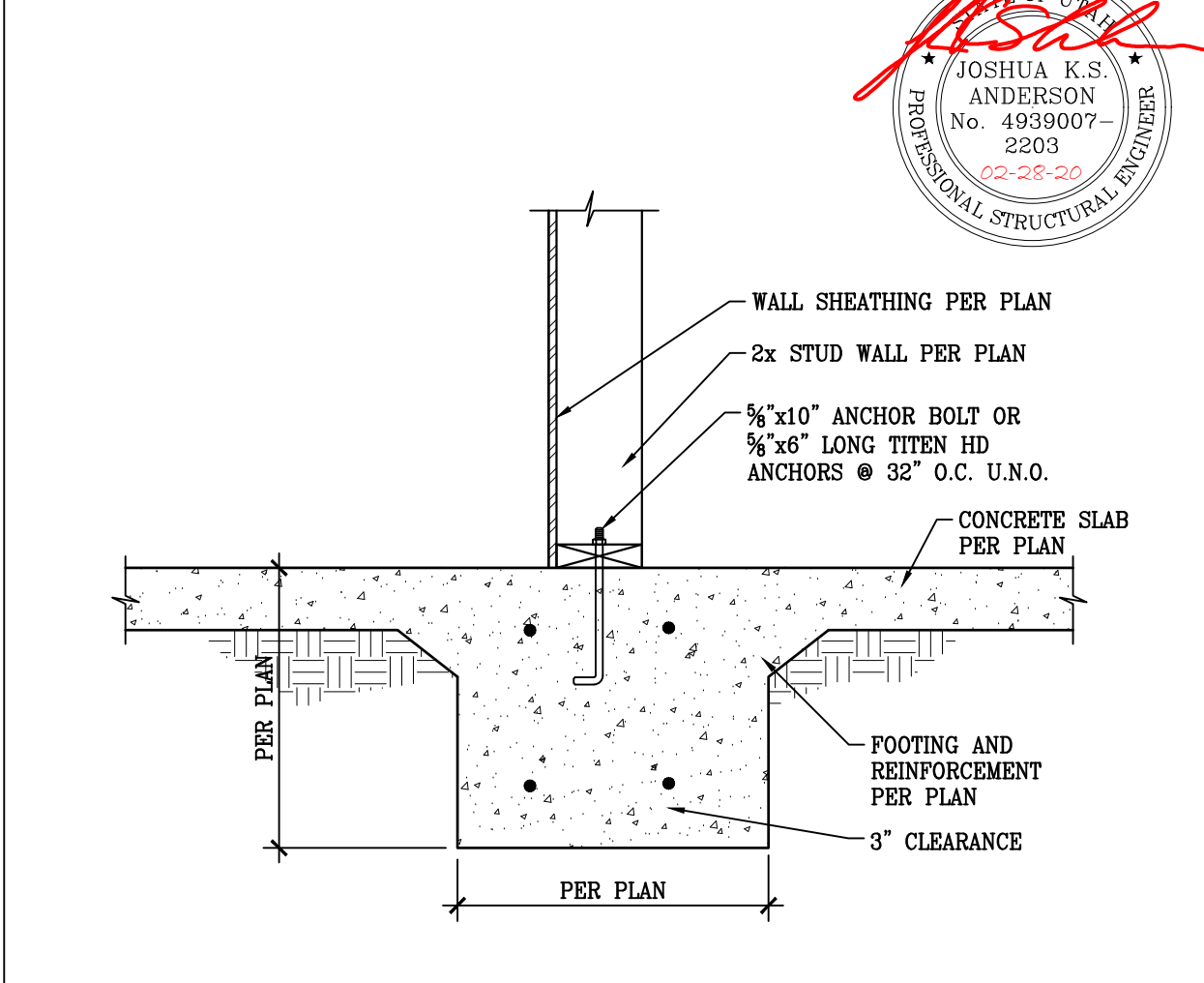
7 FOUNDATION WALL AT STORE FRONT GLASS



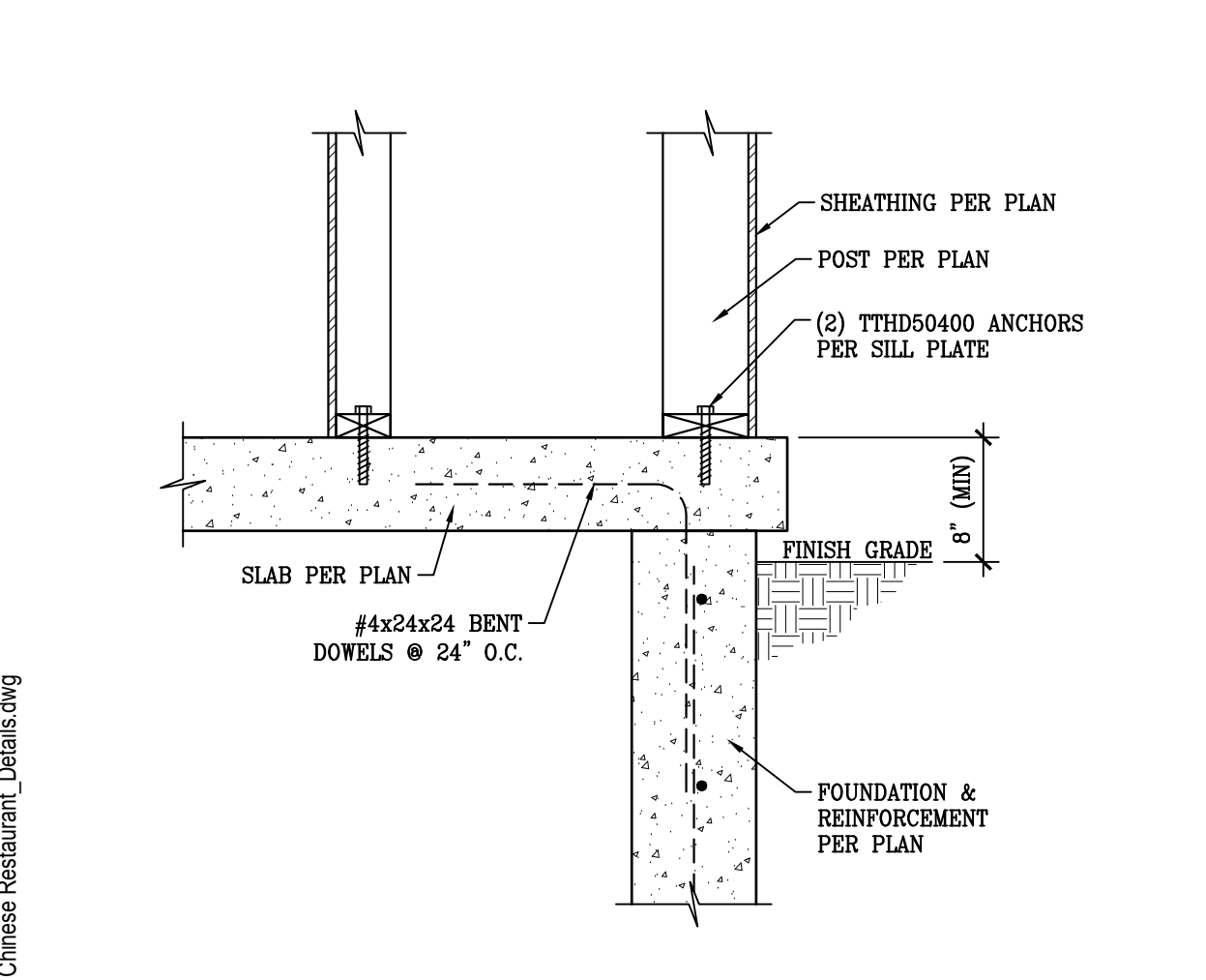
8 STEEL COLUMN TO FOUNDATION WALL



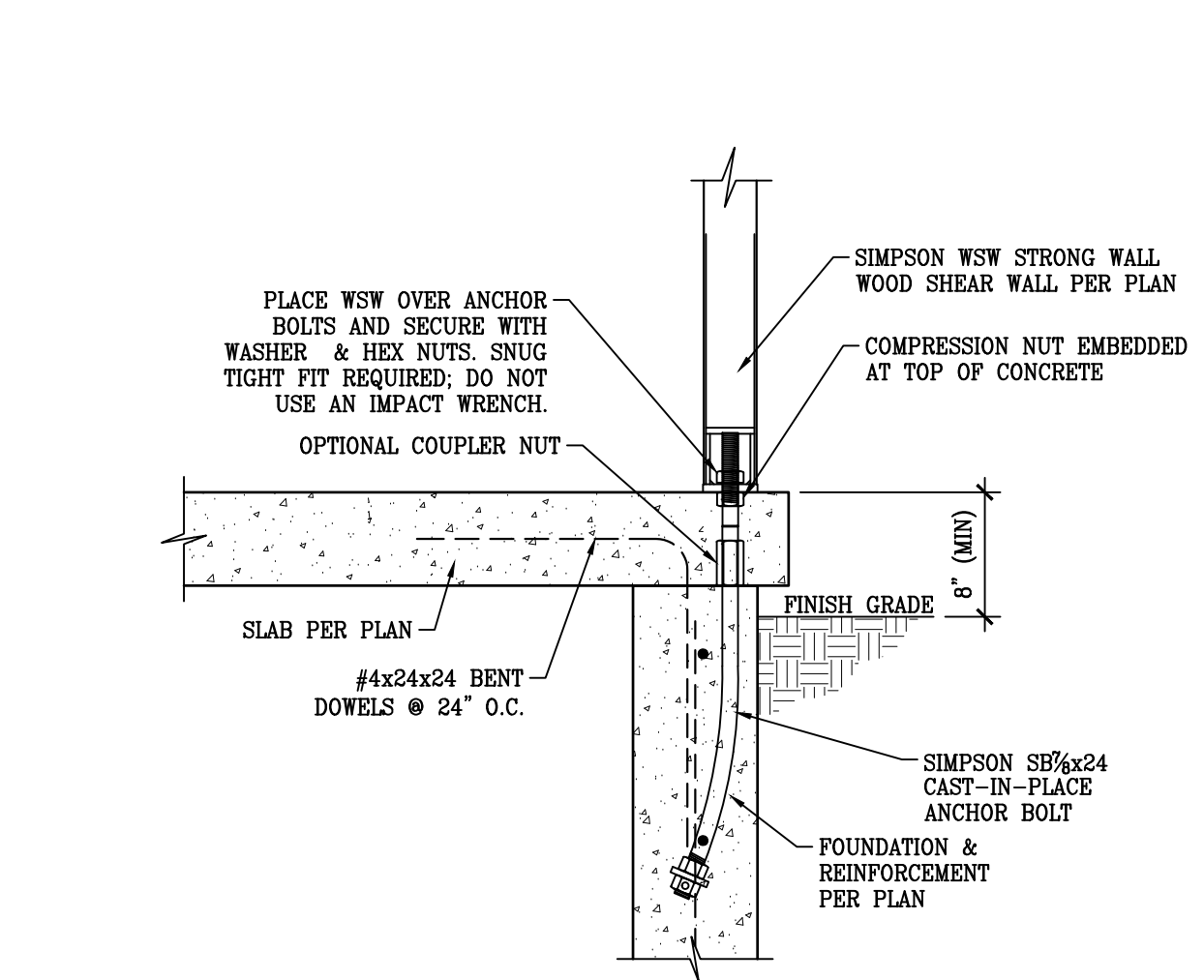
9 STEEL COLUMN AT INTERIOR FOOTING



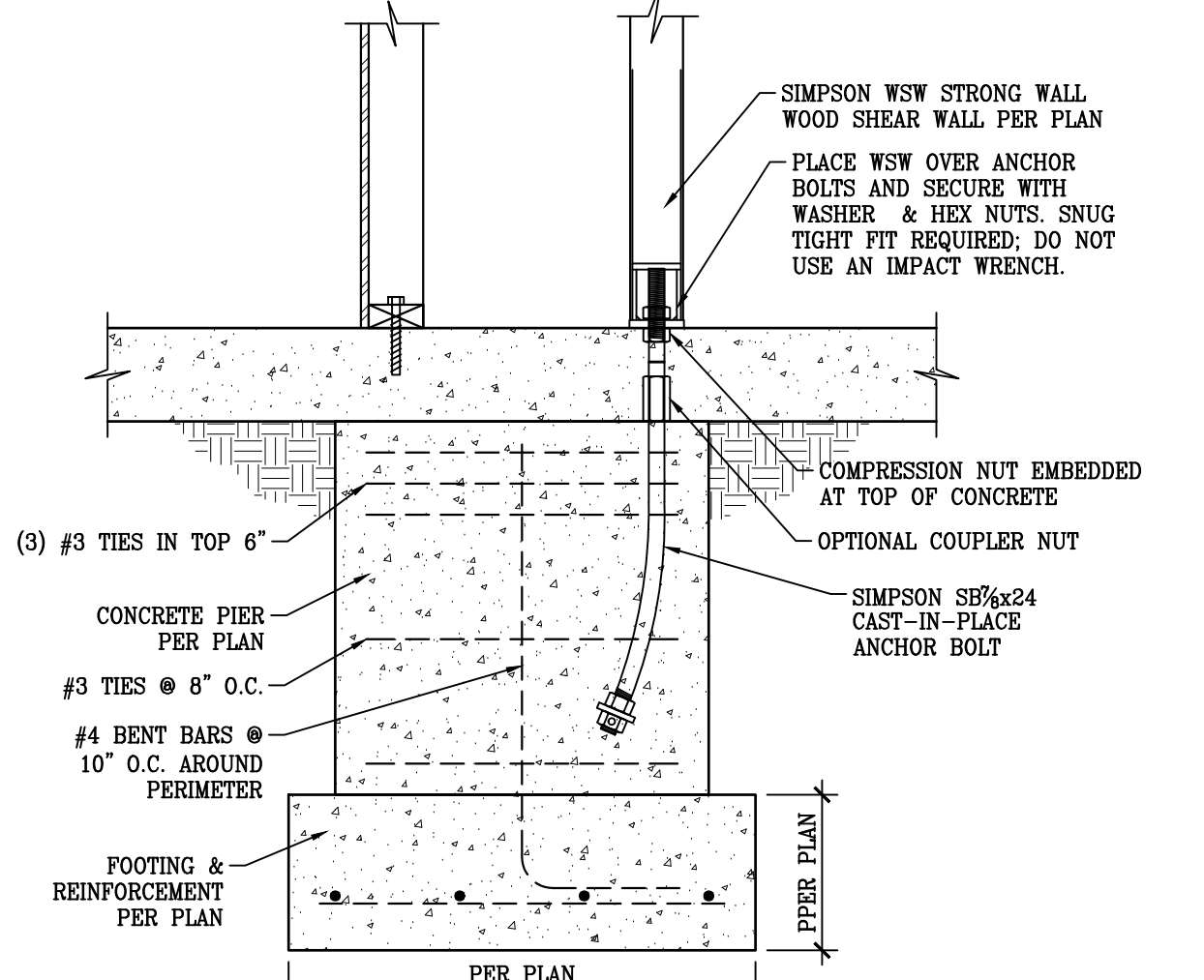
10 TYPICAL INTERIOR FOOTING



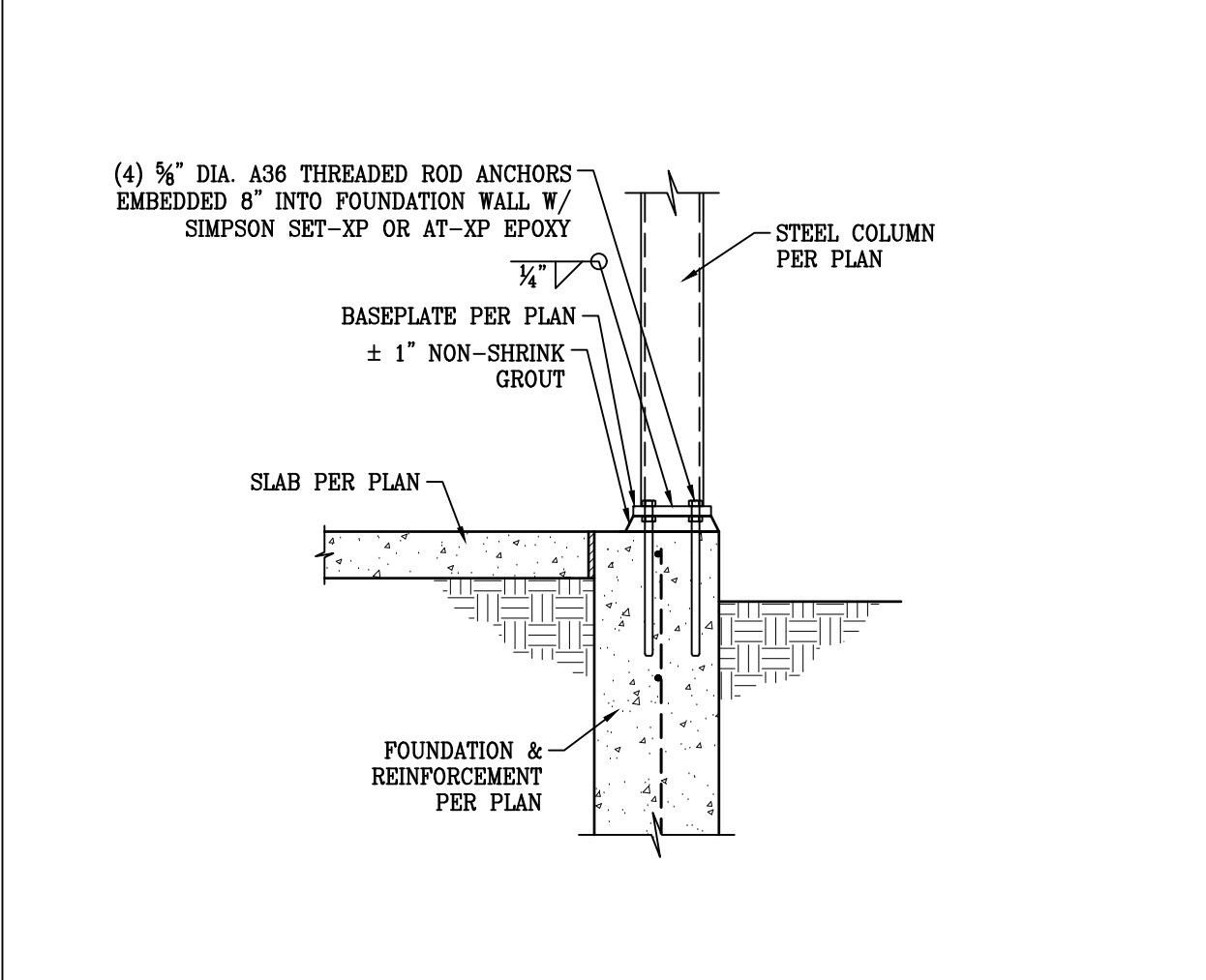
11 BUILT OUT COLUMN TO PATIO SLAB



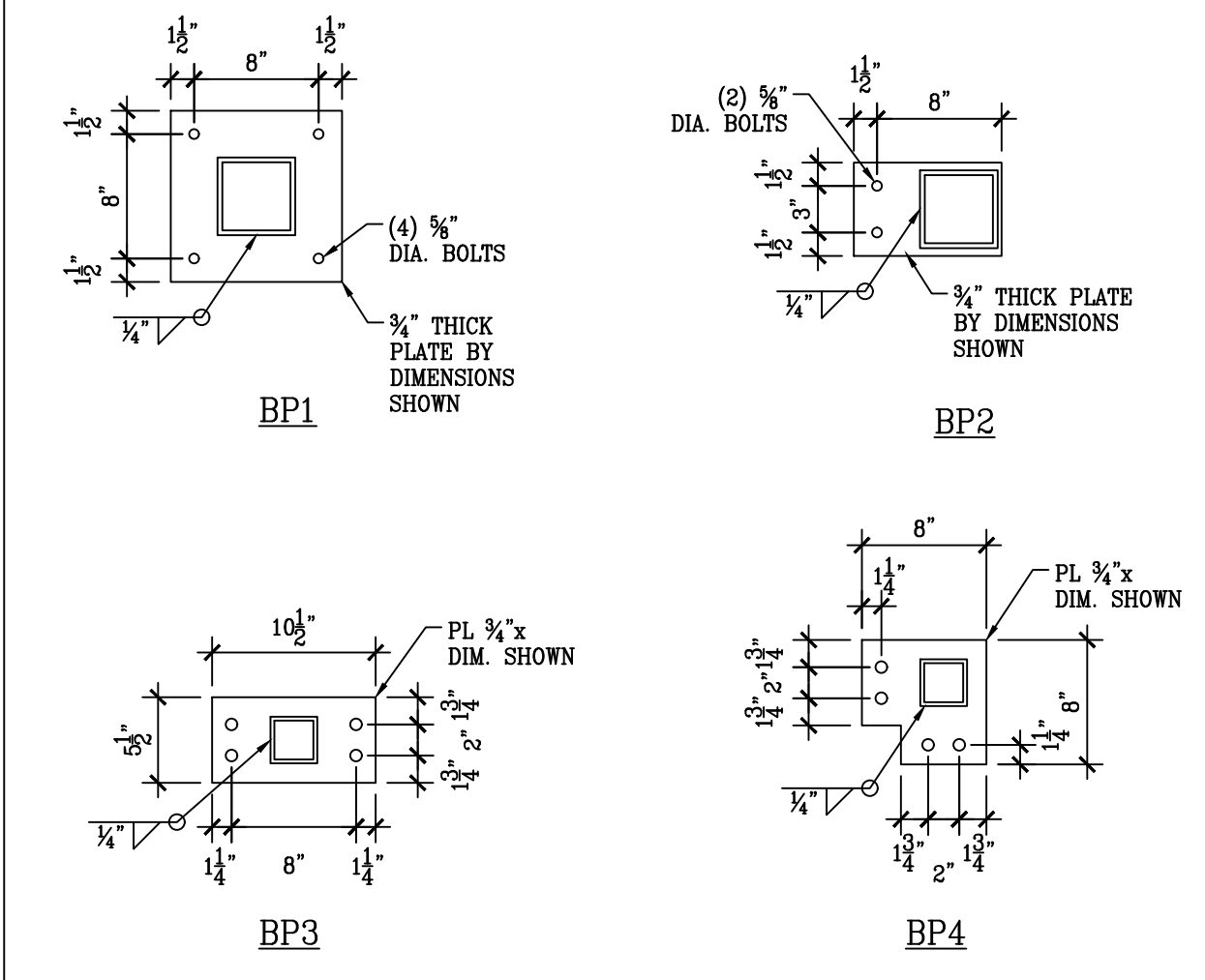
12 STRONG WALL TO FOUNDATION WALL



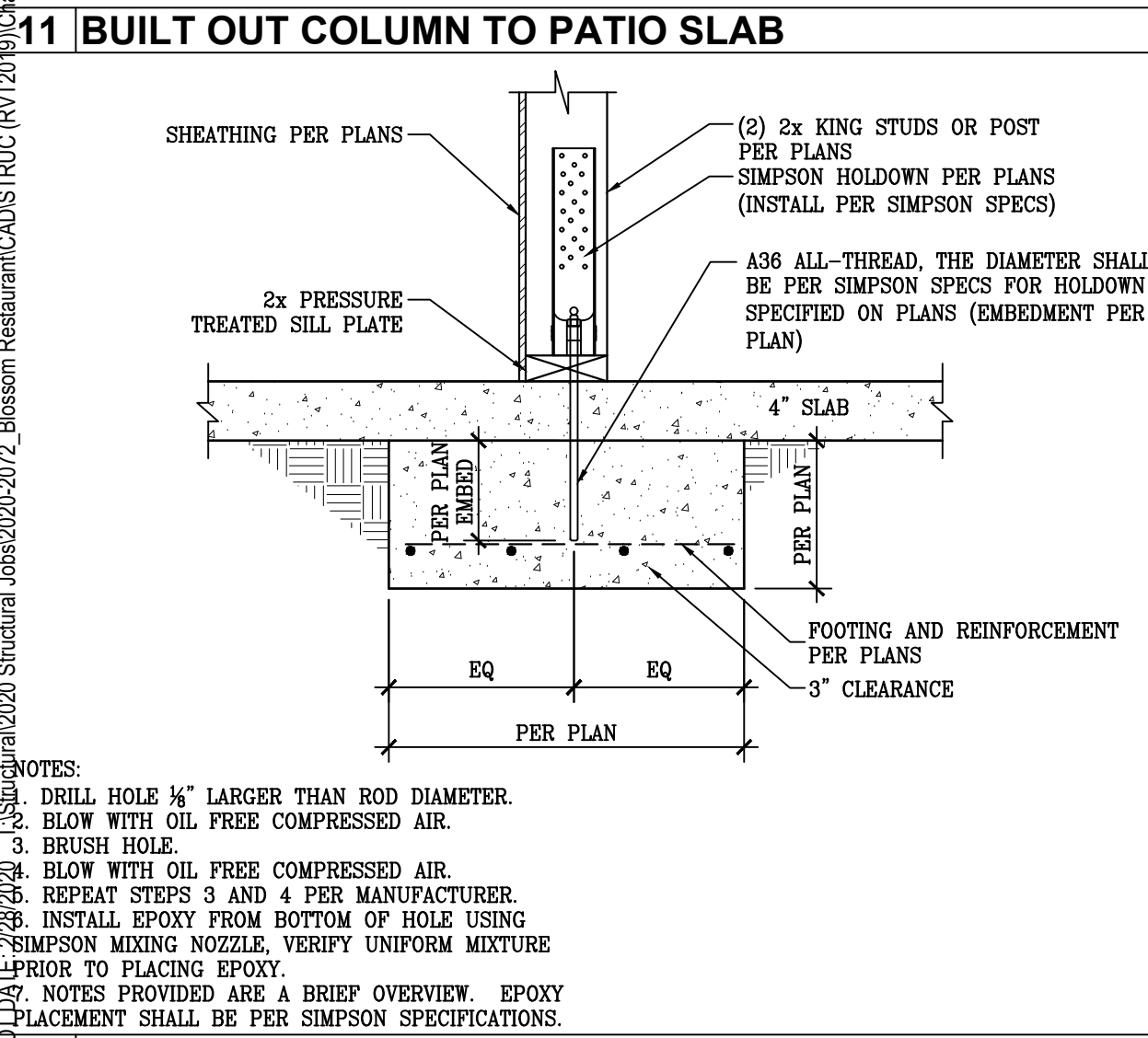
13 STRONG WALL TO PIER BELOW PATIO SLAB



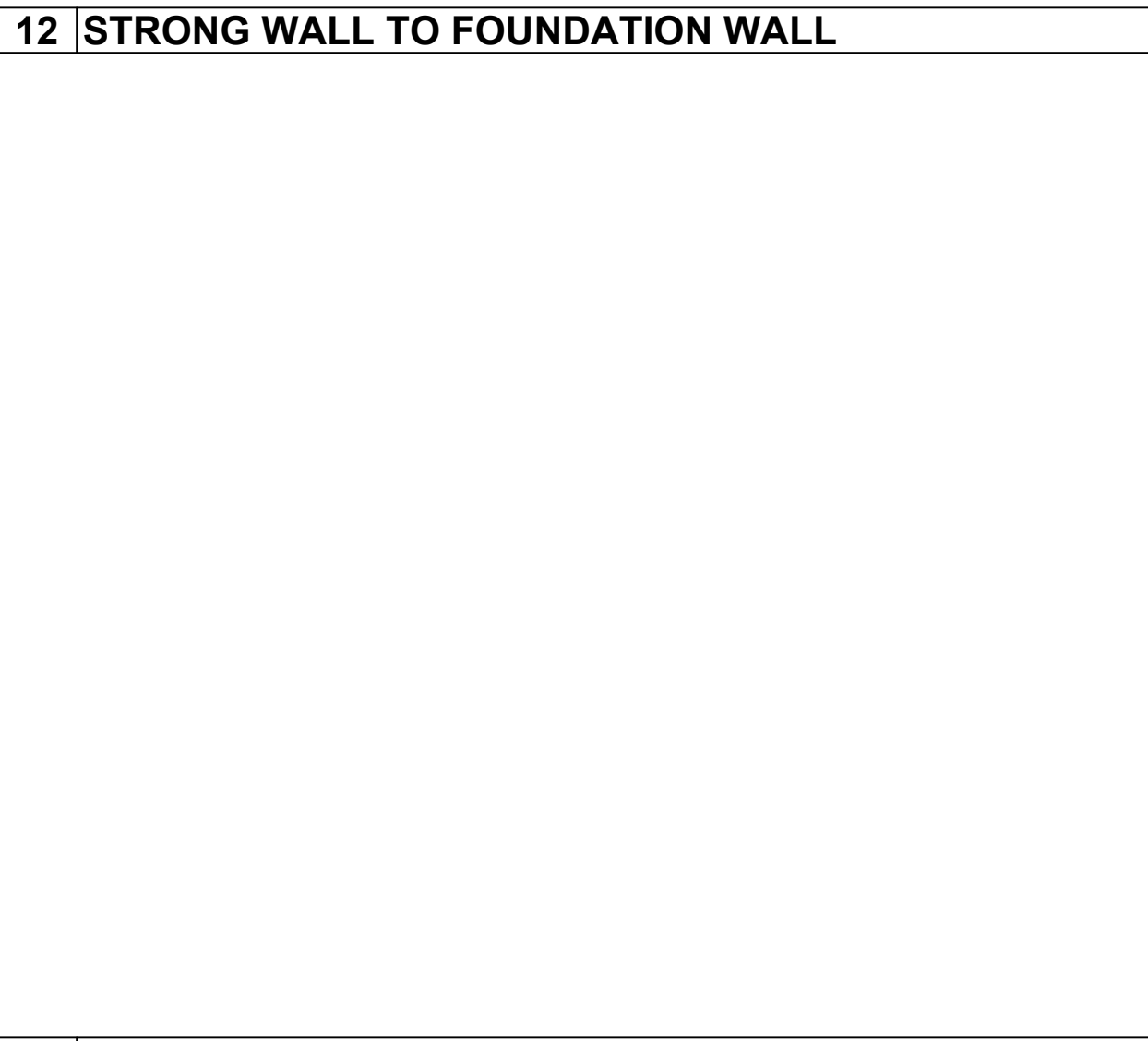
14 STEEL COLUMN TO FOUNDATION WALL



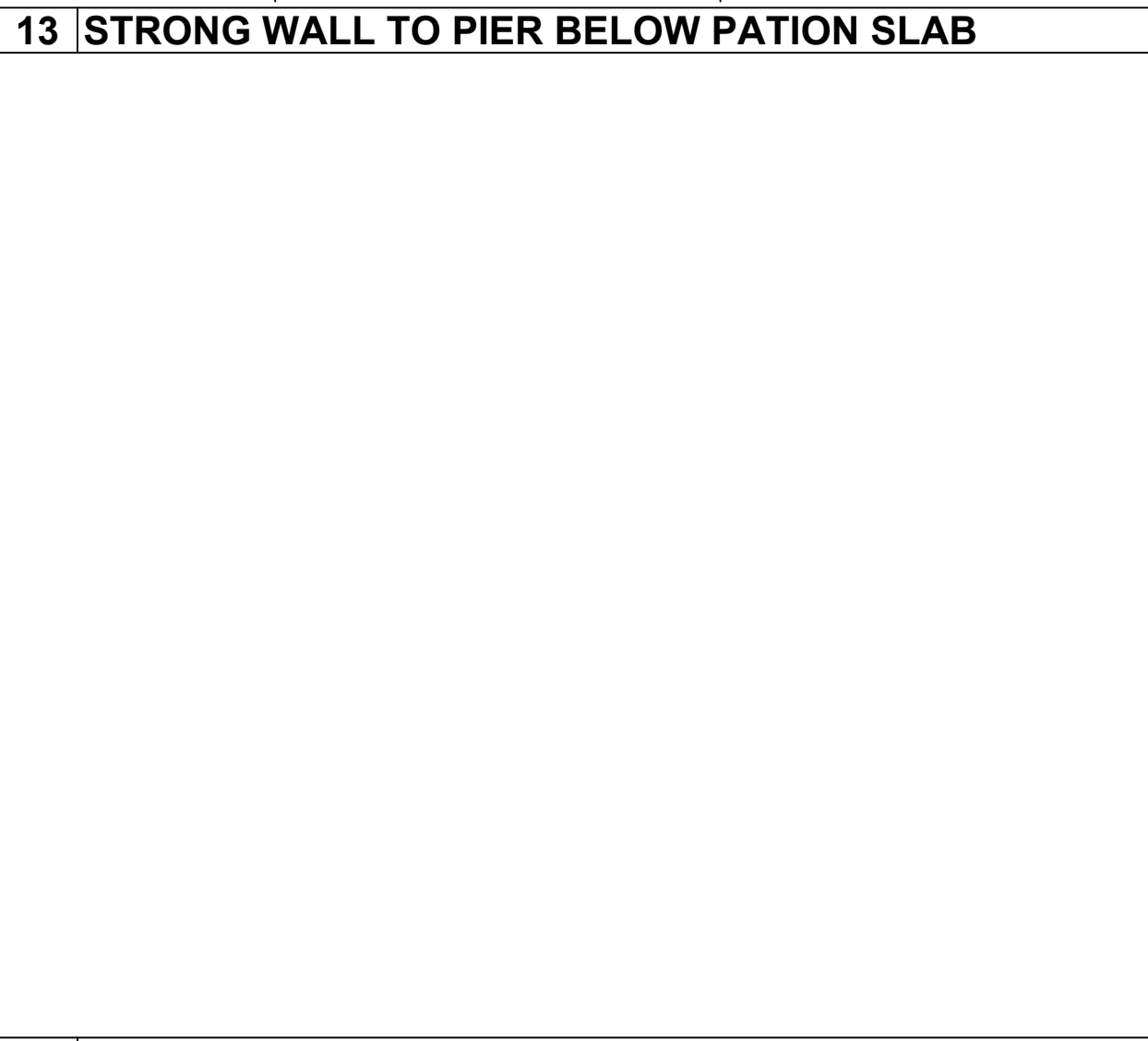
15 BASE PLATES



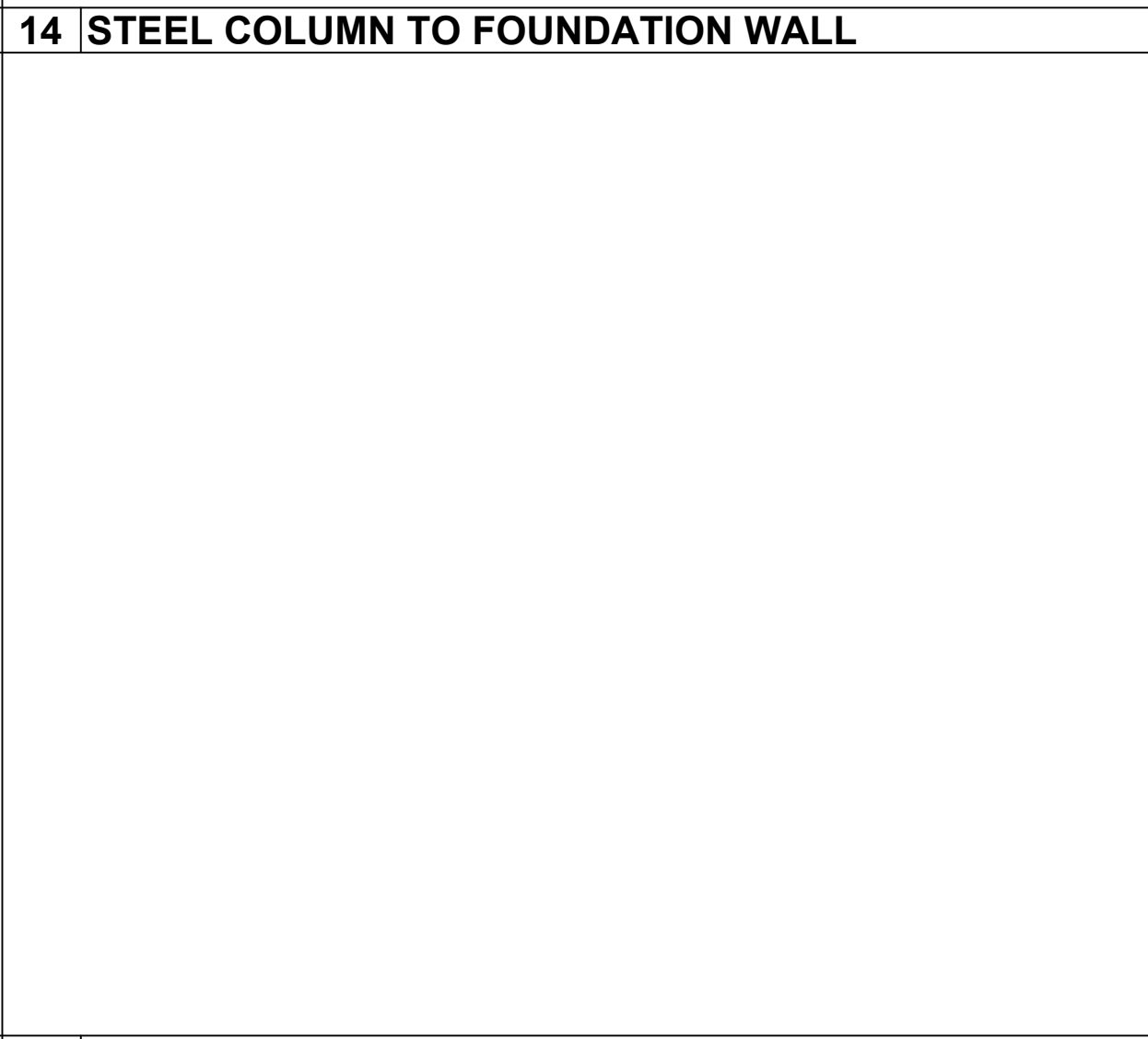
16 RETROFIT HOLDOWN AT INTERIOR FOOTING



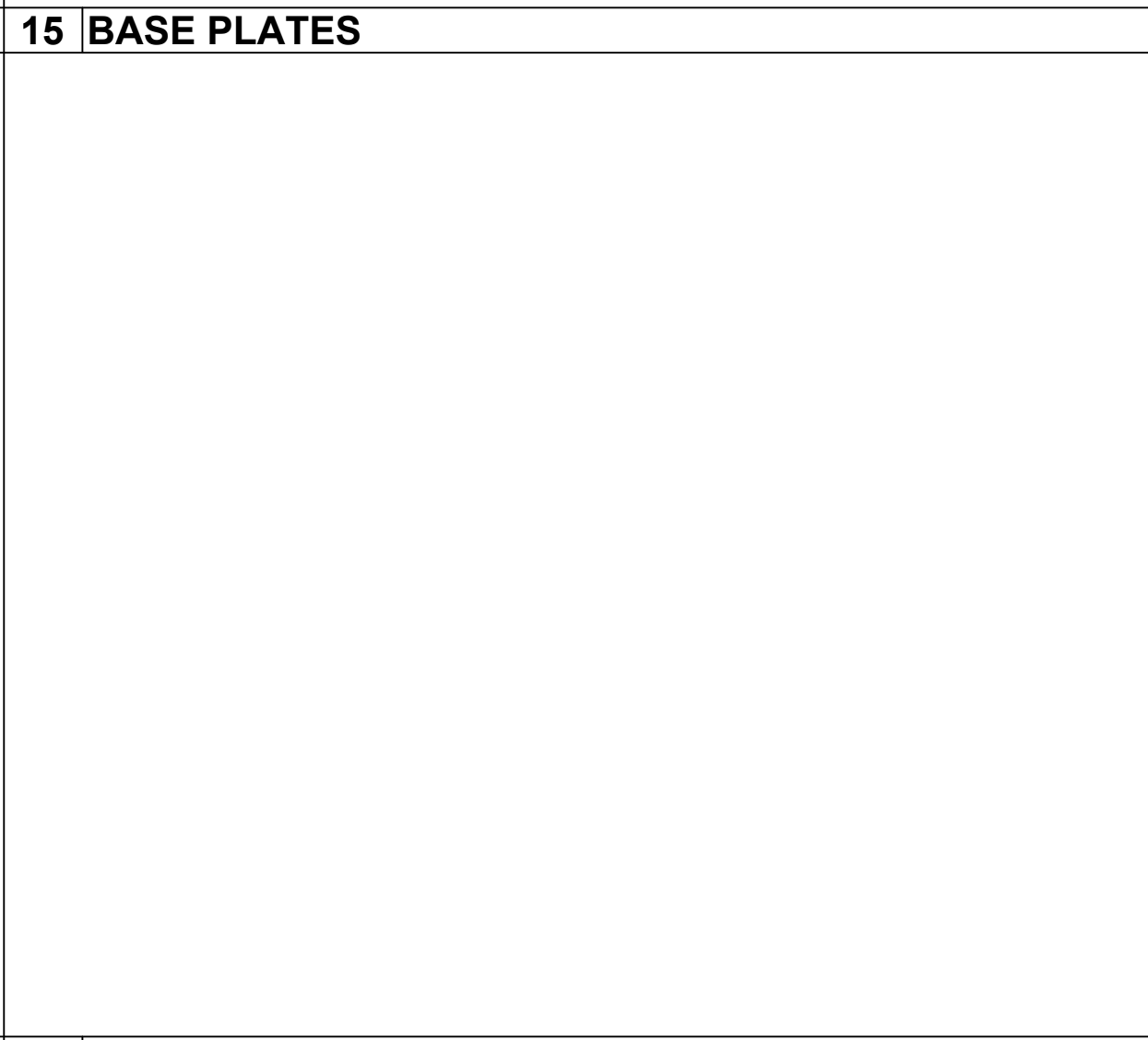
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18



19



20

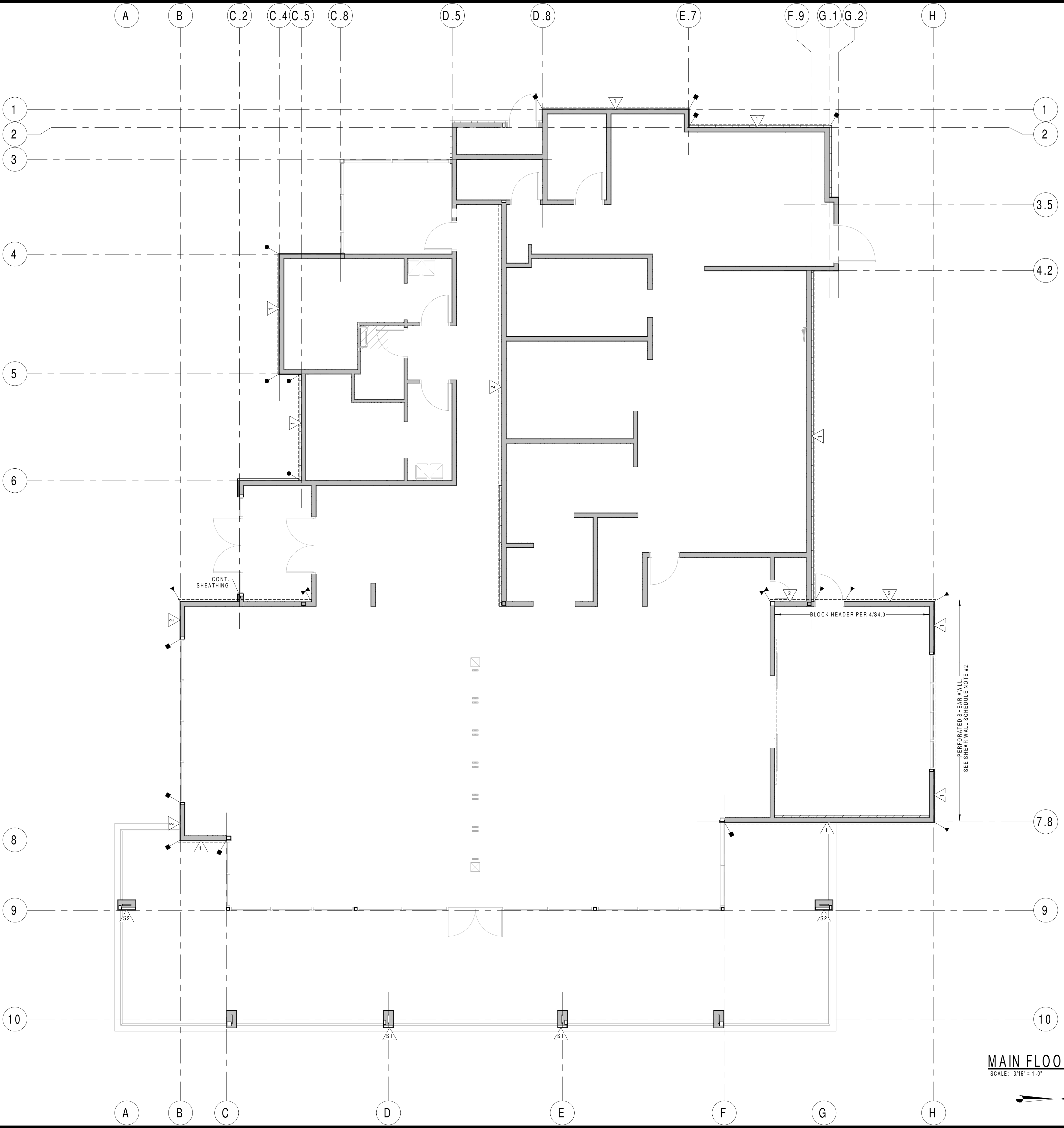
NOTES:  
 1. DRILL HOLE 1/8" LARGER THAN ROD DIAMETER.  
 2. BLOW WITH OIL FREE COMPRESSED AIR.  
 3. BRUSH HOLE.  
 4. BLOW WITH OIL FREE COMPRESSED AIR.  
 5. REPEAT STEPS 3 AND 4 PER MANUFACTURER.  
 6. INSTALL EPOXY FROM BOTTOM OF HOLE USING SIMPSON MIXING NOZZLE. VERIFY UNIFORM MIXTURE PRIOR TO PLACING EPOXY.  
 7. NOTES PROVIDED ARE A BRIEF OVERVIEW. EPOXY PLACEMENT SHALL BE PER SIMPSON SPECIFICATIONS.

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BLOSSOM RESTAURANT  
 STRUCTURAL DETAILS  
 Date  
 01/16/2020  
 S1.1

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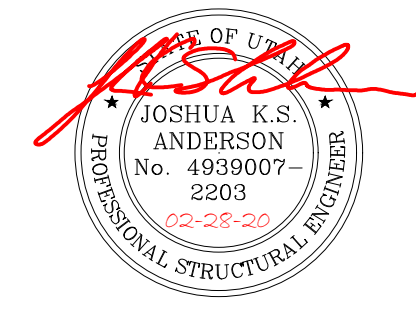


**MAIN FLOOR SHEAR PLAN**  
SCALE: 3/16" = 1'-0"

SHEAR WALL SCHEDULE								
DESIG.	MATERIAL	#3 WALLS		#11/12 EDGE STAPLES		CAPACITY		
		EDGE	FIELD	EDGE	FIELD	WIND	SEISMIC	NOTE
1	7/16" OSB OR CDX PLYWOOD	6"	12"	3 1/2"	12"	360	260	2.5
2	7/16" OSB OR CDX PLYWOOD	4"	12"	2"	12"	530	350	2.5
3	7/16" OSB OR CDX PLYWOOD	3"	12"	-	-	685	490	2.5
4	7/16" OSB OR CDX PLYWOOD	2"	12"	-	-	895	640	2.5
S1	WSW12x12 SIMPSON WOOD STRONG WALL. SEE DETAILS 13/S4.0, 15/S4.0, 30/S4.1, 12/S1.1, & 13/S1.1							
S2	WSW18x12 SIMPSON WOOD STRONG WALL. SEE DETAILS 13/S4.0, 15/S4.0, 30/S4.1, 12/S1.1, & 13/S1.1							

NOTES:  
 1 WALL STUDS ARE TO BE SPACED AT 16" O.C. U.N.D.  
 2 SHEATH ABOVE AND BELOW OPENINGS IN PERFORATED SHEAR WALLS AS PER THE ADJACENT SHEAR WALL DESIGNATION ON EACH SIDE OF THE OPENING.  
 3 SEE DETAIL 15/S4.0 AT EACH END OF SHEAR PANELS (SHEAR WALL CHORDS) U.N.D.  
 4 ALL PANEL EDGES SHALL BE BLOCKED WITH 2 INCH NOMINAL OR UNDER FRAMING WITH EDGE NAILING AT ALL SUPPORTS AND PANEL EDGES U.N.D.  
 5 WHERE PANELS ARE APPLIED ON BOTH SIDES OF A WALL AND NAIL SPACING IS LESS THAN 6" O.C. ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS.  
 6 FRAMING AT ADJOINING PANEL EDGES AND SILL PLATES SHALL BE 3/4" OR WIDER FOR EDGE NAILING 1" O.C. OR LESS. NAILS AT ADJOINING PANEL EDGES AND INTO SILL PLATES SHALL BE STAGGERED. JOCKEY OR FRAMING STUDS NAILED WITH 6 PAGESIDE 16D NAILS WITH SPACING EQUAL TO THE SHEAR WALL EDGE NAILING IS AN ADEQUATE SUBSTITUTE FOR 3/4" FRAMING.  
 7

HOLDOWN SCHEDULE	
SYMBOL	HOLDOWN STRAP
●	LSTHD08RJ HOLDOWN SEE DETAIL 15/S4.0
■	STHD1010RJ HOLDOWN SEE DETAIL 15/S4.0
▲	STHD1414RJ HOLDOWN SEE DETAIL 15/S4.0
▼	HDU4-SDS2.5 RETROFIT HOLDOWN W/5/8" DIA. A36 THREADED ROD ANCHOR EMBEDDED 8" INTO FOOTING W/ SIMPSON SET-AP OR AT-AP EPOXY SEE DETAIL 16/S1.1



**REVISIONS**  
 1 / Date / Description

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**DRAWN BY**  
 Author

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**BLOSSOM RESTAURANT**  
 MAIN FLOOR SHEAR PLAN

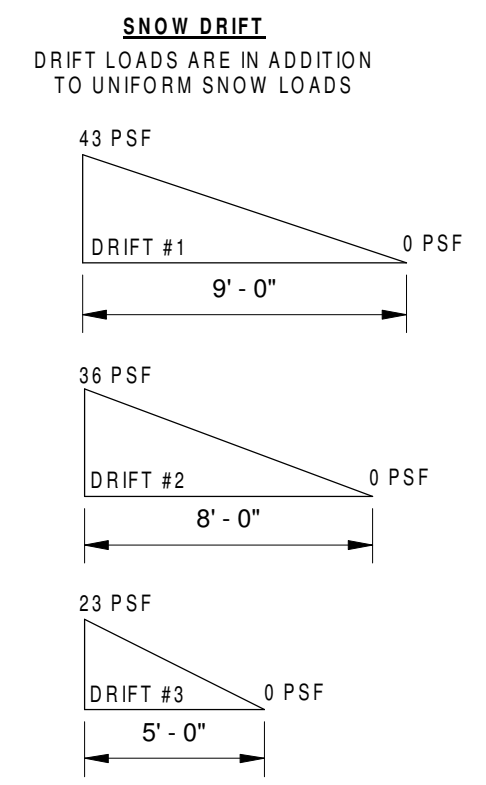
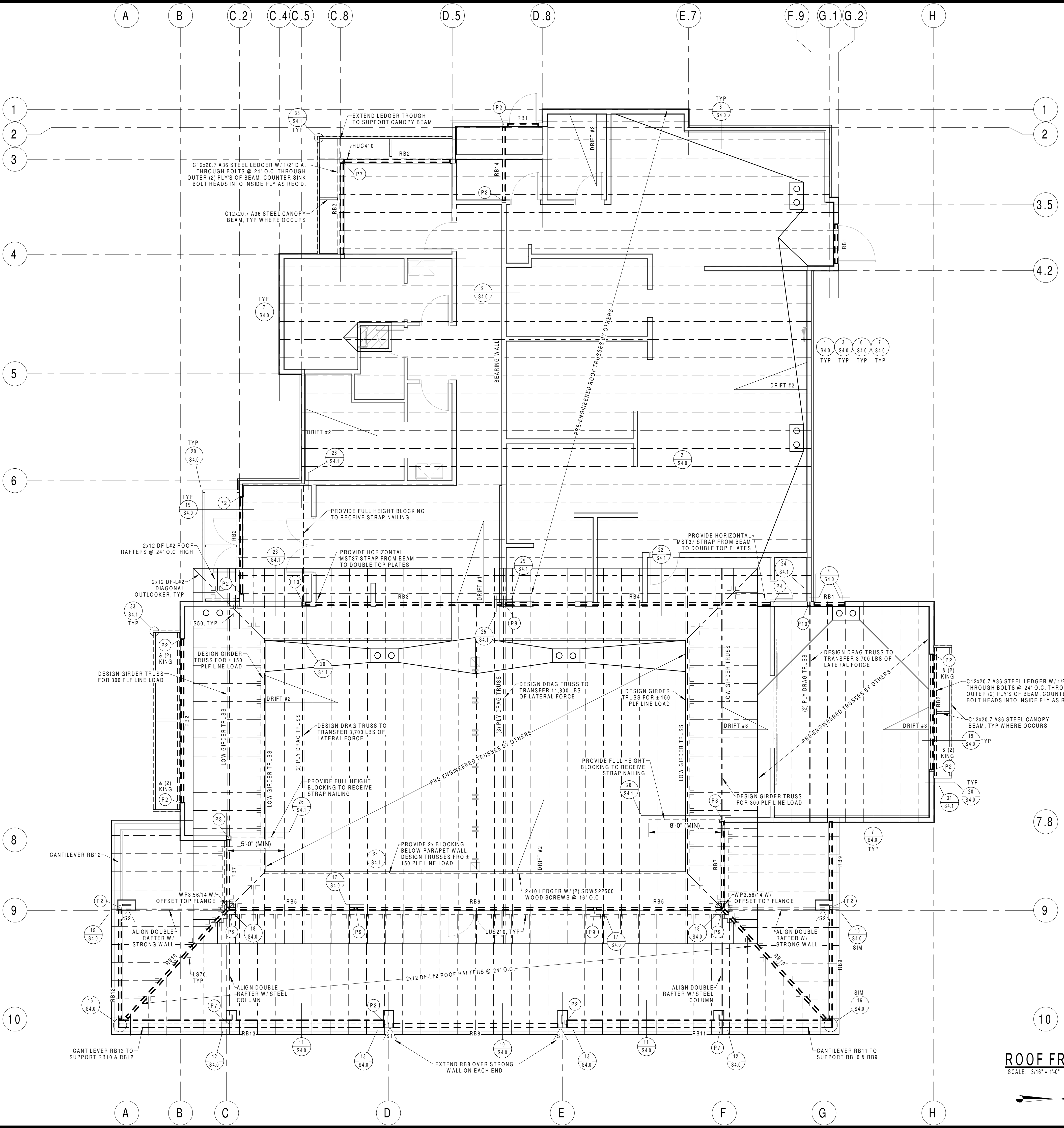
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01/16/2020  
**S2.0**

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- ### FRAMING NOTES
- PLANS ARE NOT COMPLETE WITHOUT THE STRUCTURAL CALCULATIONS.
  - REFER TO SHEET S0.0 FOR THE GENERAL STRUCTURAL NOTES.
  - ROOF SHEATHING SHALL BE APA RATED 7/16" OSB OR CDX PLYWOOD WITH #4 NAILS AT 6" O.C. EDGE, 12" O.C. FIELD.
  - FLOOR SHEATHING SHALL BE APA RATED 3/4" TAG WITH #10 NAILS OR SIMPSON WNTL2L3 #8 WOOD SCREWS AT 6" O.C. EDGE, 12" O.C. FIELD.
  - EXTERIOR STUD WALLS SHALL BE 2x6 DF-L @ 24" O.C. U.N.O.
  - USE (1) 16d NAILS BETWEEN TOP PLATE SPLICE POINTS ON ALL EXTERIOR AND SHEAR WALLS. PROVIDE A 4'-0" MINIMUM LAP SPLICE.
  - INSTALL ALL SIMPSON HARDWARE PER MANUFACTURER'S SPECIFICATIONS.
  - HOLD-DOWNS SHALL BE INSTALLED ON (2) FULL HEIGHT KING STUDS (MINIMUM).
  - LAMINATE (3) PLY BEAMS W/ (2) ROWS OF 10d NAILS @ 12" O.C. EACH FAC. U.N.O.
  - ROOF RAFTERS SHALL BE 2x8 DF-L#2 AT 24" O.C. U.N.O.
  - PROVIDE 2x SQUASH BLOCKING AT FLOOR FRAMING TO MATCH DIMENSIONS OF POST ABOVE.
  - ALL DETAILS SHALL APPLY IN ALL SIMILAR SITUATIONS.
  - ALL LUMBER NOT PERMANENTLY PROTECTED FROM THE ELEMENTS SHALL BE PRESERVATIVE TREATED OR A DECAY RESISTANT SPECIES. CONTACT LEI ENGINEERS AND SURVEYORS, INC. IF A DIFFERENT SPECIES IS TO BE USED.
  - 1/4" BENT PLATE MAY BE USED FOR CANOPY BEAMS AND LEDGER.

### POST SCHEDULE

DESIG	POST SIZE
P1	(1) 2x
P2	(2) 2x
P3	(3) 2x
P4	(4) 2x
P5	(5) 2x
P6	4x4
P7	6x6
P8	HSS 12x5 1/2x3/8 A500 GR. B-48 STEEL
P9	HSS 4x1/4 A500 GR. B-48 STEEL
P10	HSS 5x1/4 A500 GR. B-48 STEEL

- NOTES:
- POSTS INDICATE NUMBER OF FRAMER STUDS WHEN SPECIFIED AT HEADERS. ALL OTHER POST DESIGNATIONS REFER TO FULL HEIGHT KING STUDS U.N.O.
  - INSTALL (1) FRAMER STUD AND (1) KING STUD EACH SIDE OF EACH OPENING U.N.O.
  - INSTALL (2) FRAMER STUDS AT EACH SIDE OF OPENINGS GREATER THAN 6'-0" WIDE U.N.O.
  - INSTALL (2) KING STUDS EACH SIDE OF OPENINGS GREATER THAN 6'-0" WIDE U.N.O.
  - 2x BOLS OF POSTS SHALL BE THE SAME WIDTH OF THE WALL IN WHICH THEY ARE FRAMED U.N.O.
  - ALL EACH END OF 4x4/6x6/8x8 POSTS @ 16" NAILS @ 6" O.C. STAGGERED U.N.O.
  - POSTS THAT ARE NOT FRAMED WITH A STUD SHALL BE BRACED WITH 2x OR 4x POST CAP AND PE OR ABA POST BASE U.N.O.

### BEAM SCHEDULE

DESIG	QTY	SIZE	TYPE
RB1	2	2x8	DF-L#2
RB2	3	1 3/4"x11 7/8"	MICROLLAM
RB3	1	5 1/2"x19 1/2"	GLULAM
RB4	1	5 1/2"x20"	GLULAM
RB5	3	1 3/4"x14"	MICROLLAM
RB6	1	5 1/2"x28 1/2"	GLULAM
RB7	2	1 3/4"x14"	MICROLLAM
RB8	3	1 3/4"x11 7/8"	MICROLLAM
RB9	2	1 3/4"x11 7/8"	MICROLLAM
RB10	2	1 3/4"x11 7/8"	MICROLLAM
RB11	1	W10x49	A992-50 STEEL
RB12	3	1 3/4"x11 7/8"	MICROLLAM
RB13	1	W10x49	A992-50 STEEL
RB14	2	1 3/4"x11 7/8"	MICROLLAM



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



**REVISIONS**

Date	Description

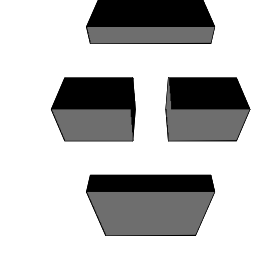
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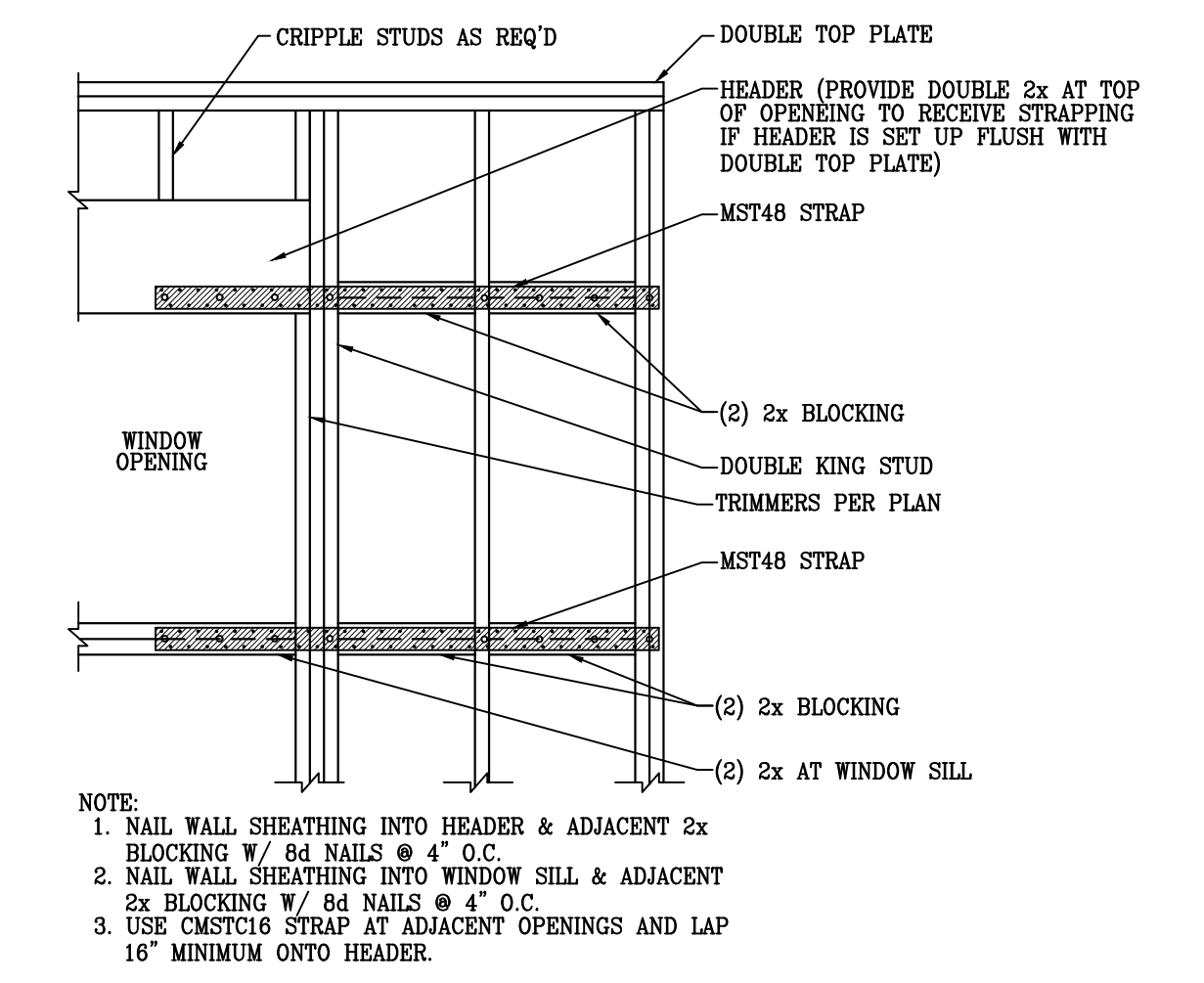
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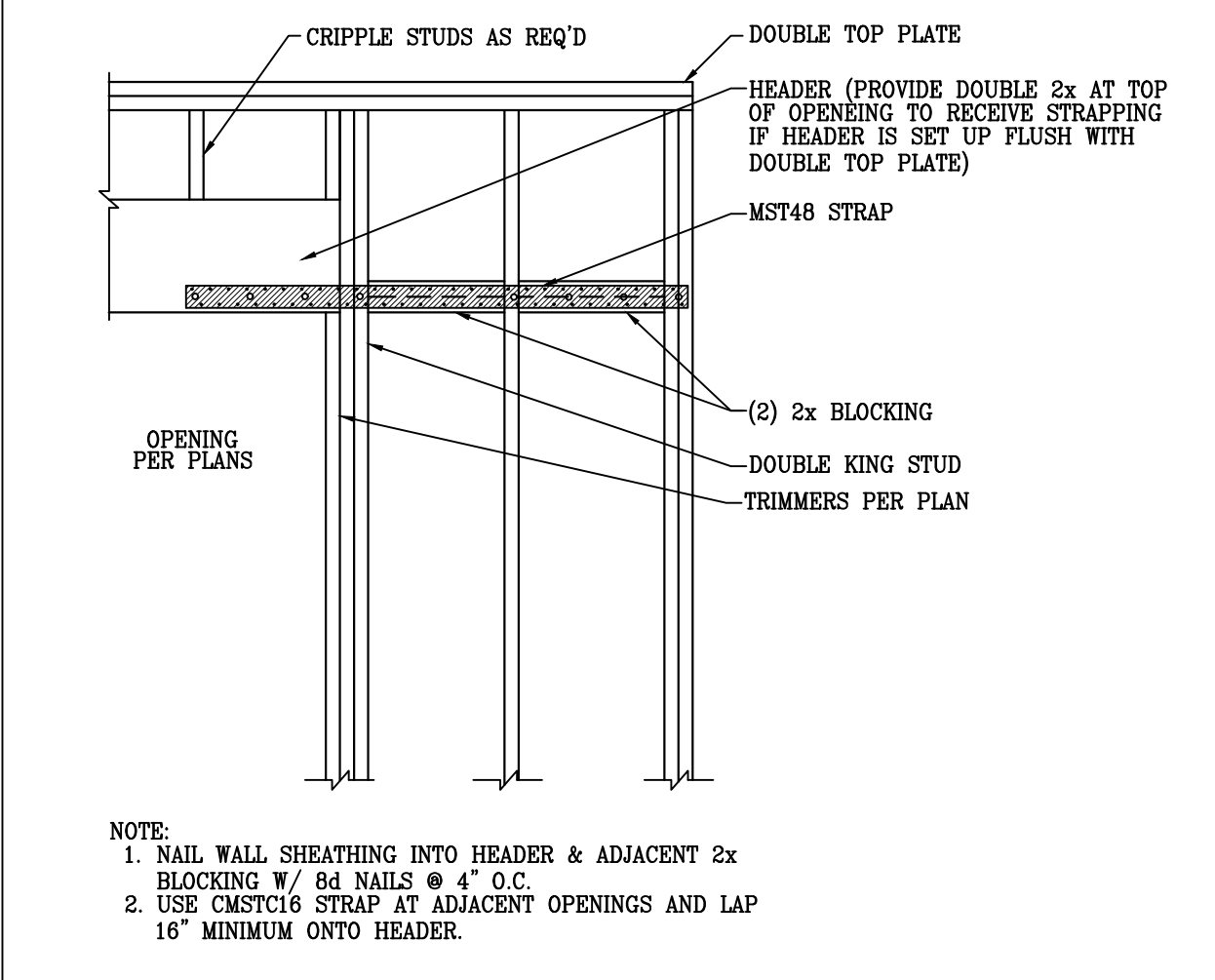
**BLOSSOM RESTAURANT**  
 ROOF FRAMING PLAN

01/16/2020

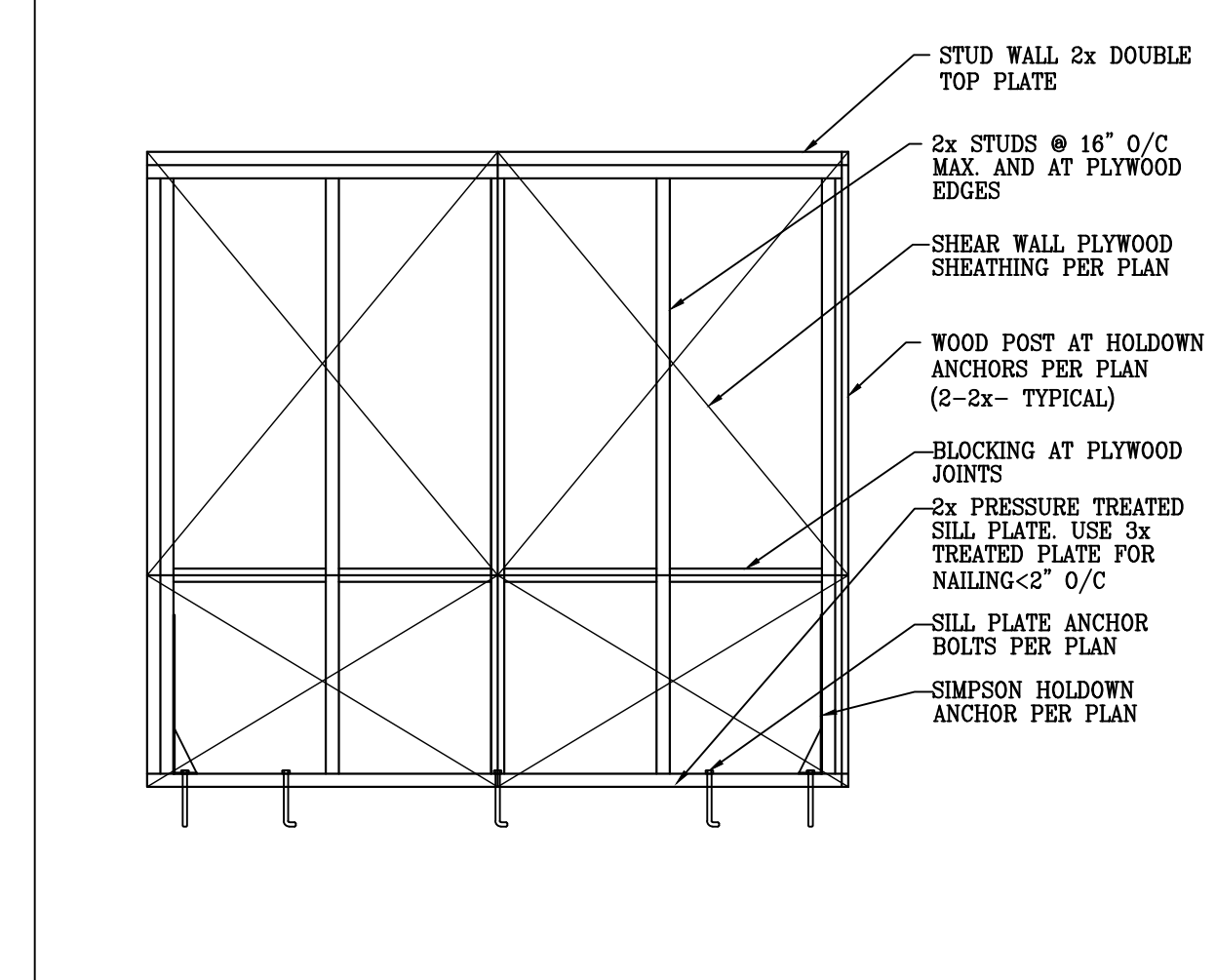
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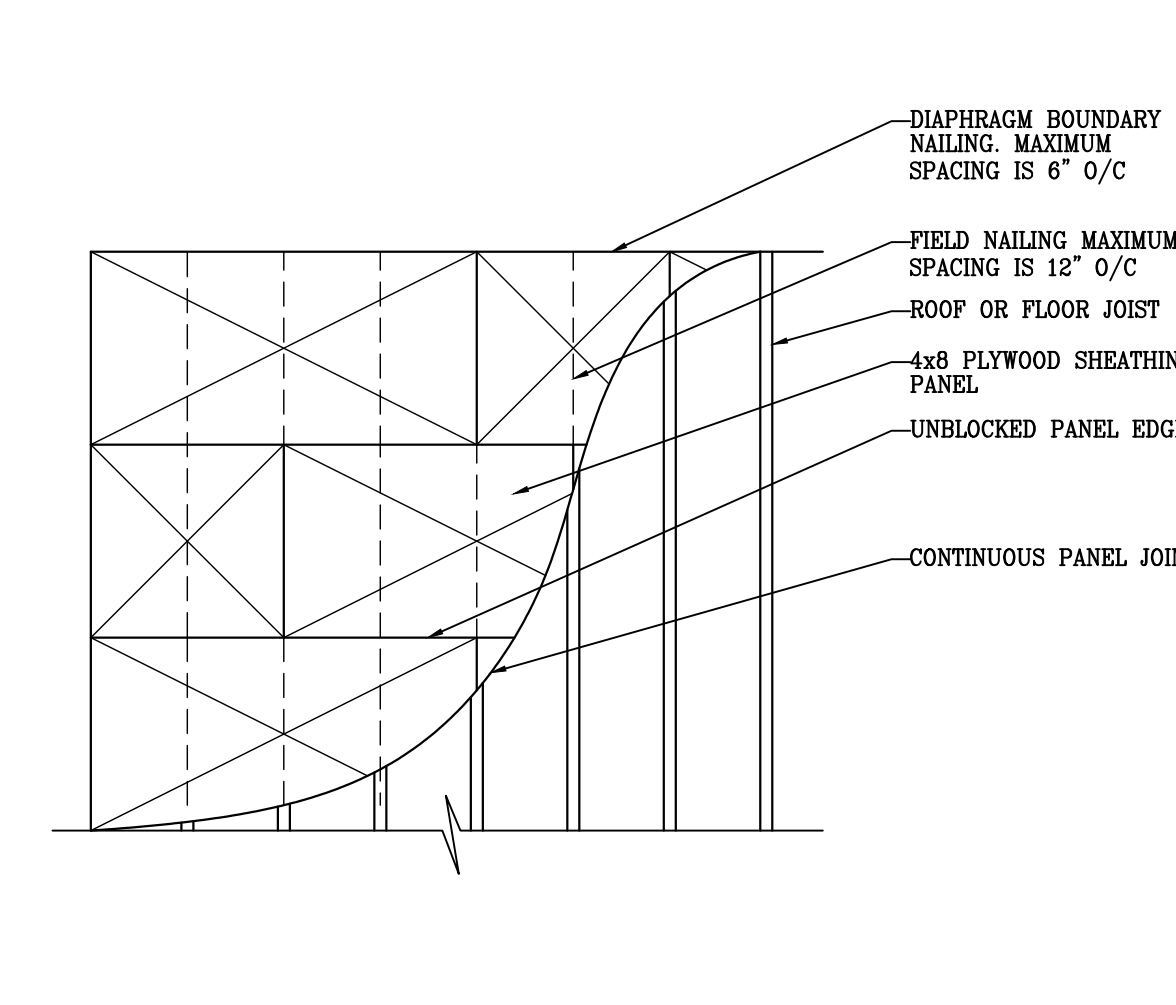
5 BLOCKED HEADER & SILL - PER PLANS



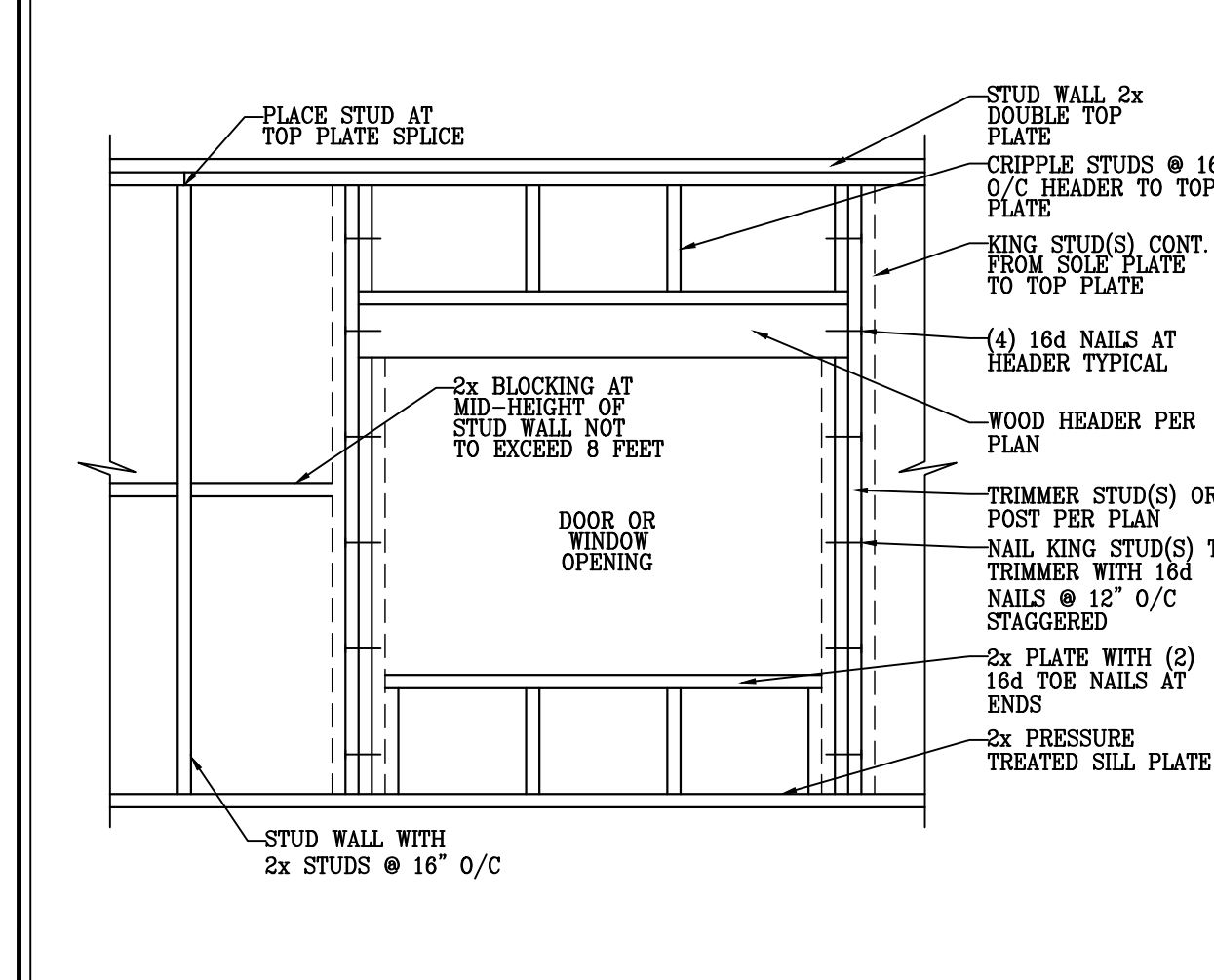
4 HEADER BLOCKING DETAIL - PER PLANS



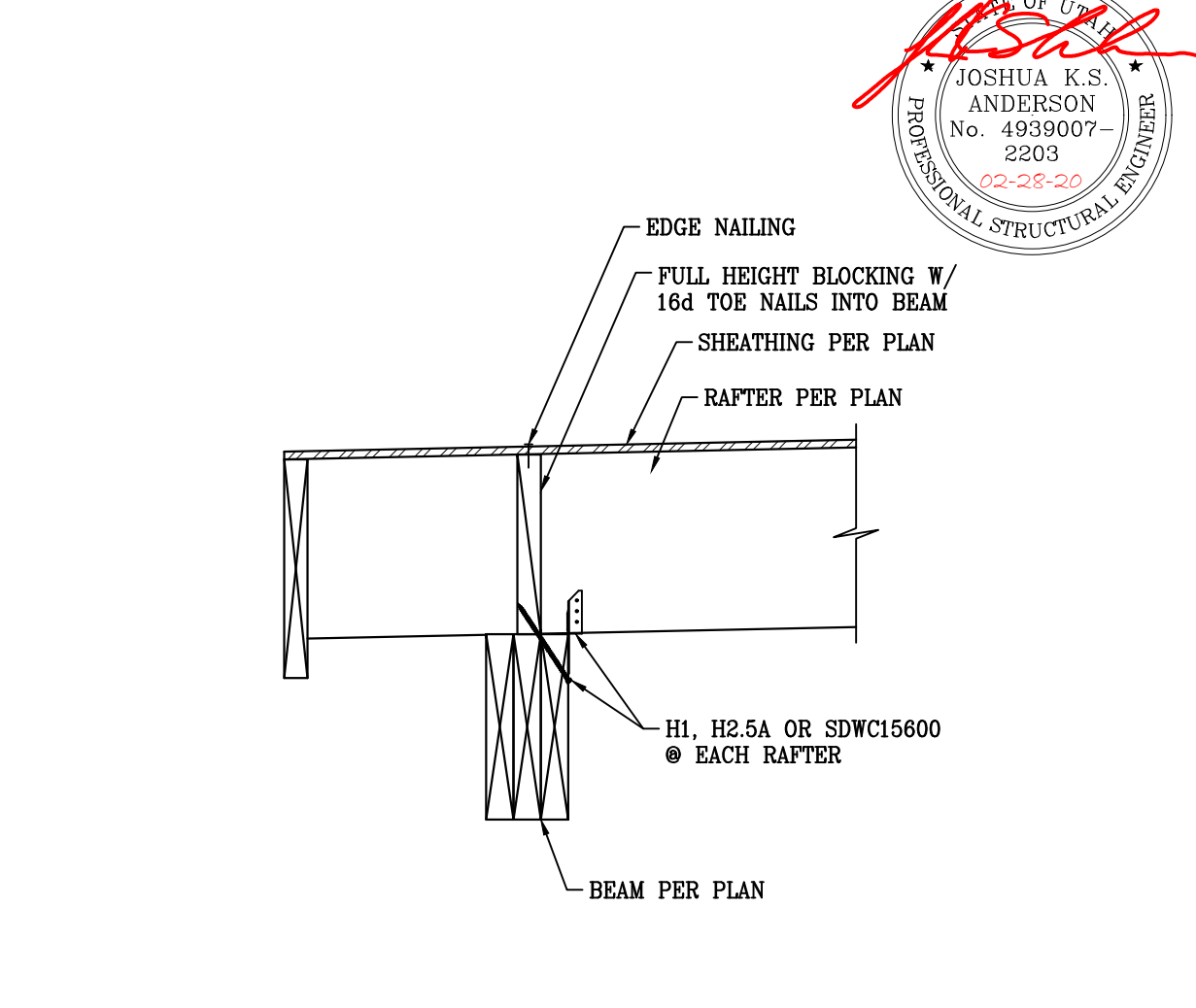
3 TYPICAL SHEAR WALL FRAMING & CONNECTION



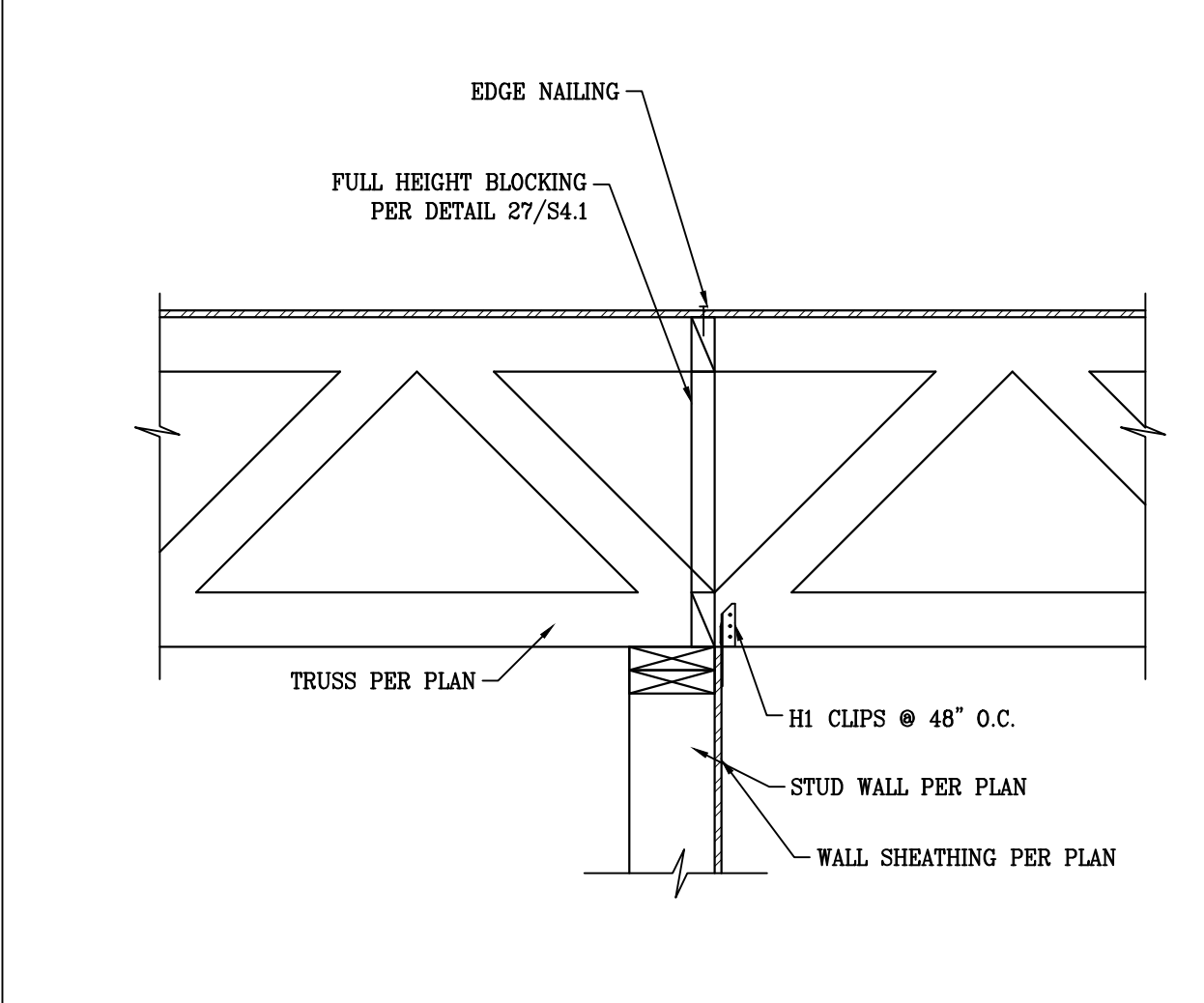
2 TYPICAL UNBLOCKED HORIZONTAL DIAPHRAGM



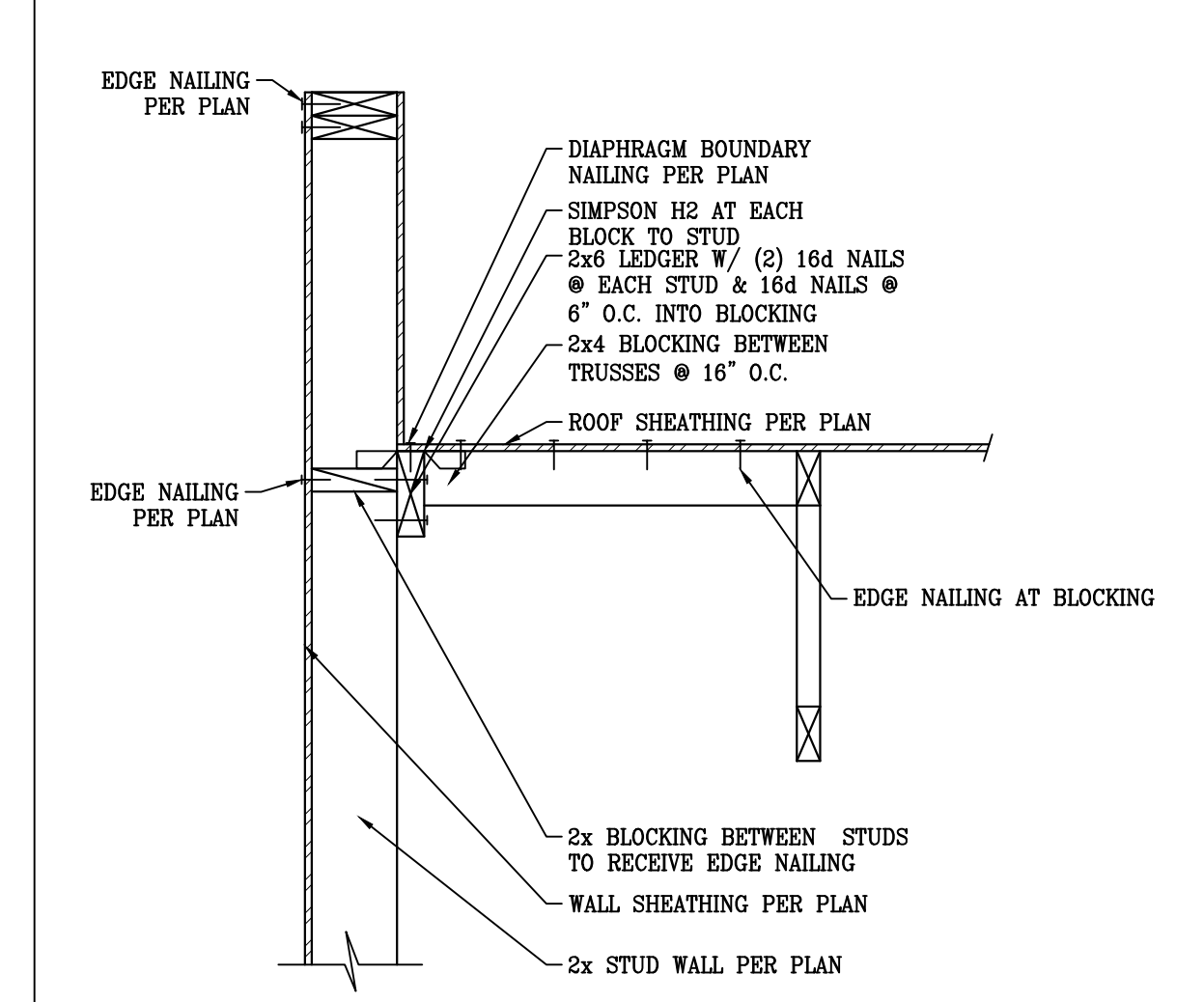
1 TYPICAL WALL FRAMING



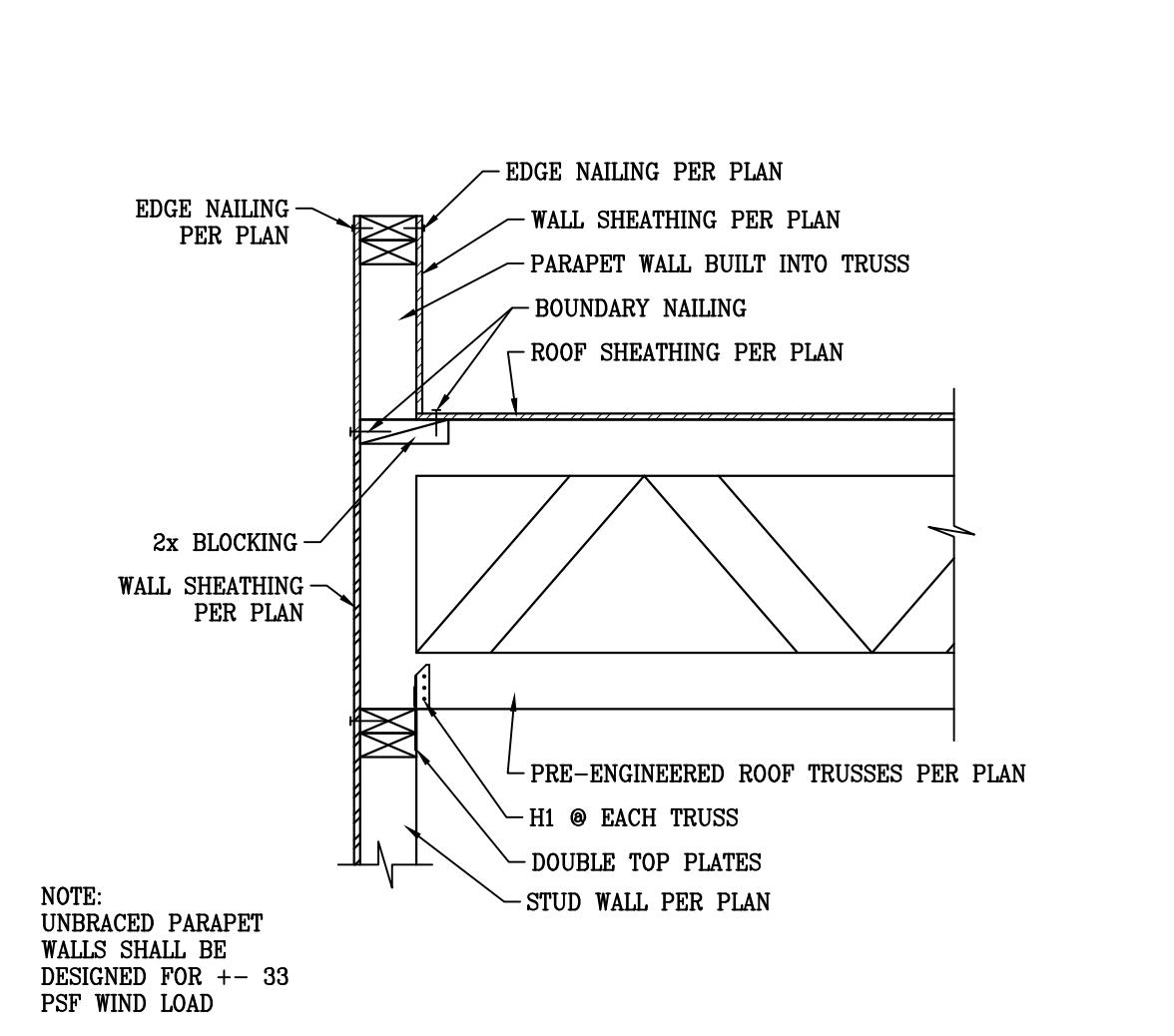
10 RAFTER TO WOOD BEAM



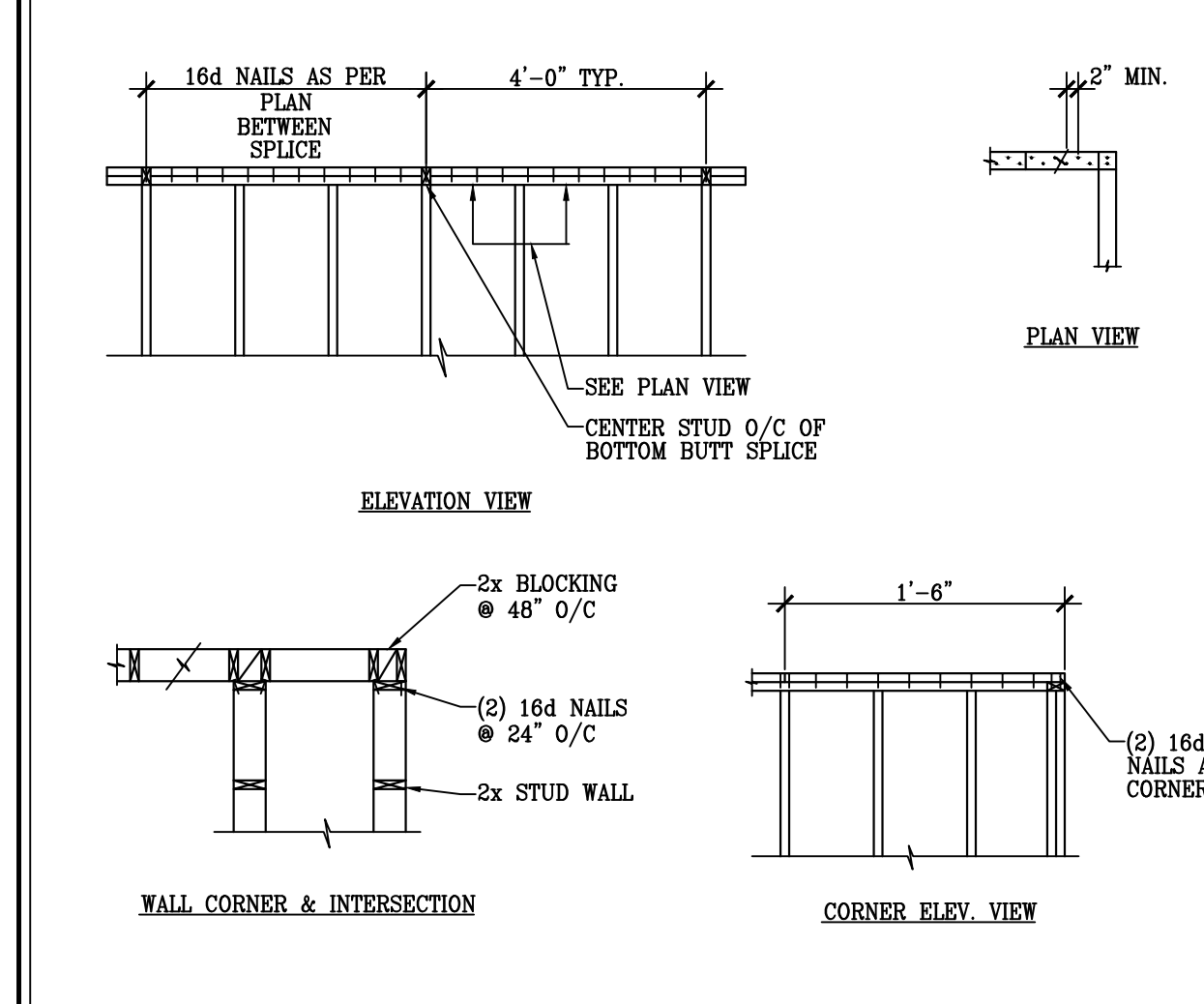
9 ROOF TRUSSES AT INTERIOR SHEAR WALL



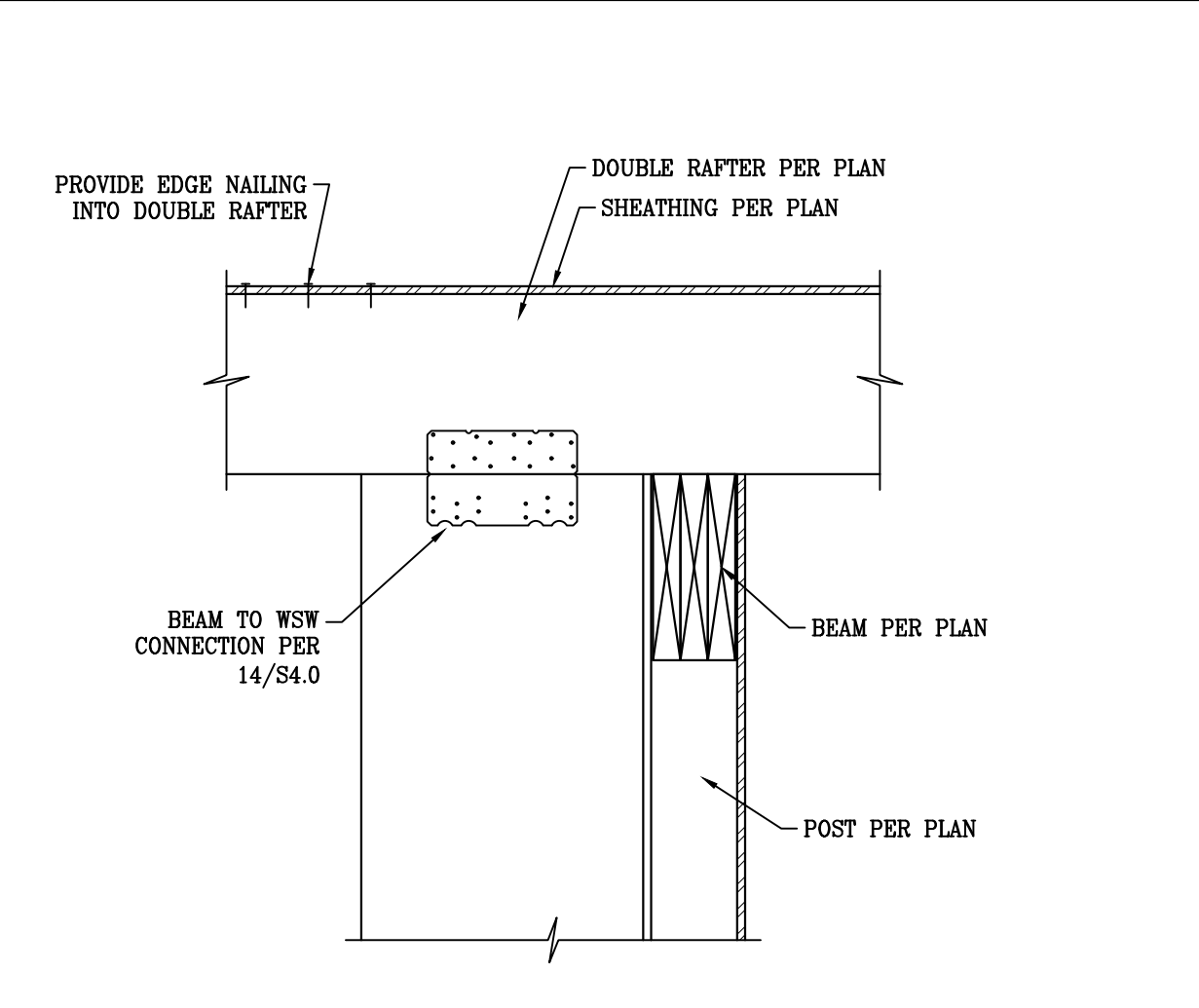
8 PARAPET WALL WITH PARALLEL TRUSS DETAIL



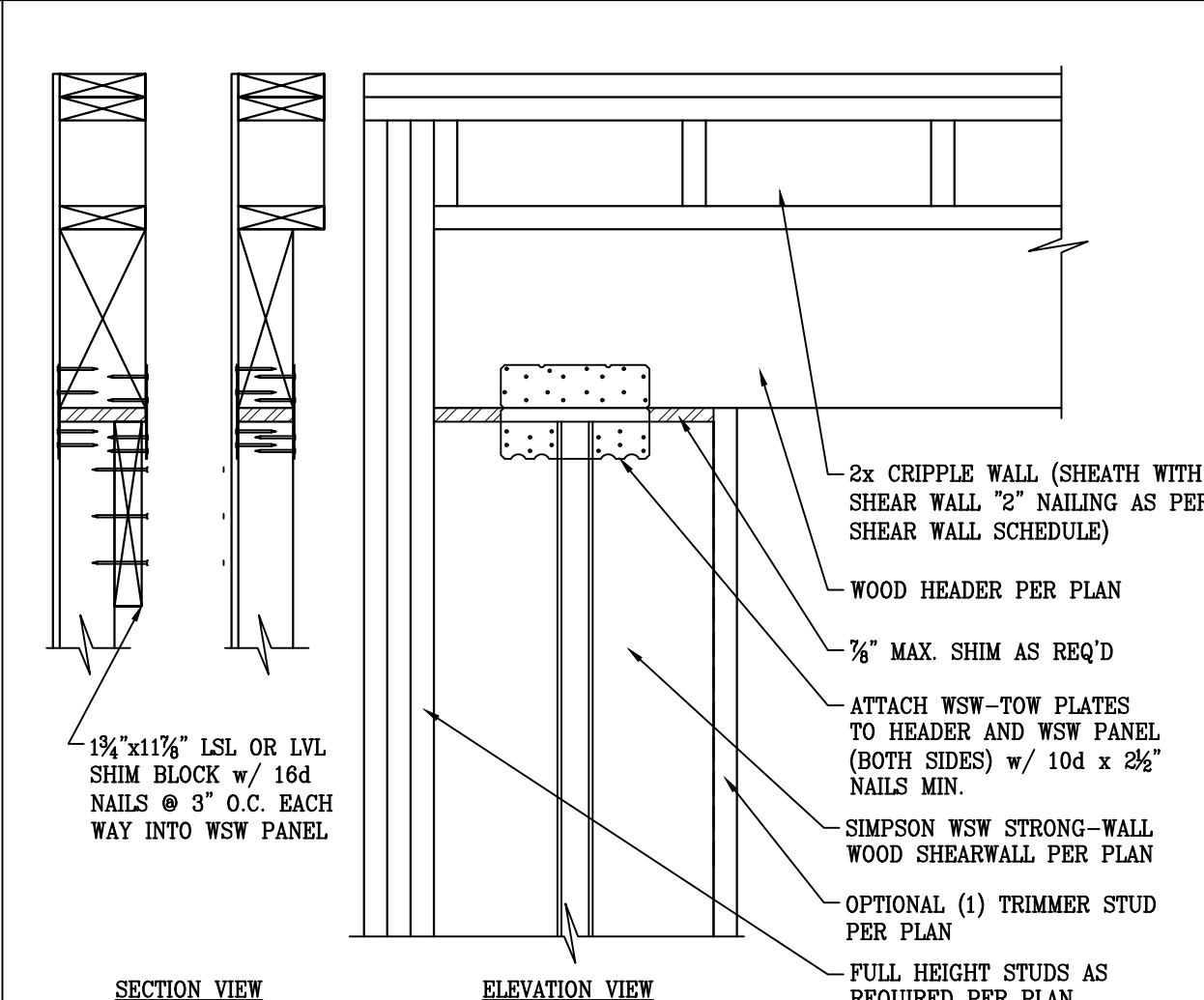
7 ROOF TRUSSES PERPENDICULAR TO STUD WALL



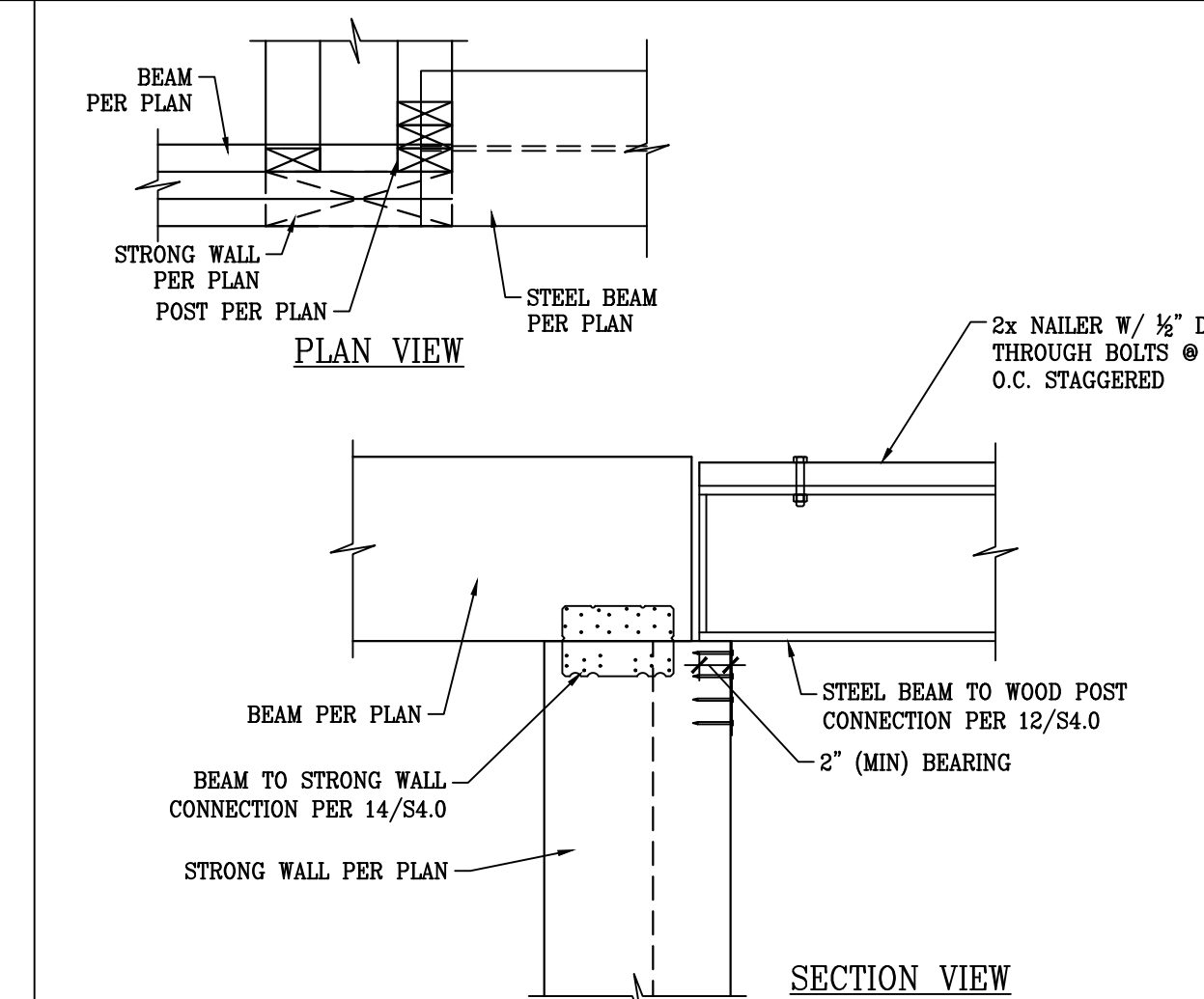
6 TYPICAL STUD WALL TOP PLATE SPLICE CONNECTION



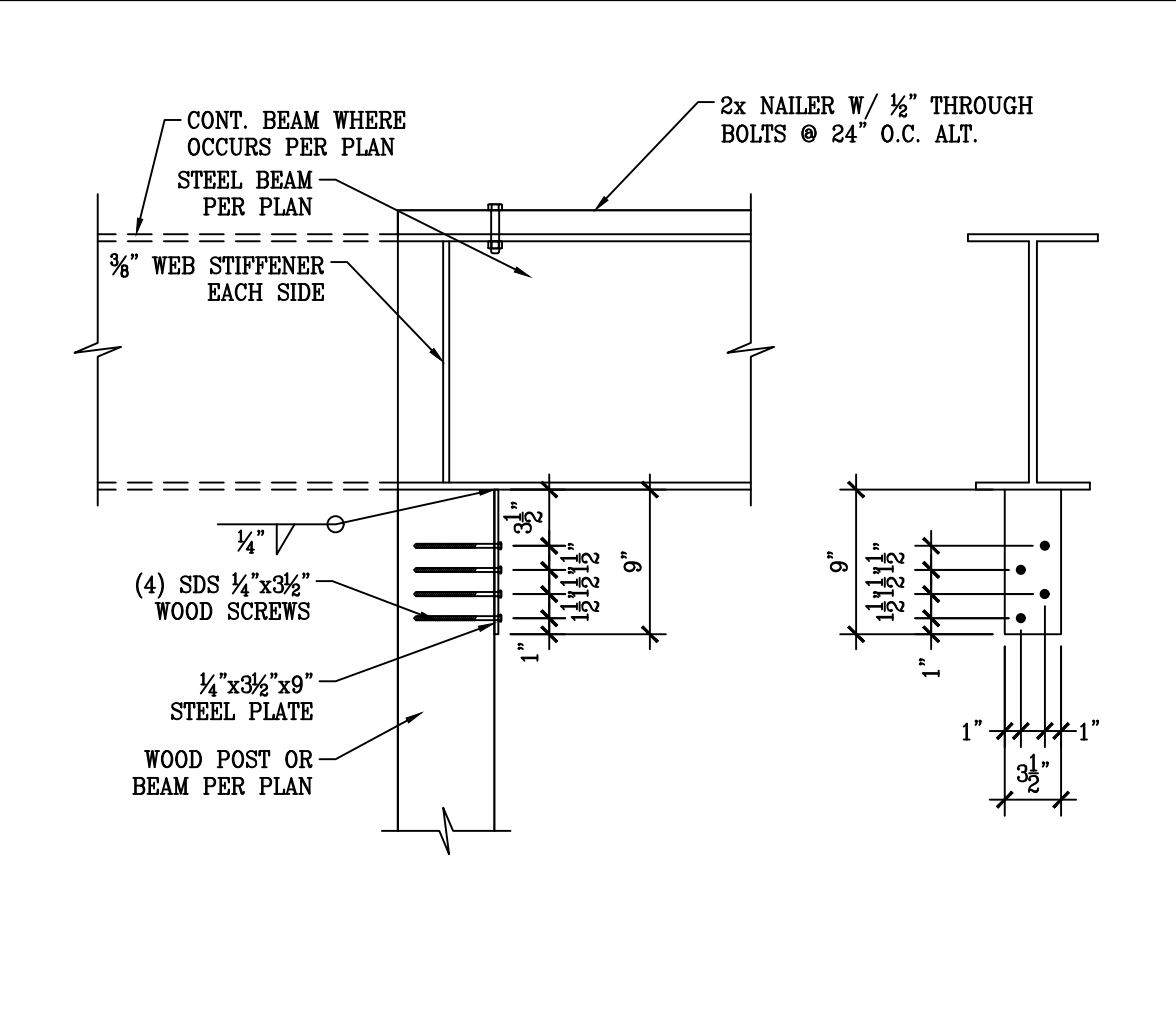
15 DOUBLE RAFTER TO WSW



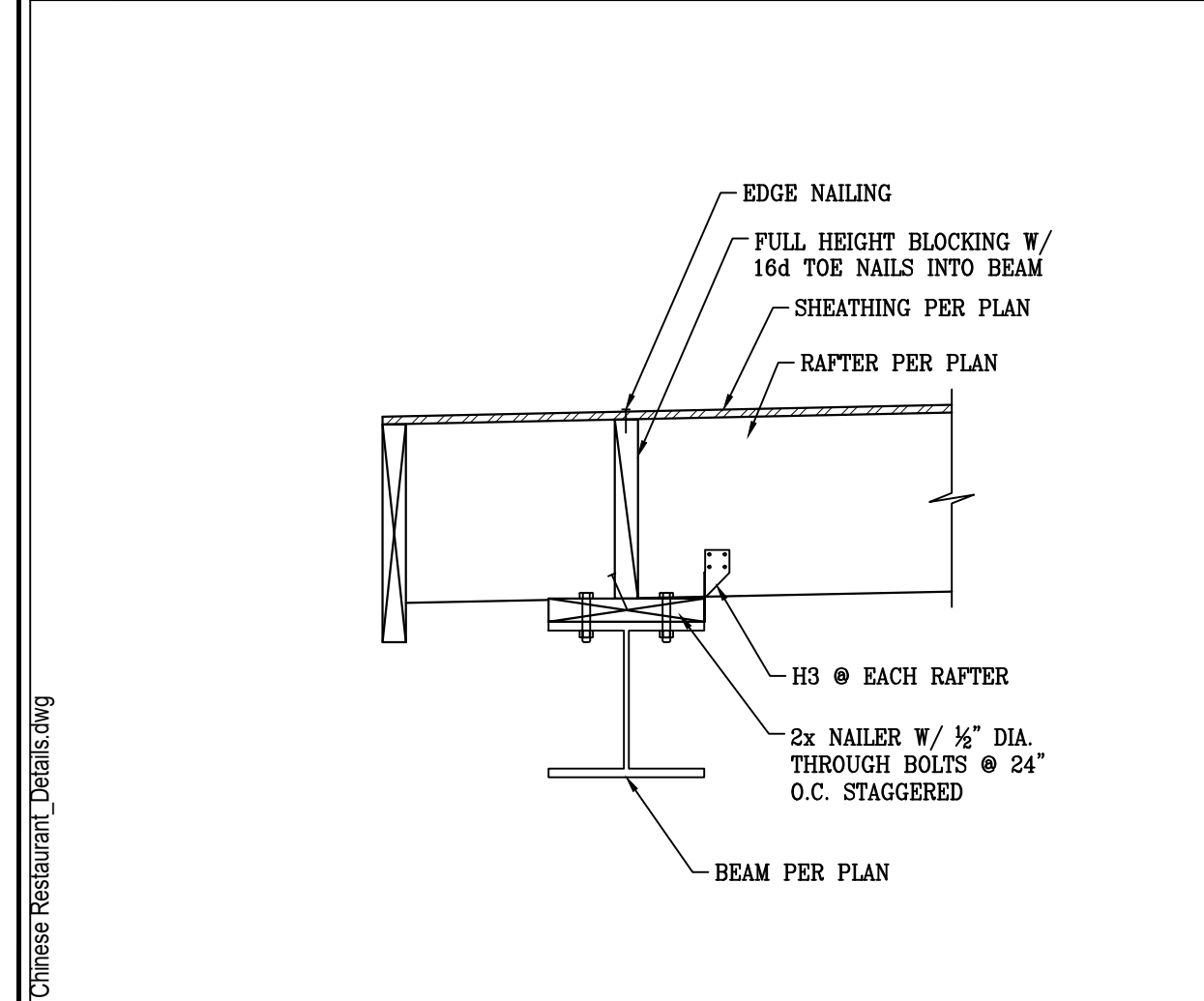
14 WOOD HEADER OVER WSW



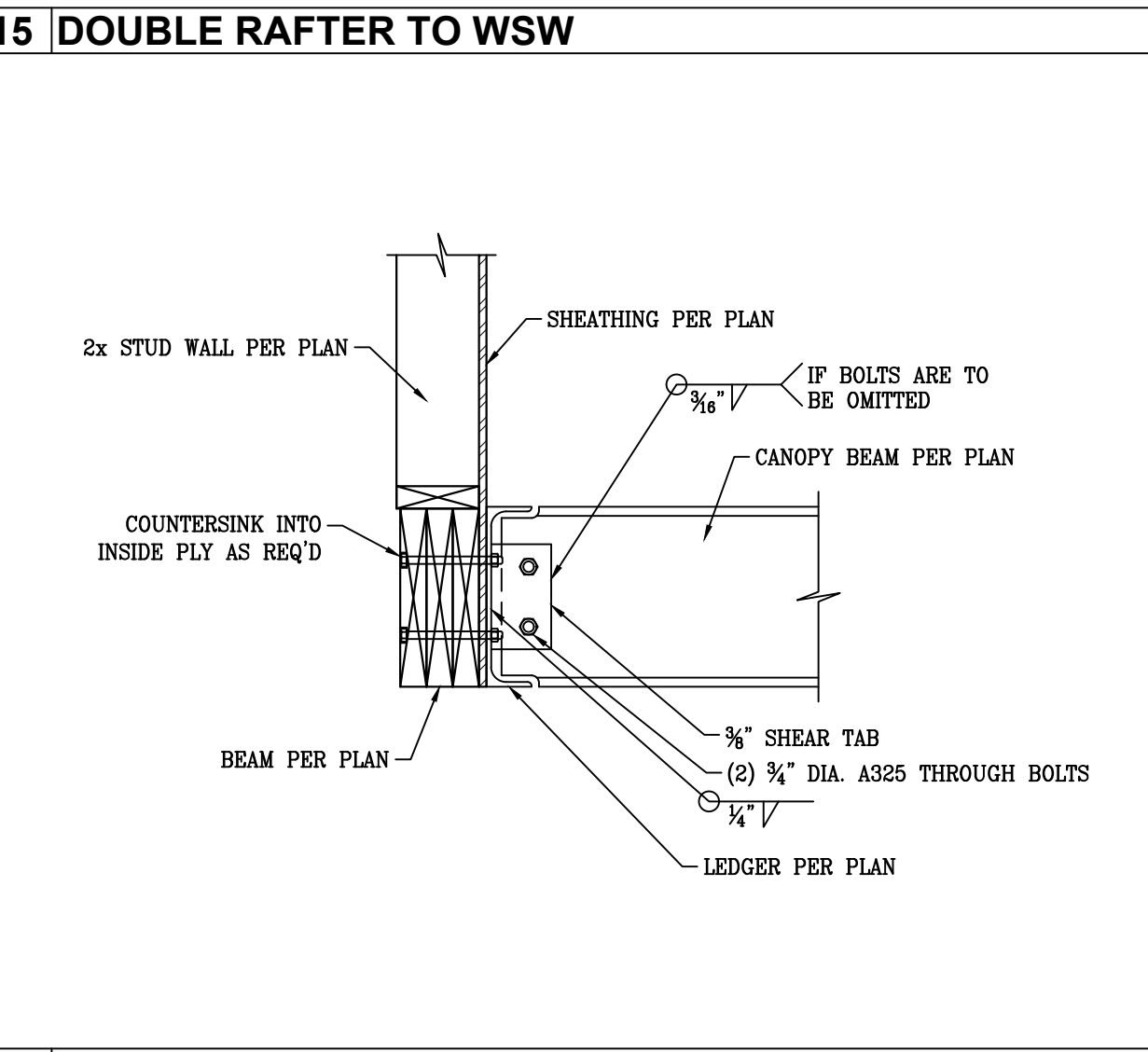
13 BEAM TO STRONG WALL



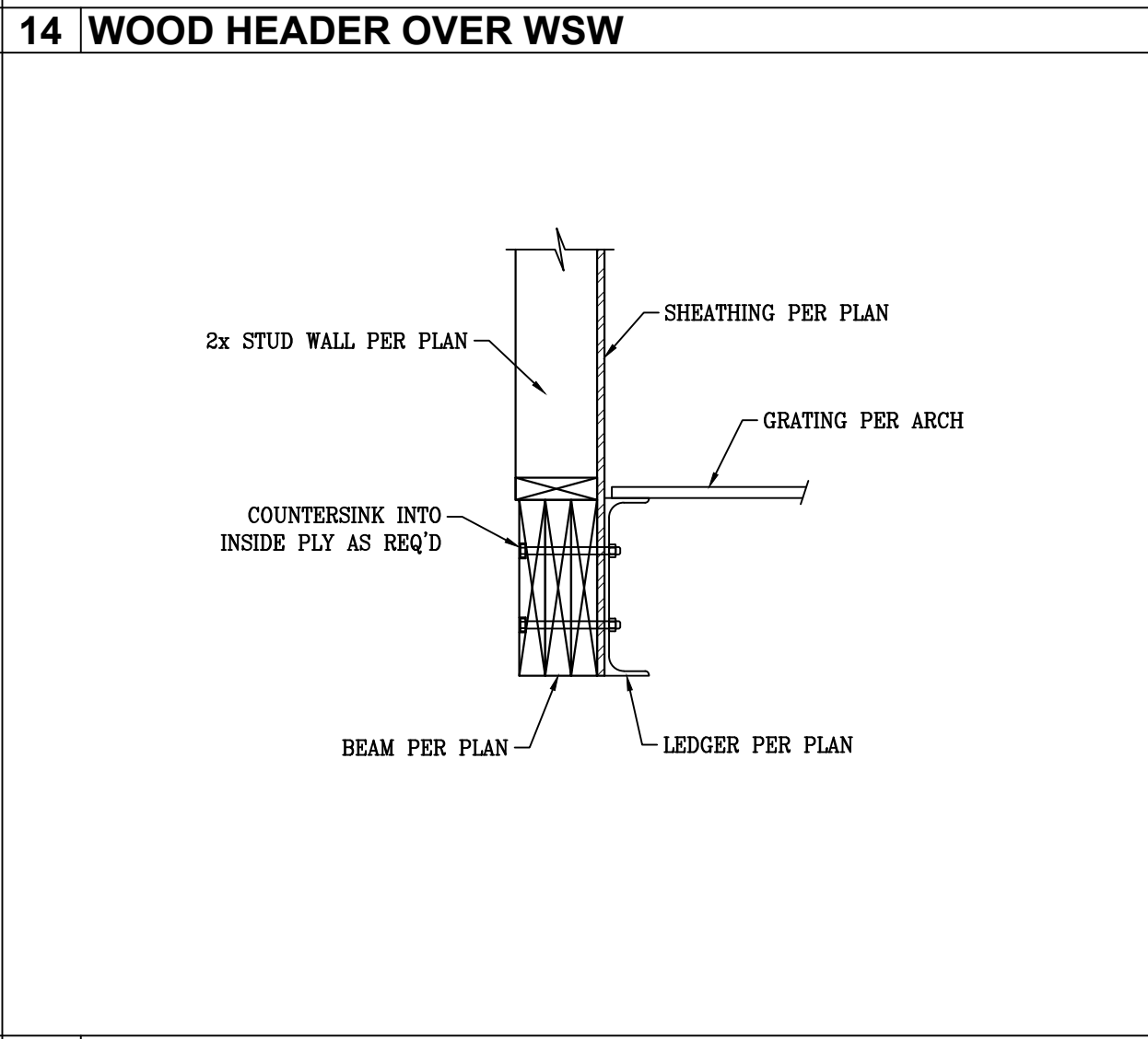
12 STEEL BEAM TO WOOD POST



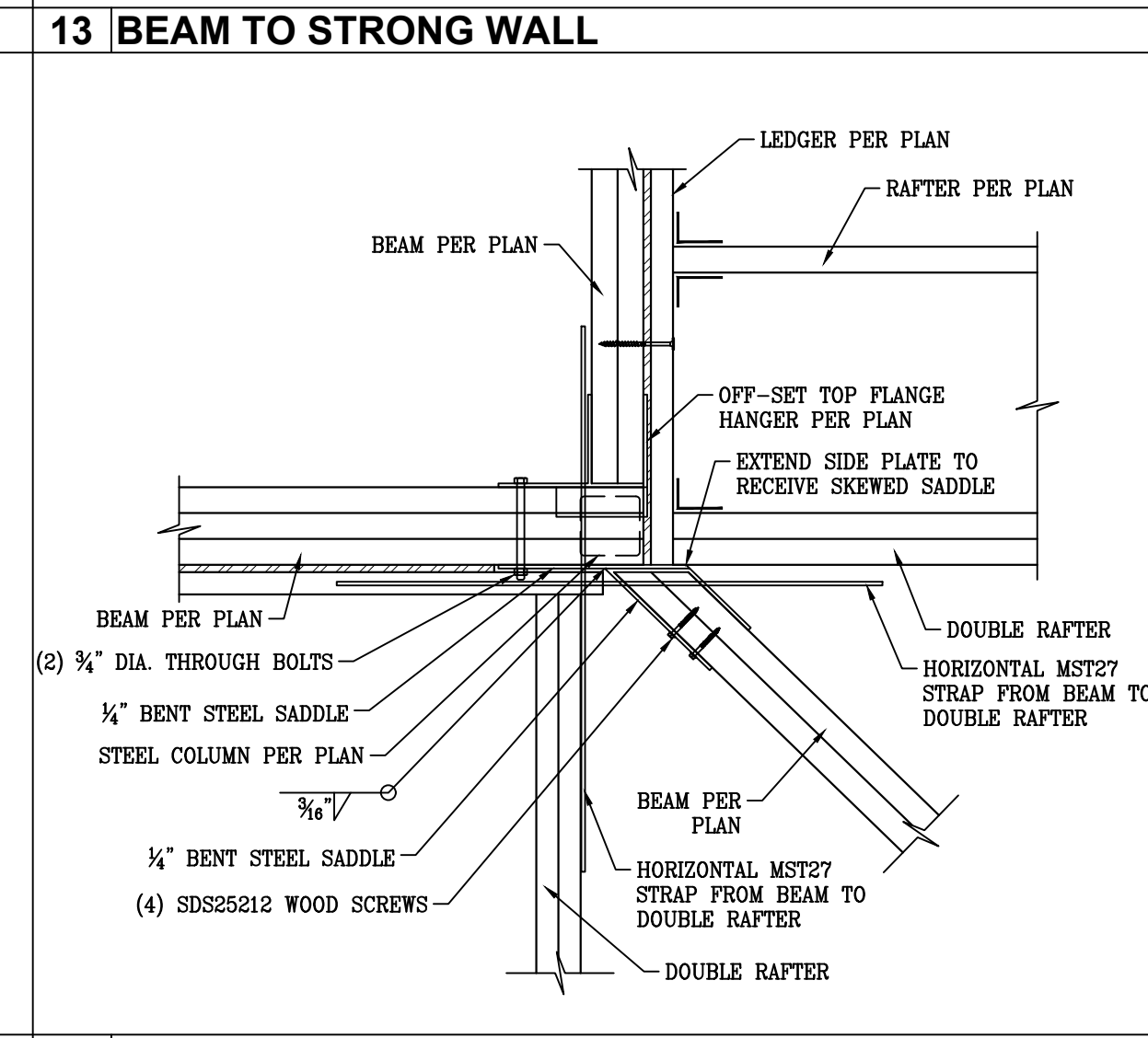
11 RAFTER TO STEEL BEAM



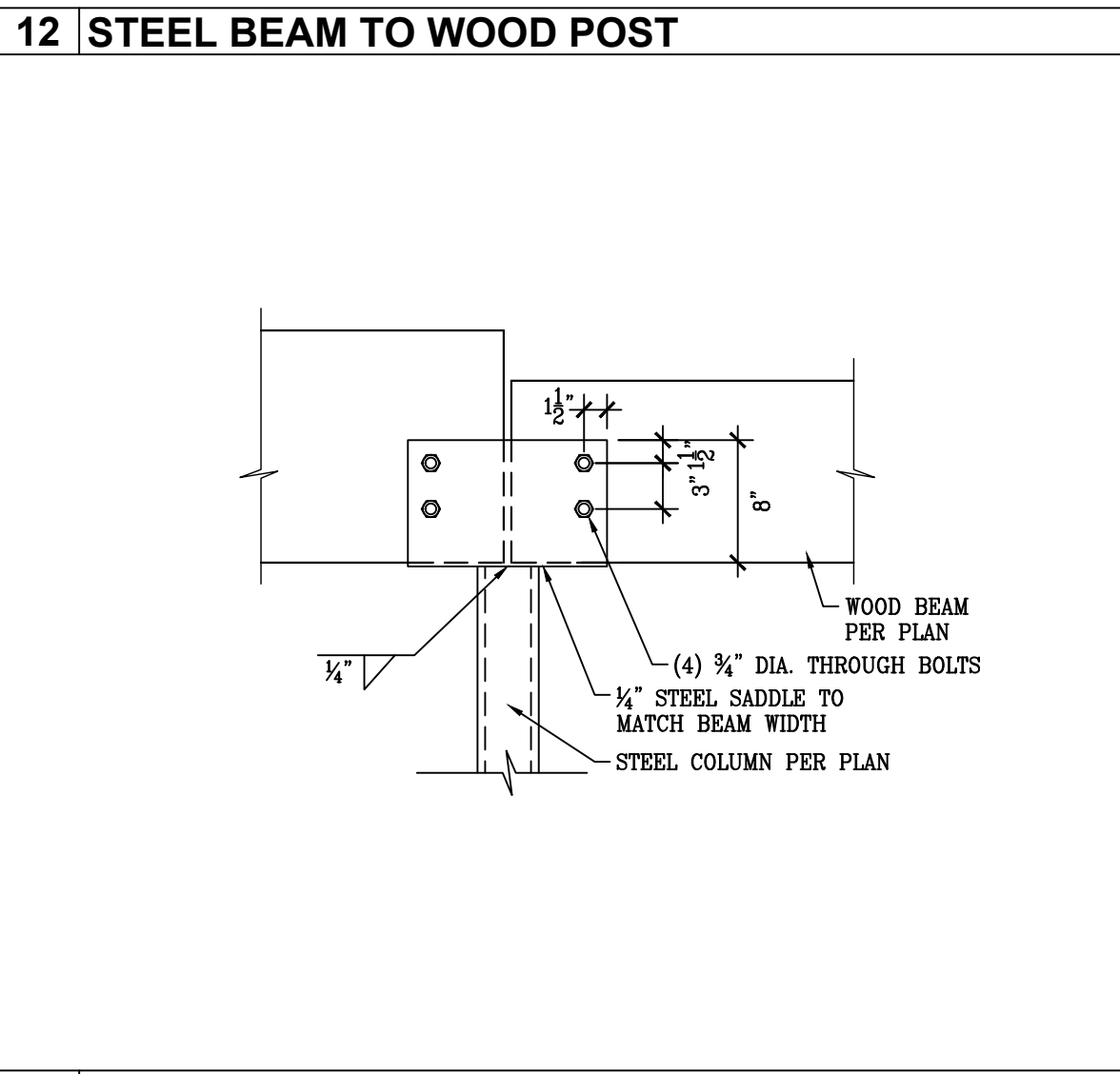
20 CANOPY BEAM TO LEDGER CONNECTION



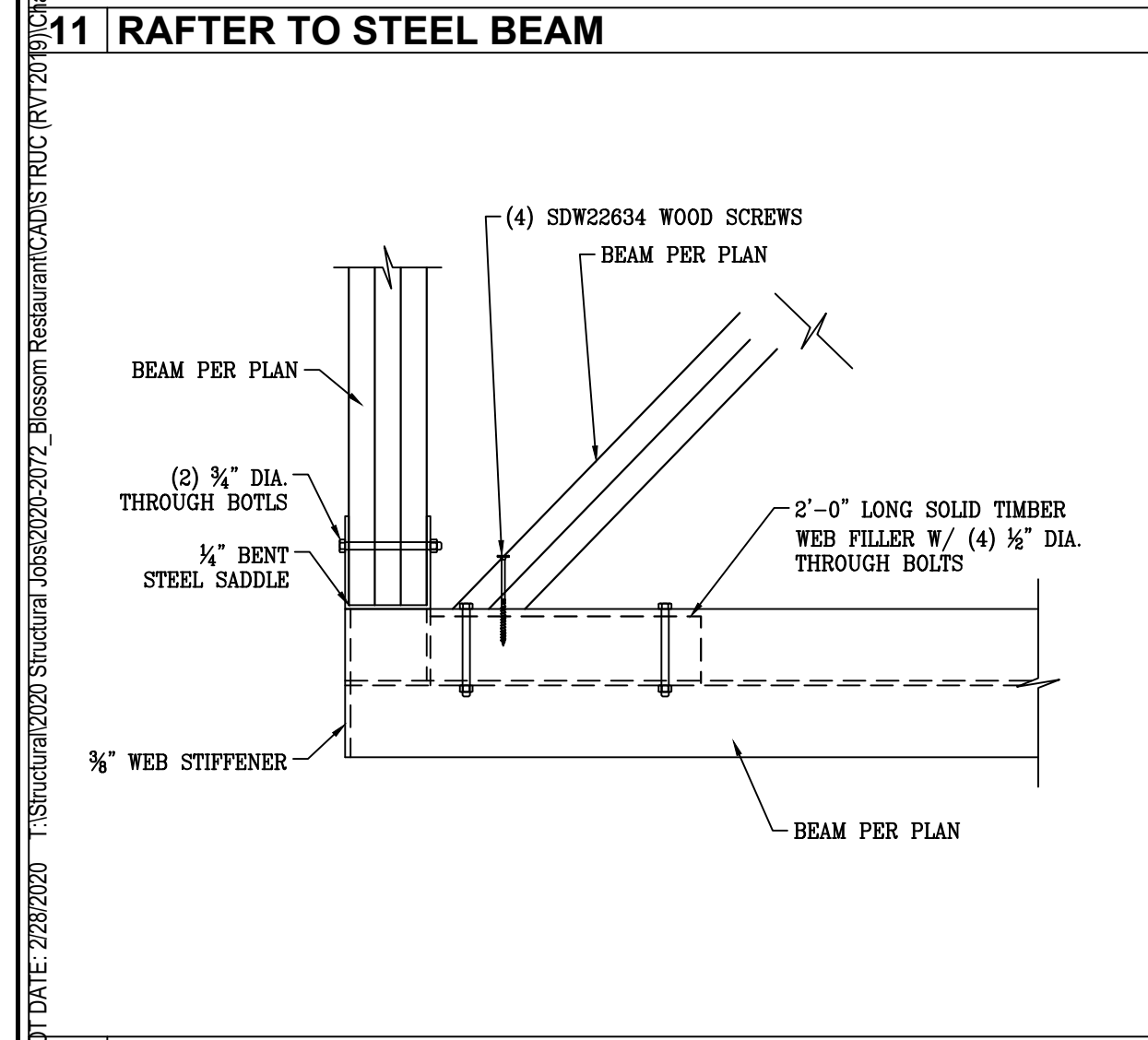
19 CANOPY LEDGER TO BEAM



18 WOOD BEAMS TO STEEL COLUMN - PLAN VIEW



17 WOOD BEAM TO STEEL COLUMN



16 WOOD BEAM TO STEEL BEAM - PLAN VIEW

PROJECT DATE: 2/28/2020 | 1:Shiobara@2020 | Shiobara 06562020-2077\_Mossom Restaurant/CAD/S/STRUC/RY/20 | 1:Shiobara@2020 | Shiobara 06562020-2077\_Mossom Restaurant/CAD/S/STRUC/RY/20 | 1:Shiobara@2020 | Shiobara 06562020-2077\_Mossom Restaurant/CAD/S/STRUC/RY/20



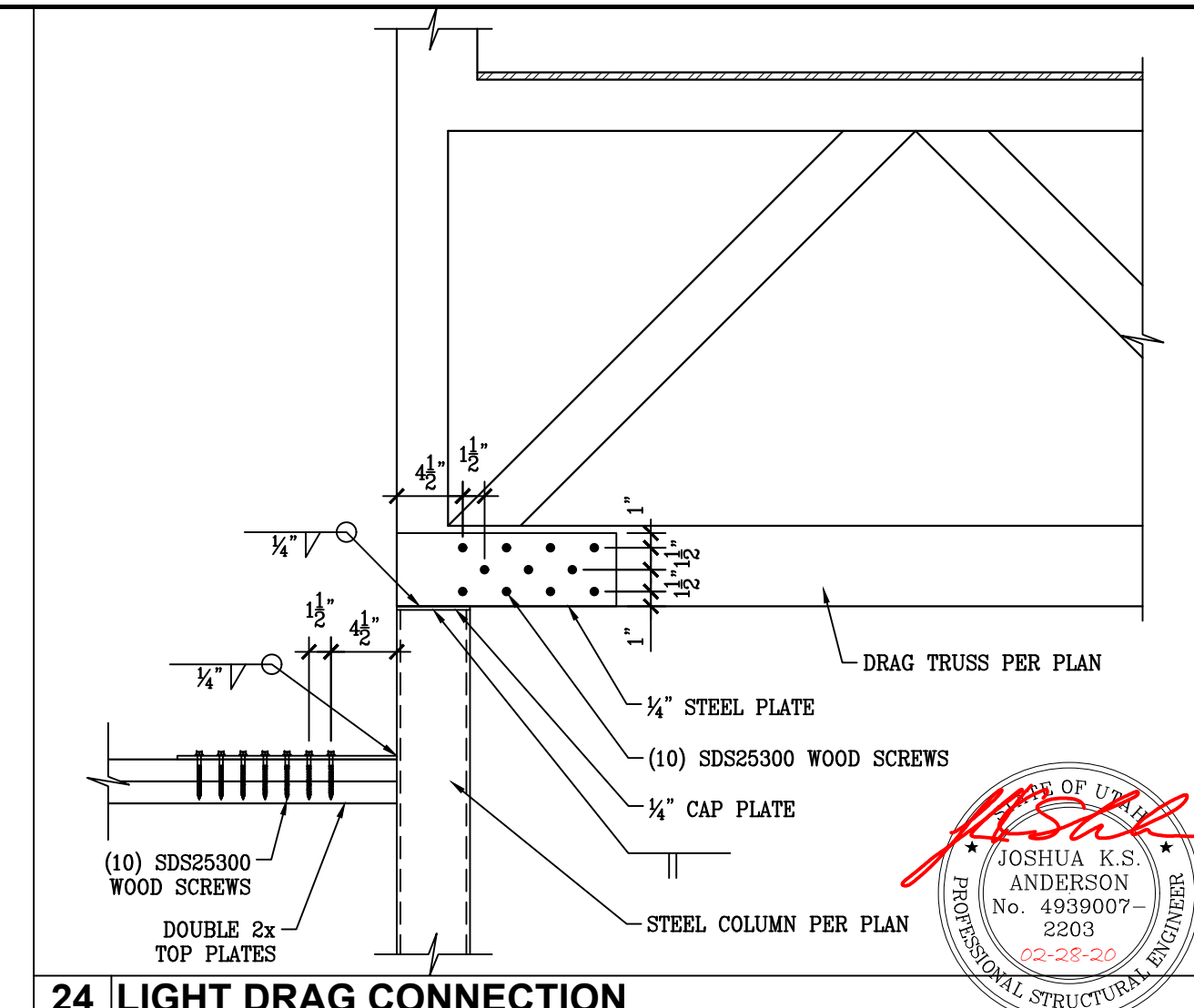
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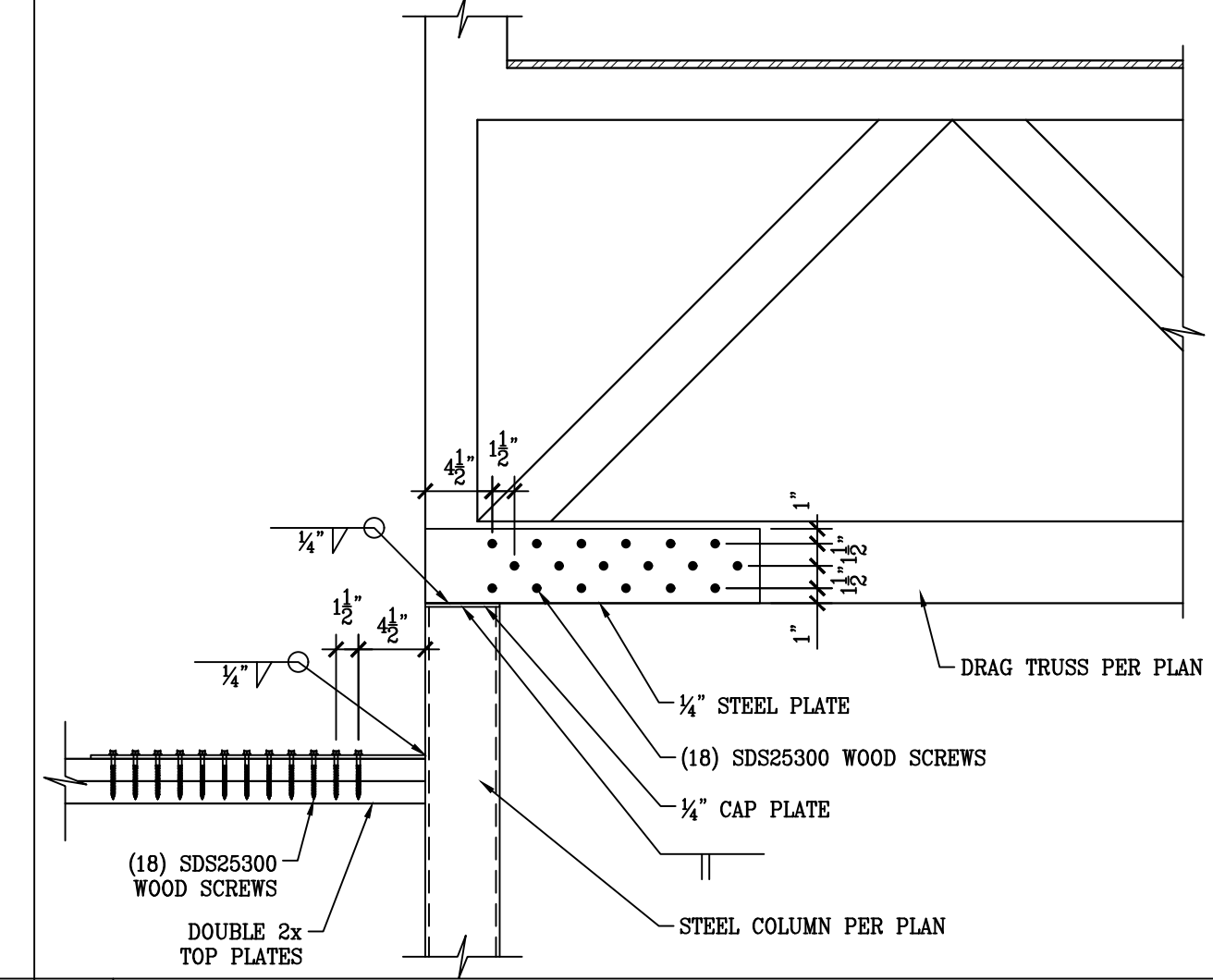
**BLOSSOM RESTAURANT**  
STRUCTURAL DETAILS

Date  
01/16/2020

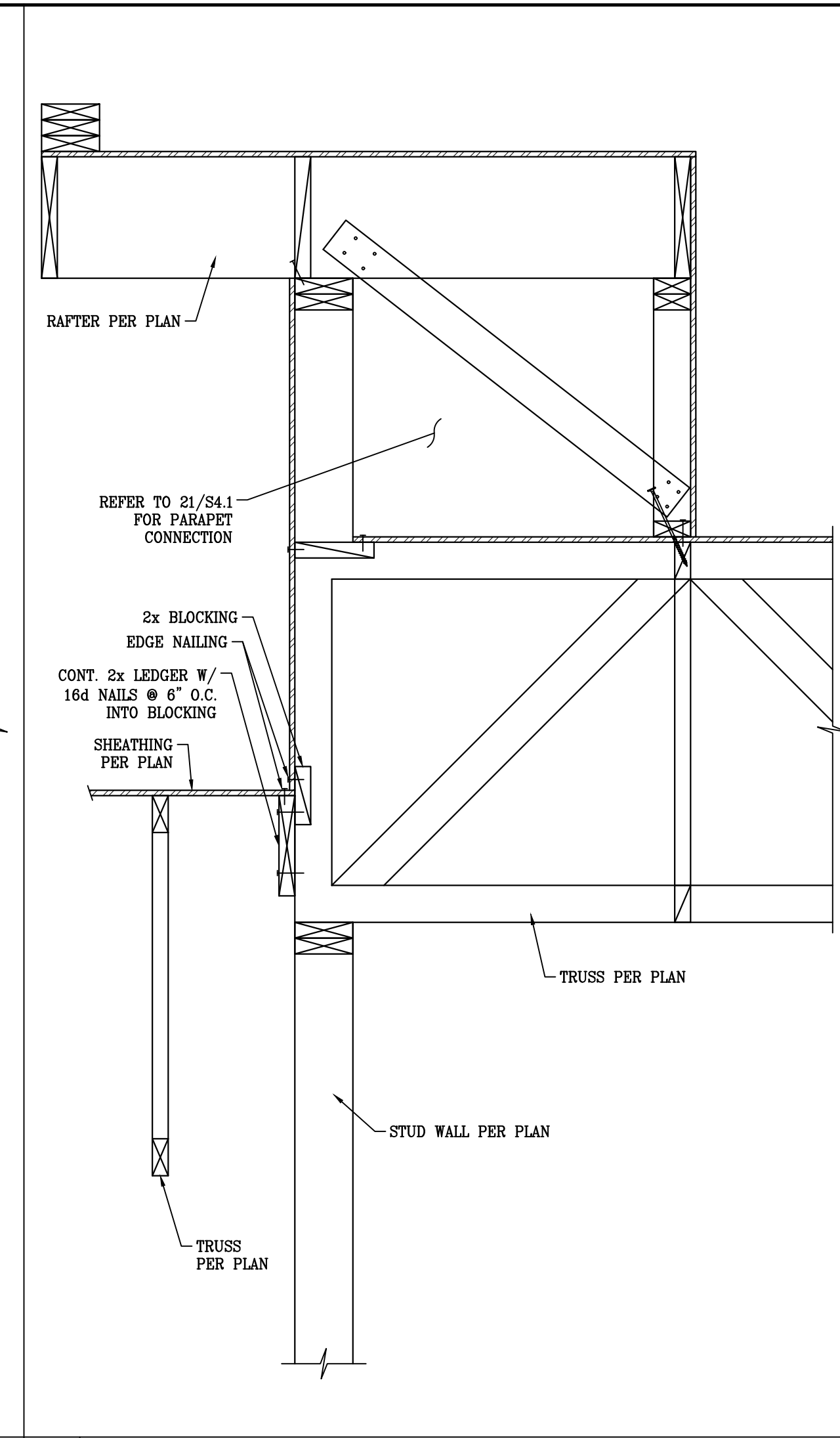
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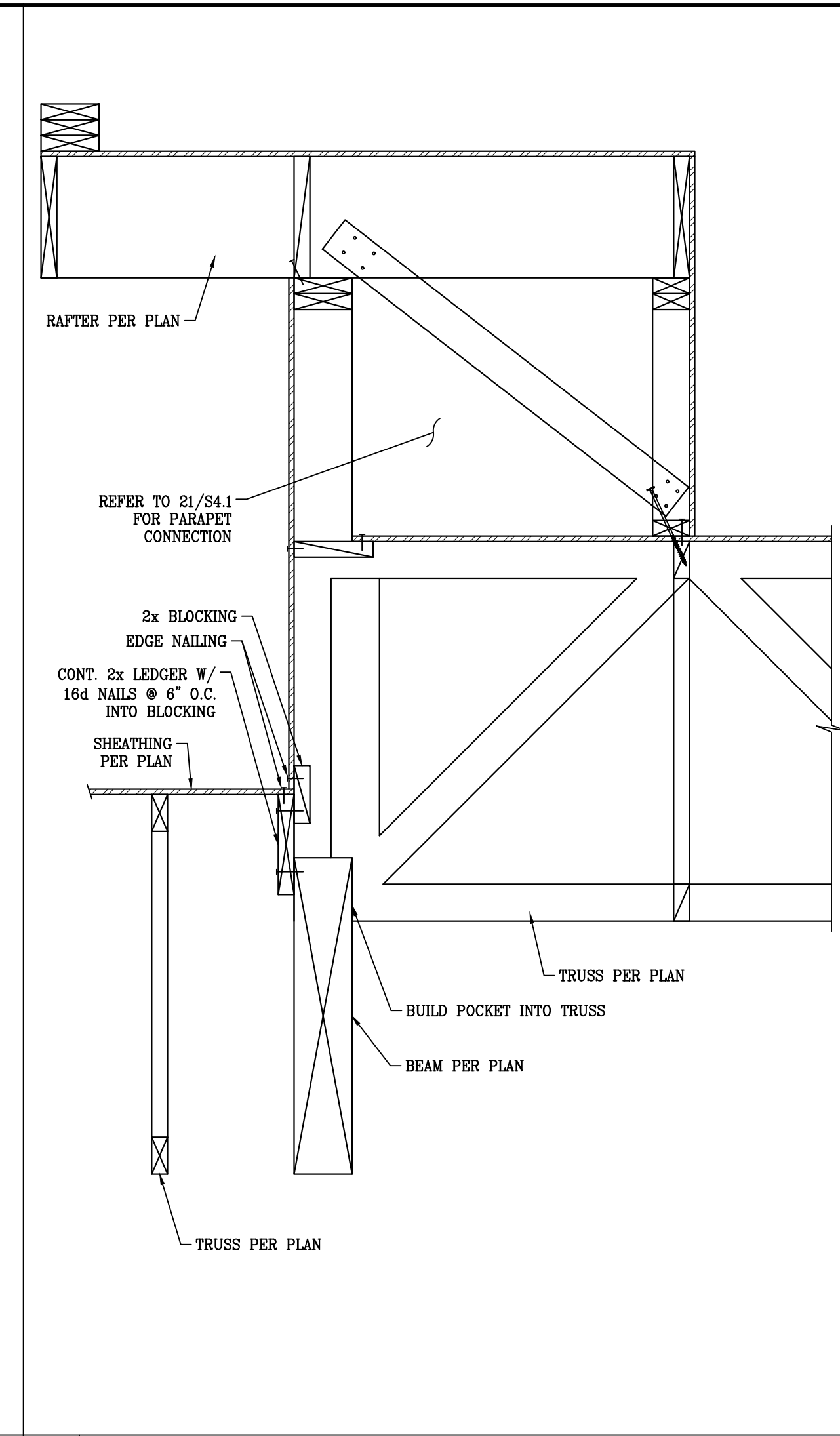
24 LIGHT DRAG CONNECTION



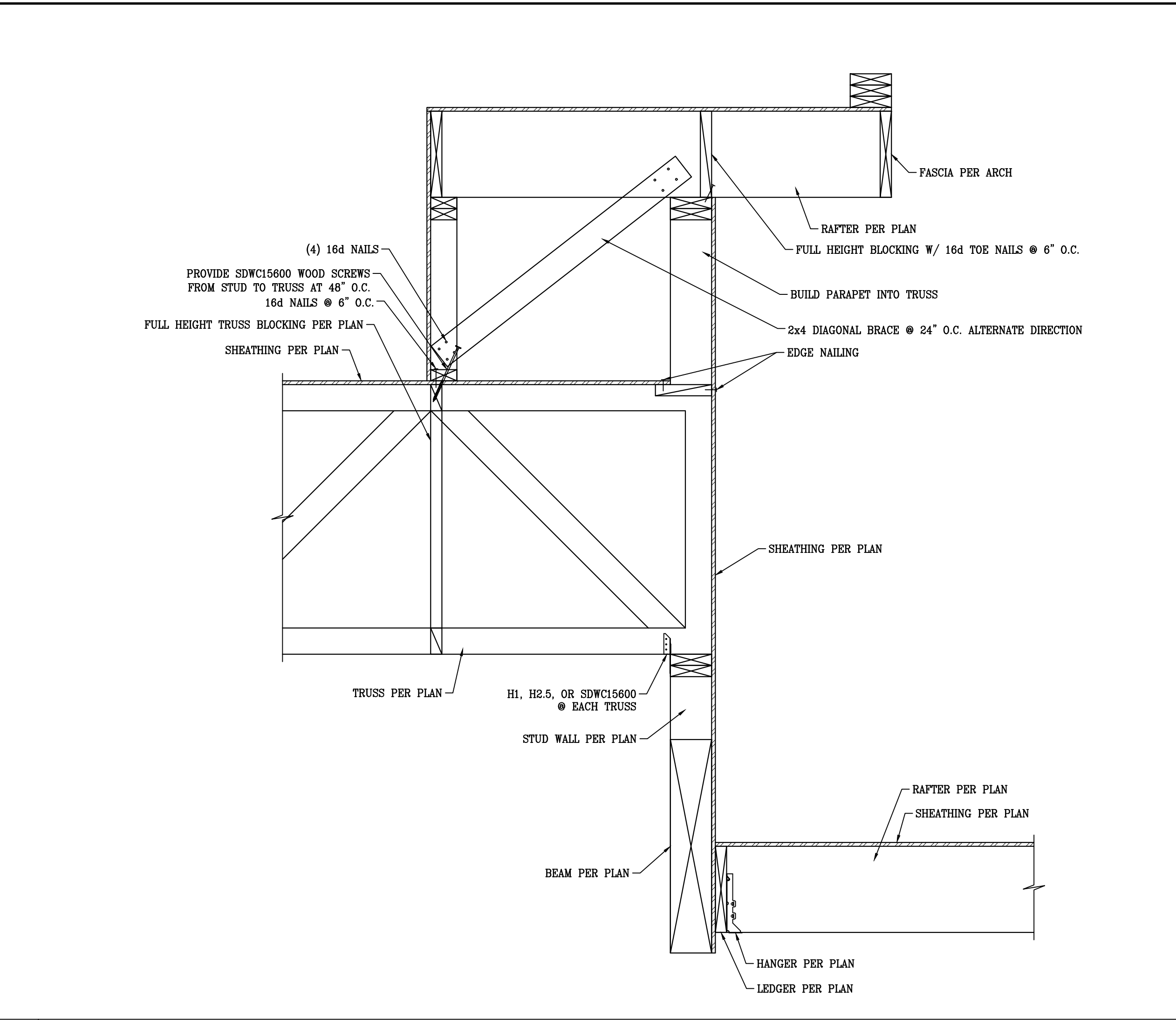
25 HEAVY DRAG CONNECTION



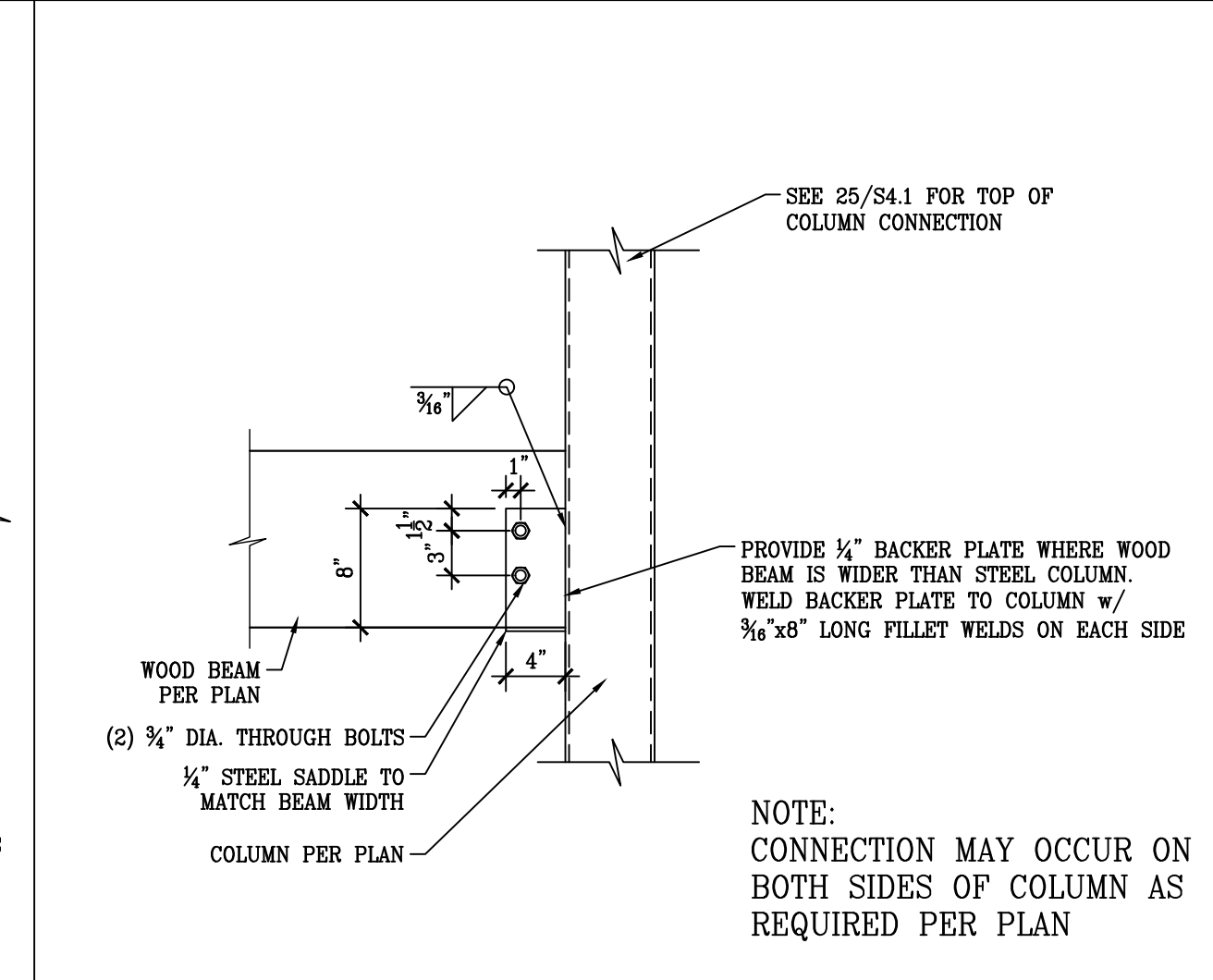
23 FRAMING SECTION



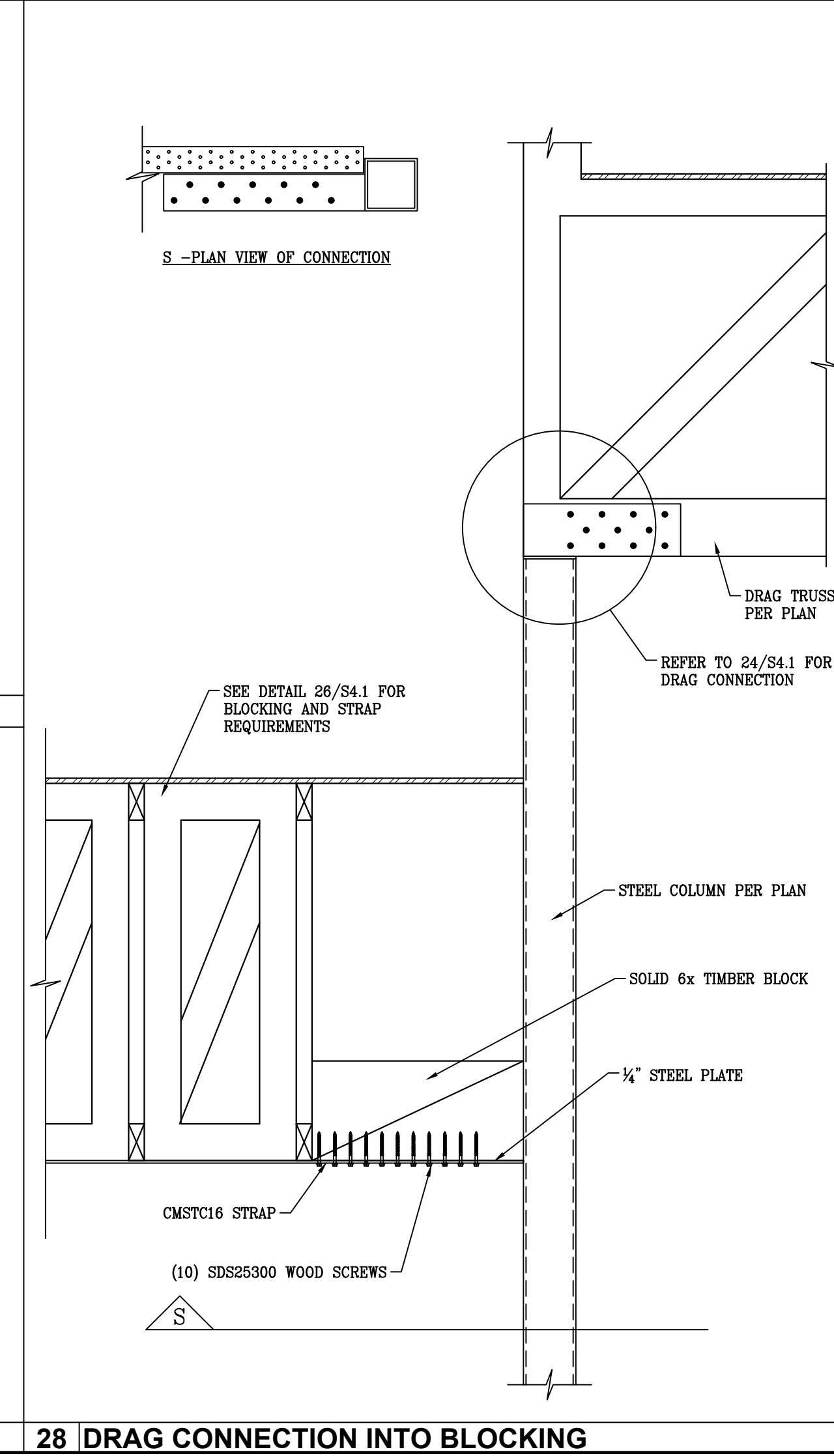
22 FRAMING SECTION



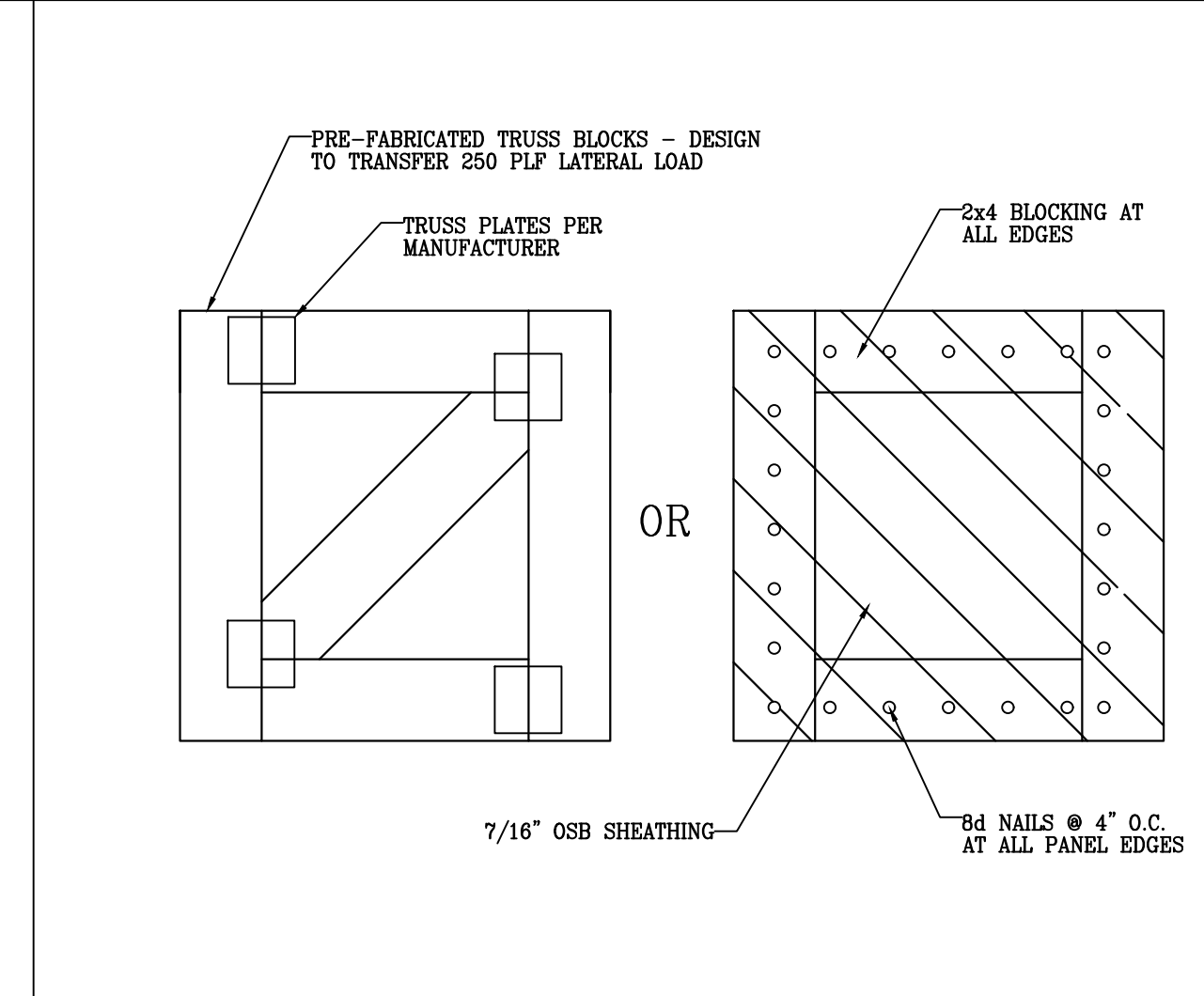
21 FRAMING SECTION



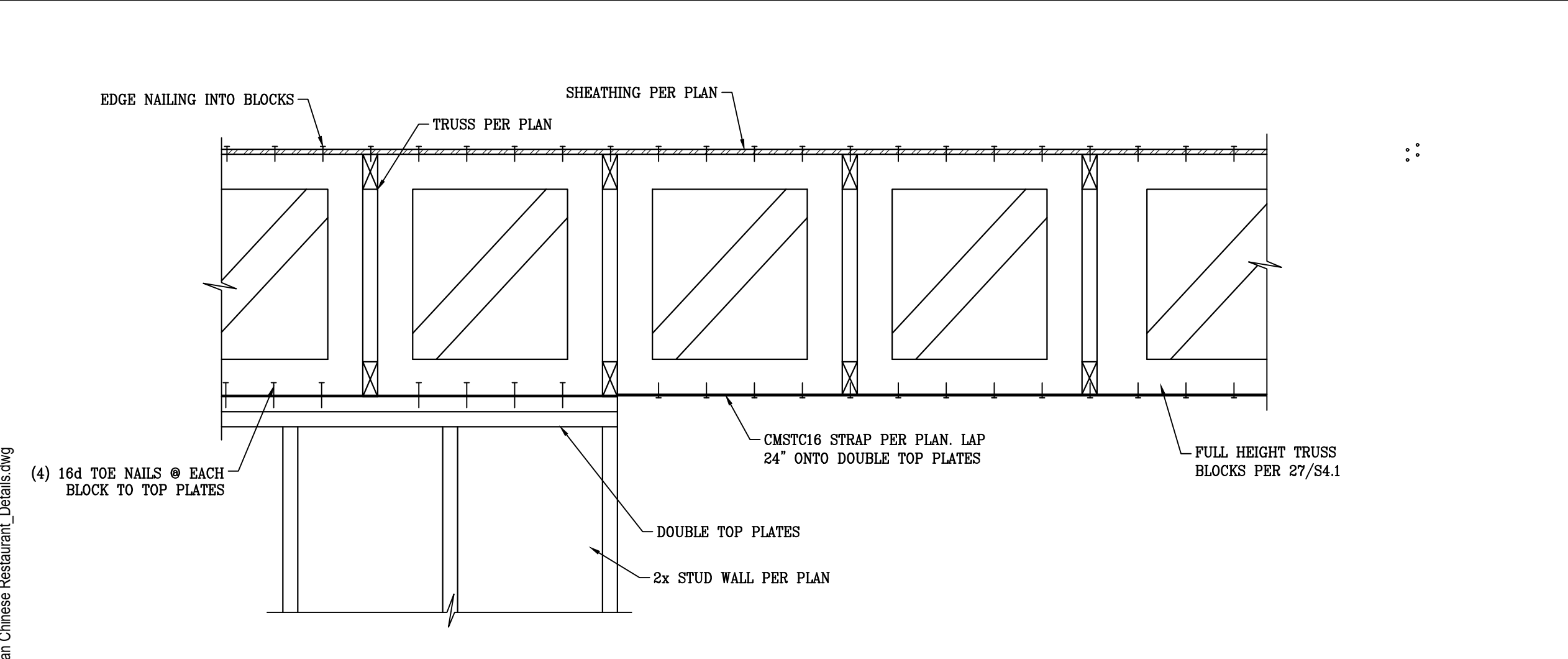
29 WOOD BEAM TO STEEL COLUMN



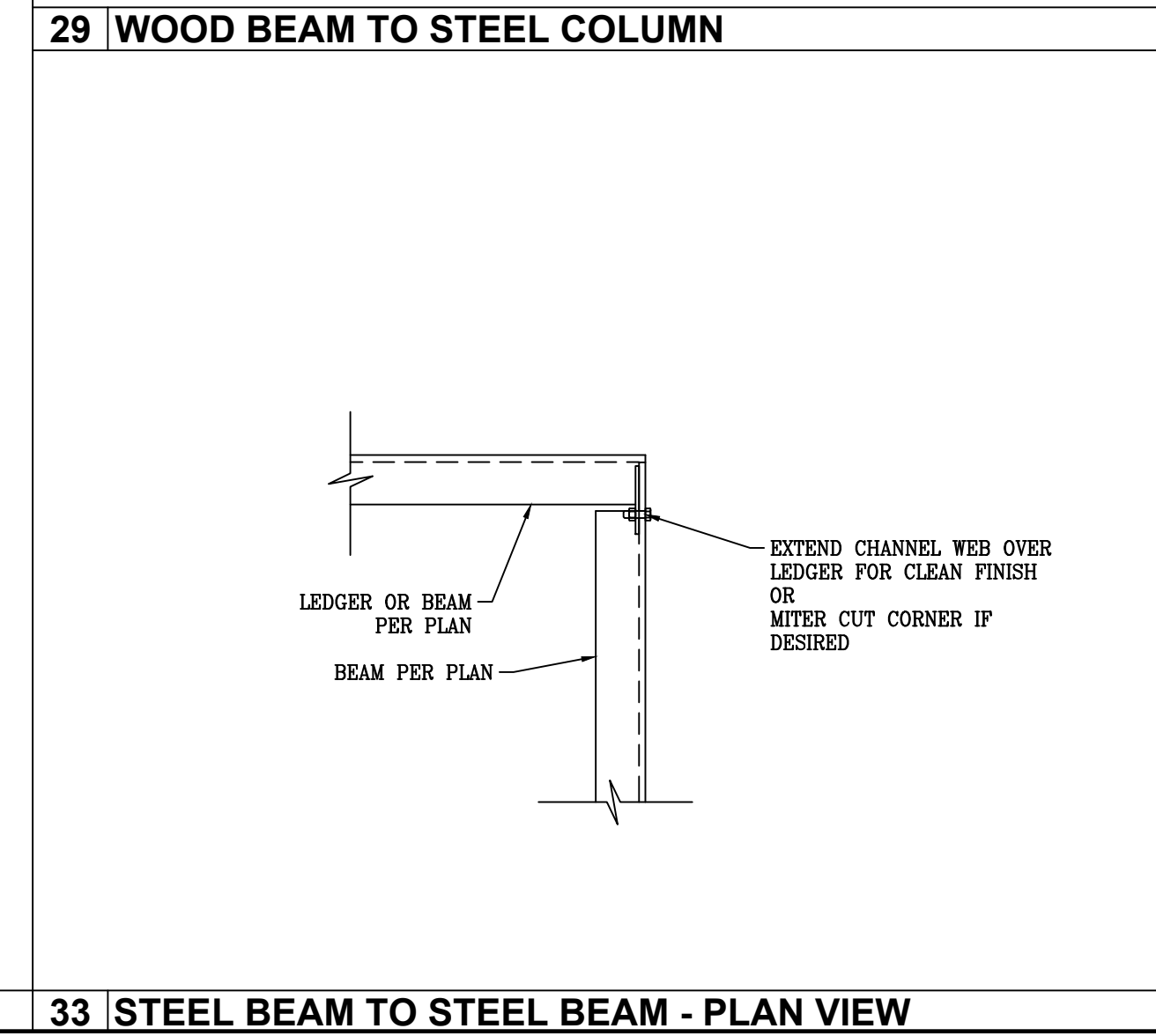
28 DRAG CONNECTION INTO BLOCKING



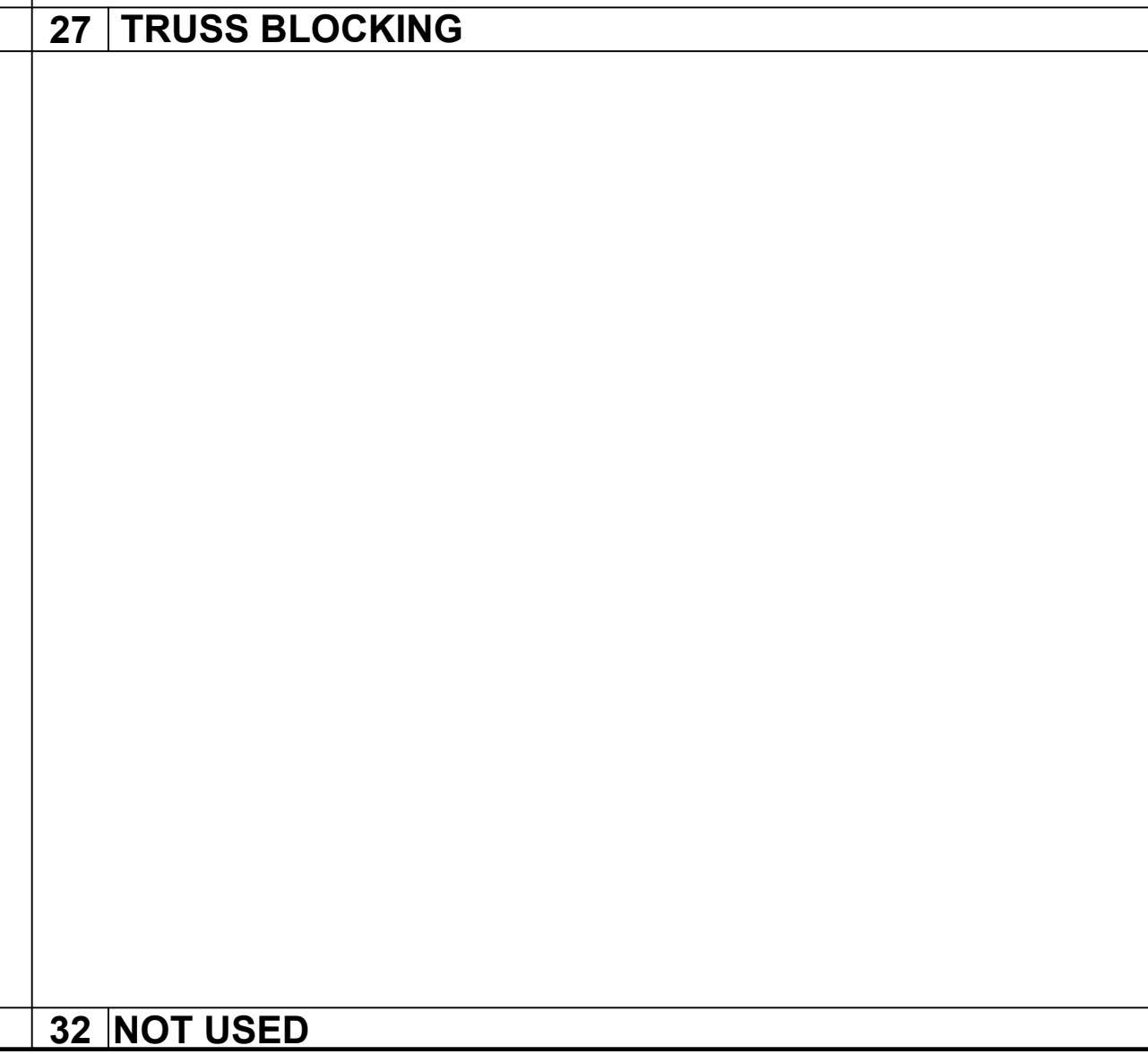
27 TRUSS BLOCKING



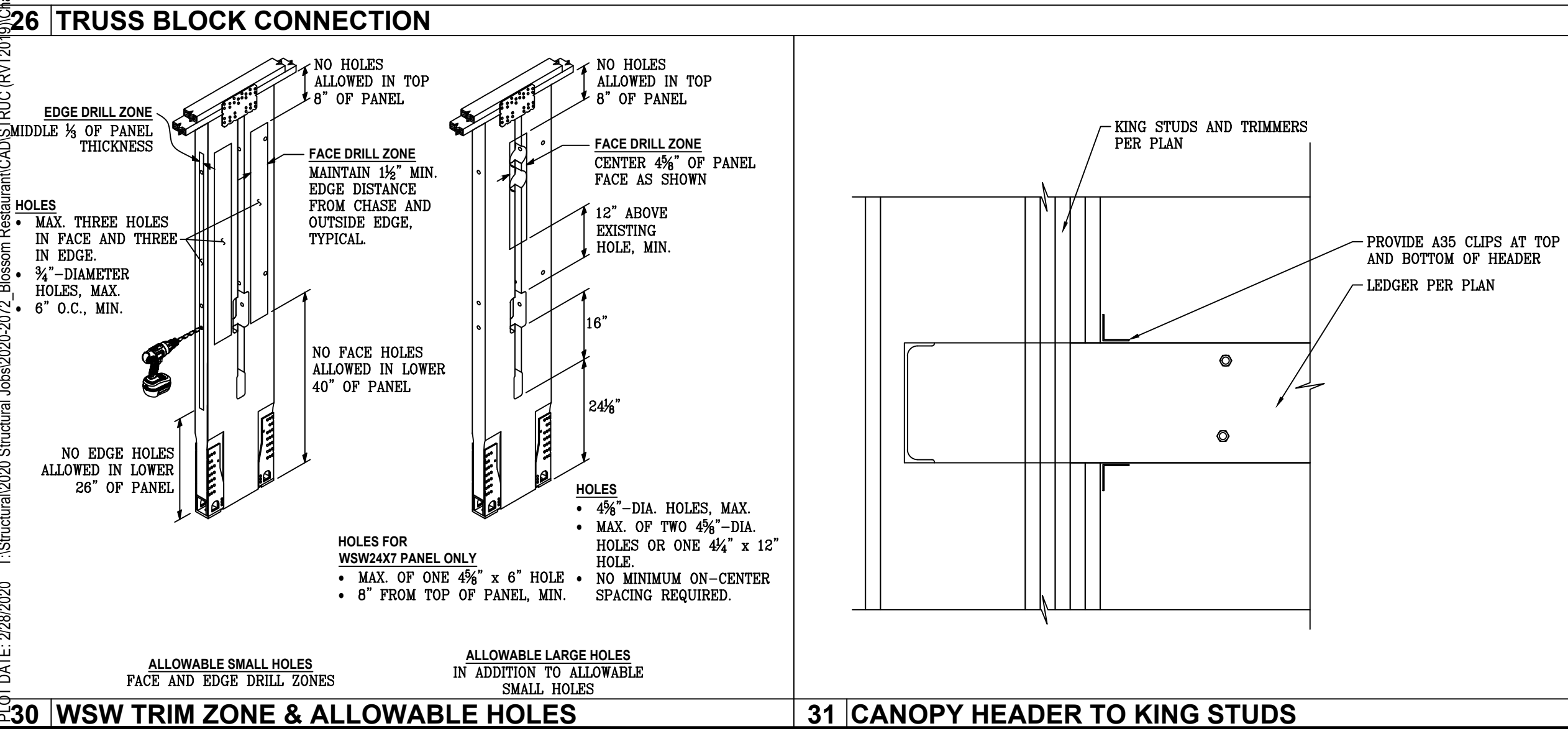
26 TRUSS BLOCK CONNECTION



33 STEEL BEAM TO STEEL BEAM - PLAN VIEW

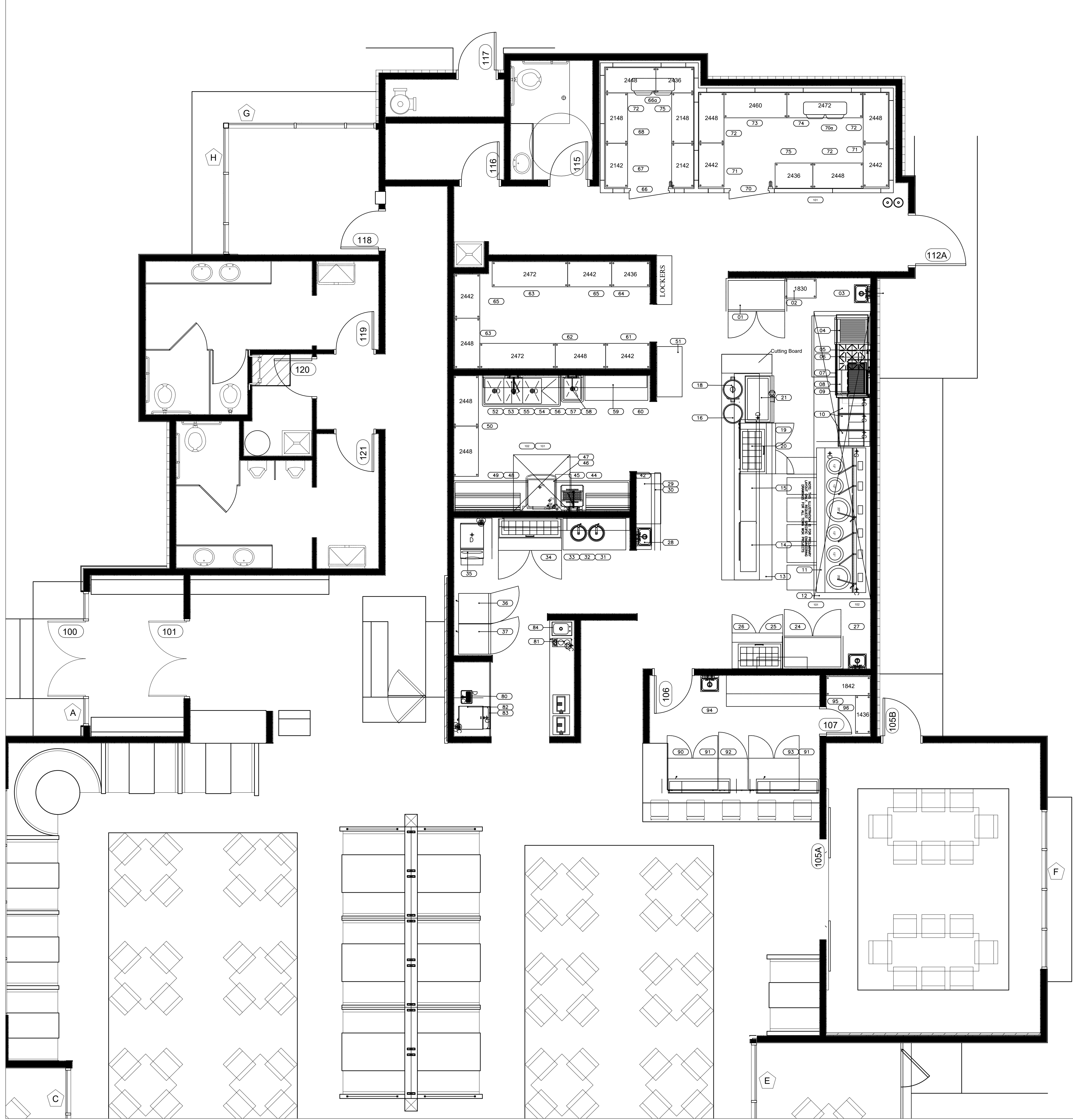


32 NOT USED



30 WSW TRIM ZONE & ALLOWABLE HOLES

DATE: 2/28/2020 1:58:08 PM C:\Users\james\OneDrive\Documents\Blossom Restaurant\_Details.rvt



TITLE: KITCHEN EQUIPMENT PLAN

JOB: Blossom



Restaurant & Store Equipment Co.  
 230 West 700 South  
 Salt Lake City, UT 84101  
 (801) 364-1981 Fax (801) 355-2029

DATE: 20191223

REVISIONS: Updated kitchen layout

DATE: 03NOV2019

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DRAWN BY: T.J.R.

DATE: -

APPROVED BY: -

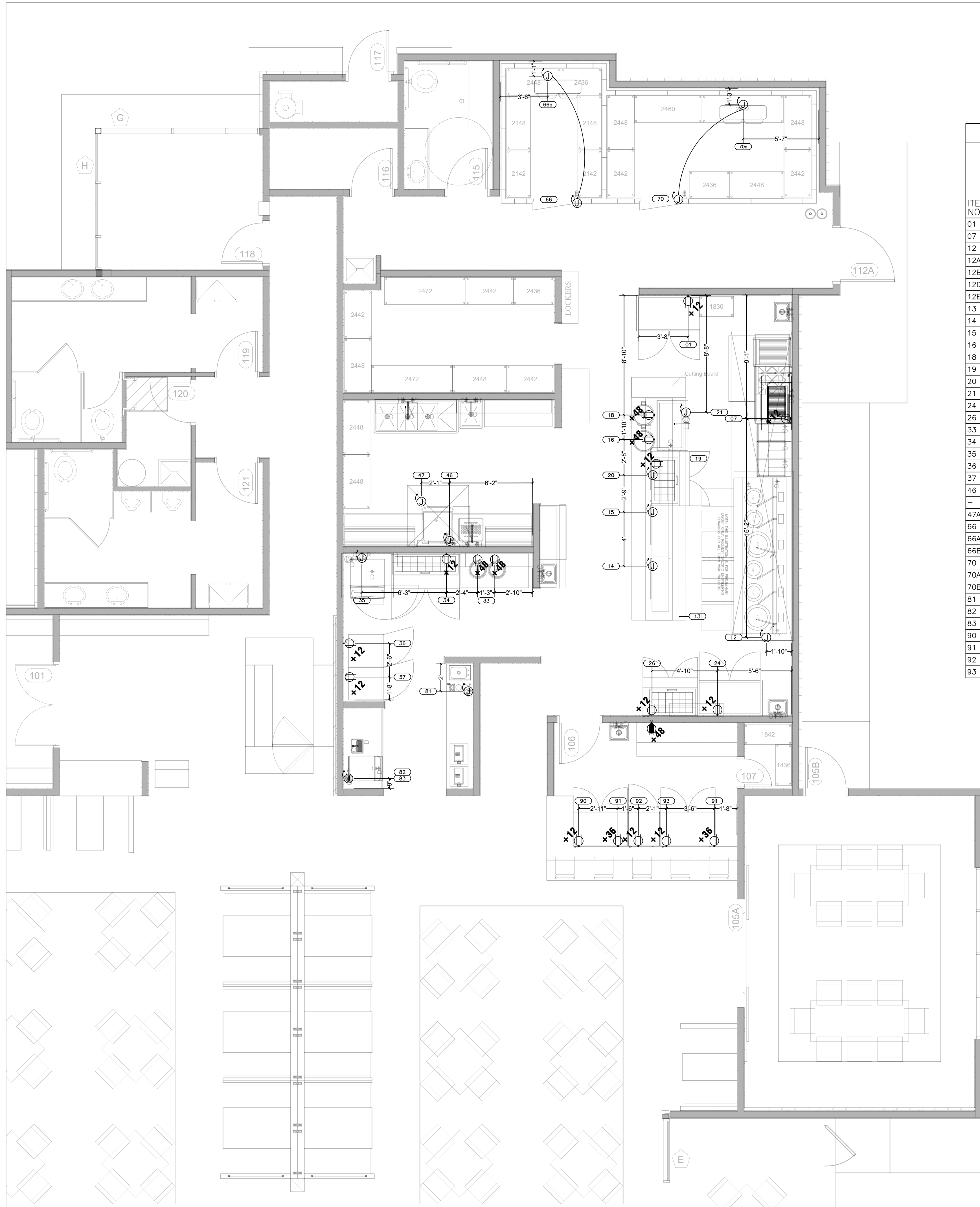
DRAWING #: K1

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

FS1

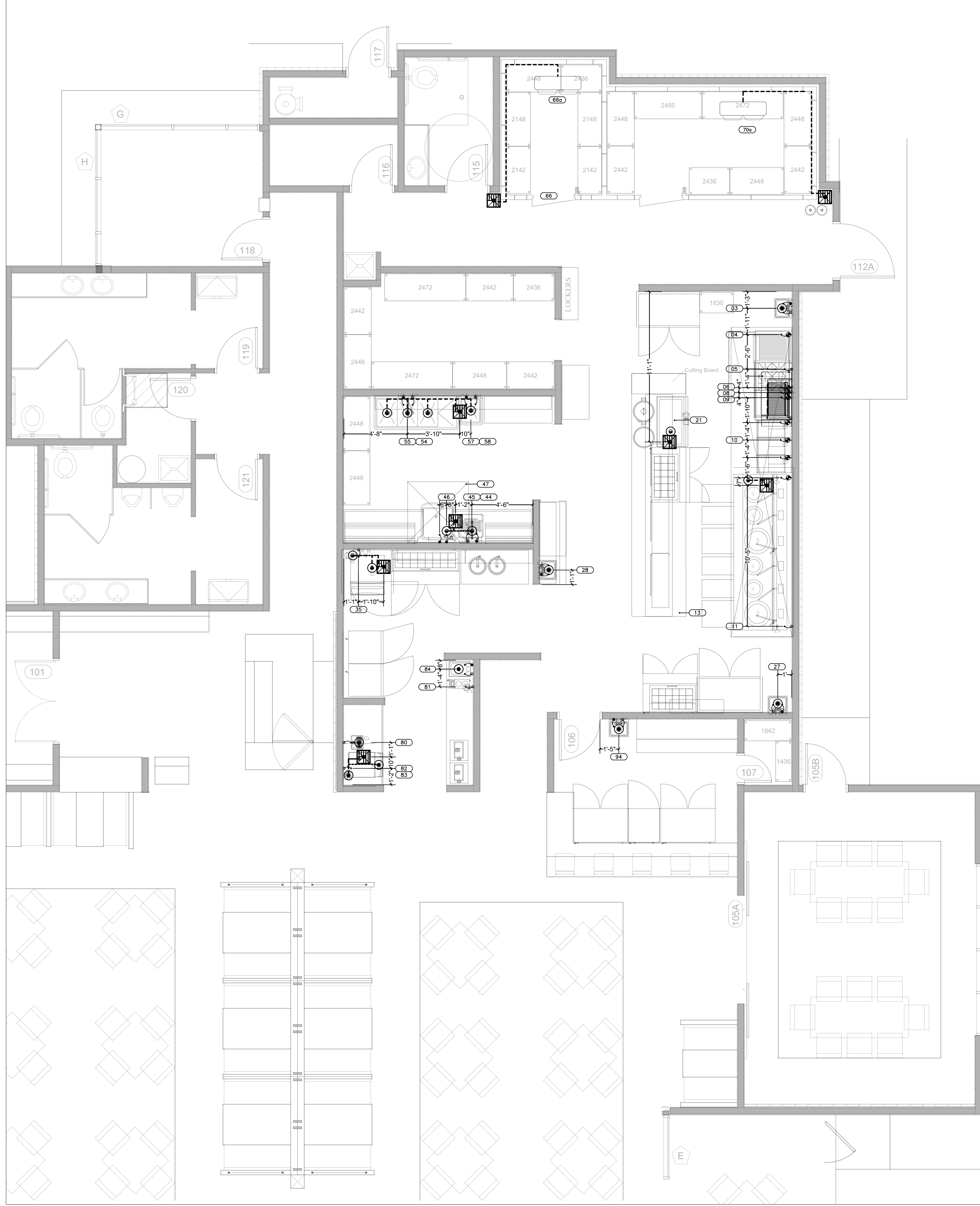






EQUIPMENT SCHEDULE															
ITEM NO	QTY	EQUIPMENT CATEGORY	EQUIPMENT REMARKS	AMPS	KW	HP	VOLTS	PHASE	CYCLE	DIRECT PLUG	NEMA	ELECTRICAL AFF (IN)	ELEC REMARKS	ITEM NO	
01	1	REFRIGERATOR, REACH-IN	-	6.0	0.7	0.3	115	1	60	-	X	5-15P	12	-	01
07	1	REFRIGERATOR, SHORTY	-	9.0	1.0	0.3	115	1	60	-	X	5-15P	12	-	07
12	1	TYPE 1 HOOD	-	15.0	-	-	120	1	60	-	X	-	DFA	-	12
12A	1	EXHAUST FAN	-	-	-	-	208	3	60	-	X	-	ROOF	-	12A
12B	1	MAKE-UP AIR UNIT (MAU)	-	-	-	7-1/2	208	3	60	-	X	-	ROOF	-	12B
12D	1	ELECTRICAL	-	21.0	-	7-1/2	200-240	3	60	-	X	-	DFA	-	12D
12E	1	FIRE SUPPRESSION	-	20.0	-	-	120	1	60	-	X	-	10B	-	12E
13	1	COUNTER W/ DOUBLE OVERSHELF	-	-	-	-	-	-	-	X	-	-	DFA	-	13
14	1	WARMER, FOOD OVERHEAD	-	11.0	2.2	-	208	1	60	X	-	-	DFA	-	14
15	1	WARMER, FOOD OVERHEAD	-	11.0	2.2	-	208	1	60	X	-	-	DFA	-	15
16	1	WARMER, RICE	-	-	8.4	-	120	1	60	-	X	5-15P	48	-	16
18	1	WARMER, FOOD OVERHEAD	-	11.0	2.2	-	208	1	60	X	-	-	DFA	-	18
19	1	REFRIGERATOR, SANDWICH/SALAD PREP	-	9.0	0.6	0.3	115	1	60	-	X	5-15P	12	-	19
20	1	WARMER, FOOD OVERHEAD	-	11.0	2.2	-	208	1	60	X	-	-	DFA	-	20
21	1	DROP-IN, HOT WELLS	-	13.0	2.7	-	208	1	60	X	-	-	24	**ATTACH TO COUNTER**	21
24	1	REFRIGERATOR, REACH-IN	-	6.0	0.7	0.3	115	1	60	-	X	5-15P	12	-	24
26	1	REFRIGERATOR, SANDWICH/SALAD PREP	-	9.0	0.6	0.3	115	1	60	-	X	5-15P	12	-	26
33	2	TUREEN/KETTLE, SOUP	-	8.0	0.9	-	120	1	60	-	X	5-15P	48	-	33
34	1	REFRIGERATOR, SANDWICH/SALAD PREP	-	8.0	1.2	0.3	115	1	60	-	X	5-15P	12	-	34
35	1	ICE MAKER/BIN, NUGGET ICE	-	17.0	-	-	230	1	60	X	-	-	70	-	82
36	1	REFRIGERATOR, REACH-IN	-	6.0	-	0.2	115	1	60	-	X	5-15P	72	-	36
37	1	REFRIGERATOR, REACH-IN	-	6.0	-	0.2	115	1	60	-	X	5-15P	72	-	37
46	1	WAREWASHER, DOOR TYPE, HIGH TEMP	-	43.0	5.0	2.0	208-240	1	60	X	-	-	72	-	46
-	-	-	-	36.0	8.5	-	208-240	1	60	X	-	-	72	-	-
47A	1	EXHAUST FAN	-	7.0	-	1/3	115	1	60	-	X	-	ROOF	-	47A
66	1	WALK-IN FREEZER	-	15.0	-	-	120	1	60	-	X	-	DFA	-	66
66A	1	BLOWER COIL	-	20.0	4.0	-	208-230	1	60	-	X	-	DFA	-	66A
66B	1	FREEZER CONDENSER - REMOTE	-	20.0	-	-	208-230	1	60	-	X	-	ROOF	-	66B
70	1	WALK-IN COOLER	-	15.0	-	-	120	1	60	-	X	-	DFA	-	70
70A	1	BLOWER COIL	-	6.0	-	0.8	208-230	1	60	-	X	-	DFA	-	70A
70B	1	COOLER CONDENSER - REMOTE	-	-	-	0.8	208-230	1	60	-	X	-	ROOF	-	70B
81	1	COFFEE MAKER, AUTOMATIC	-	20.0	2.4	-	120	1	60	X	-	-	48	-	80
82	1	ICE MAKER, NUGGET STYLE	-	9.0	-	-	115	1	60	X	-	-	70	-	82
83	1	DISPENSER, BEVERAGE/CARBONATED & NON-CARBONATED	***SEE SODA VENDOR***	-	-	-	-	-	-	-	-	-	-	***SEE SODA VENDOR***	83
90	1	REFRIGERATOR, UNDERCOUNTER, ADA	-	3.0	0.6	0.2	115	1	60	-	X	5-15P	12	-	90
91	1	DISPLAY CASE, REFRIGERATED, SUSHI	-	1.0	-	-	115	1	60	-	X	5-15P	12	-	91
92	1	FREEZER, UNDERCOUNTER	-	9.0	0.6	0.3	115	1	60	-	X	5-15P	12	-	92
93	1	DISPLAY CASE, REFRIGERATED, SUSHI	-	1.0	-	-	115	1	60	-	X	5-15P	24	-	93

TITLE: KITCHEN ELECTRICAL PLAN  
 JOB: Blossom  
 DATE: 20200130  
 REVISIONS: initial electrical layout  
 DATE: 03NOV2019  
 DRAWN BY: T.J.R.  
 CHECKED BY: K1  
 SCALE: 1/4" = 1'-0"  
 RESTAURANT & STORE EQUIPMENT CO.  
 230 West 700 South  
 Salt Lake City, UT 84101  
 (801) 364-1981 Fax (801) 355-2029  
 FS3



EQUIPMENT SCHEDULE																
ITEM NO	QTY	EQUIPMENT CATEGORY	EQUIPMENT REMARKS	C. COLD WATER SIZE (IN)	C. COLD WATER AFF (IN)	H. HOT WATER SIZE (IN)	H. HOT WATER AFF (IN)	D. DIRECT DRAIN SIZE (IN)	D. DIRECT DRAIN AFF (IN)	I. INDIR DRAIN SIZE (IN)	I. INDIR DRAIN AFF (IN)	S. SINK SIZE (IN)	I. MBTU/H	G. GAS AFF (IN)	PLUMBING REMARKS	ITEM NO
03	1	HAND SINK, WALL MOUNT		0.5	20							0.75	72	12		03
04	1	BROILER, UNDER-FIRED, GAS, COUNTER										0.75	132	12		04
05	1	FAUCET, WALL MOUNT										0.75	60	60		05
06	1	HOT PLATE, GAS										0.75	50	12		06
08	1	GRIDDLE, GAS										0.75	122	12		08
09	1	SALAMANDER BROILER, GAS										0.75	50	12		09
10	3	FRYER, DEEP FAT, GAS										0.75	122	12		10
11	1	WOK RANGE		0.5	20							1.25	822	12		11
12B	1	MAKE-UP AIR UNIT (MAU)		1/2	ROOF							1	80	ROOF		12B
21	1	DROP-IN, HOT WELLS														21
27	1	HAND SINK, WALL MOUNT		0.5	20	0.5	20	1.5	18							27
28	1	HAND SINK, WALL MOUNT		0.5	20	0.5	20	1.5	18							28
35	1	ICE MAKER/BIN, NUGGET ICE		0.5	72						0.5	FS				35
44	1	DISHTABLE, STRAIGHT, 14 GAUGE						1.5	24							44
45	1	PRE-RINSE FAUCET, WALL MOUNT		0.5	20	0.5	20									45
46	1	WAREWASHER, DOOR TYPE, HIGH TEMP				0.75	48			1.5	FS					46
47	1	HOOD, TYPE 2														47
54	1	SINK, NSF, 3 COMP, 16 GAUGE									1.5	FS				54
55	1	PRE-RINSE FAUCET, WALL MOUNT		0.5	20	0.5	20									55
57	1	SINK, NSF, 1 COMP, 16 GAUGE									1.5	FS				57
58	1	FAUCET, WALL MOUNT		0.5	20	0.5	20									58
66A	1	BLOWER COIL								0.5	FS					66A
70A	1	BLOWER COIL								1.25	FS					70A
80	1	WATER STATION		0.5	20	0.5	20			1.25	FS					80
81	1	COFFEE MAKER, AUTOMATIC		0.25	20											81
82	1	ICE MAKER, NUGGET STYLE		0.38	48					0.5	FS					82
83	1	DISPENSER, BEVERAGE/CARBONATED & NON-CARBONATED	***SEE SODA VENDOR***												***SEE SODA VENDOR***	83
84	1	SINK, DROP-IN		0.5	20	0.5	20			1.5	FS					84
94	1	HAND SINK, WALL MOUNT		0.5	20	0.5	20	0.5	18							94

TITLE: KITCHEN PLUMBING PLAN  
 JOB: Blossom  
 DATE: 20200203  
 REVISIONS: initial plumbing layout  
 DATE: 03NOV2019  
 DRAWN BY: T.J.R.  
 DRAWING #: K1  
 SCALE: 1/4" = 1'-0"

**Resco**  
 Restaurant & Store Equipment Co.  
 230 West 700 South  
 Salt Lake City, UT 84101  
 (801) 364-1981 Fax (801) 355-2029

FS4

**Part 1 – General**

- The mechanical contractor shall be an experienced firm regularly engaged in the installation of commercial mechanical systems in accordance with local codes. The owner's representative may reject any proposed contractor who cannot show evidence of such qualifications.
- Visit the jobsite prior to bidding, prior to material fabrication and prior to equipment procurement to become familiar with the existing conditions, interferences and any discrepancies.
- The mechanical contractor shall provide all labor, material, equipment, equipment supports, diffusers and grilles for the HVAC systems finish as required to ensure a complete and operable HVAC system. Furnish all paint, labor, equipment, appliances and materials, and perform all operations in connection with the installation of the heating, ventilation, and air conditioning systems in strict accordance with the drawings. Successful, trouble-free operation of vibration-free system is a prerequisite.
- The mechanical contractor shall schedule all work so as not to interfere and/or disrupt the daily activities and/or operating hours of nearby buildings. Coordinate as required with the general contractor and the owner's representative.
- The mechanical contractor shall obtain and pay for all fees and permits relating to his work.
- The new HVAC systems shall be installed in accordance with state and local codes, OSHA, NFPA, SMACNA and ASHRAE guidelines.

**Part 2 – Ductwork**

- All duct shall be fabricated from galvanized steel in accordance with SMANCA standards and requirements. Nonmetallic ductwork shall not be used. Concealed supply and return ductwork shall be galvanized steel.
- Provide flexible connectors between ductwork and HVAC equipment (air handling equipment).
- All new rectangular supply and return air ductwork shall have 1" thick acoustic duct liner insulation. Duct dimensions shown on the drawings represent inside duct size.
- Manual balancing dampers shall be opposed blade type, galvanized steel, and shall have locking quadrant operators or extended concealed ceiling operators where access is limited and/or at gypsum board ceilings.
- Provide turning vanes in all new rectangular supply and return air ductwork elbows. Proved volume dampers with locking quadrants at each new supply air branch take-off, seal all duct joints. Where the volume damper is not accessible, provide young No. 817A or 617B, consisting of a 3/8" square shaft, and a 3/8" regulator (length as required) for operating the volume damper from suspended ceiling.
- The new duct lining shall be one inch thick fiberglass, 1-1/2 pounds per cubic foot density, noise attenuation factor of NRC = 0.70 with air stream surface faced with a black coated matte.
- The required fire hazard classification is: flame spread not over 25, fuel contributed not over 50, smoke developed not over 50 when tested in accordance with ASTM E84

Duct Size:	Gauge:	Support:	Spacing:
12" and under	26 GA.	(2) 1" X 22 GA. Straps	Every 10 Ft.
13" to 30"	24 GA.	(2) 1" X 18GA. Straps	Every 10 Ft.
31" to 40"	22 GA.	(2) 1" X 18GA. Straps	Every 10 Ft.
40" and over	20 GA.	(2) 1" X 18GA. Straps	Every 10 Ft.

**Part 3- Ductwork Insulation**

- All rectangular supply and return ductwork in the ceiling space shall have acoustic duct liner insulation. All round rigid metal take-off ductwork in the ceiling space shall have 1" thick external duct-wrap insulation with vapor barrier.
- The finish duct lining shall be one inch thick fiberglass, 1-1/2 pounds per cubic foot density, noise attenuation factor of NRC =0.10 with the air stream surface faced with a black coated matte.
- The duct-wrap insulation shall be one inch thick fiberglass 1-1/2 pounds per cubic foot density, noise attenuation factor of NRC =0.70.
- The duct-wrap insulation shall have a thermal conductance of 0.24 BTUH per square foot per degree F. at a mean temperature of 50 degrees f.
- The required fire hazard classification is: flame spread not over 25, fuel contributed not over 50, smoke developed not over 50 when tested in accordance with ASTM E84.
- Insulated flexible ductwork meeting class 1 requirements of NFPA 90A and U.L. labeled may be used only at the ceiling diffuser connections in the concealed ceiling space areas and shall be insulated with 1" thick fiberglass insulation with vapor barrier with a flame spread rating of 25 or less and a smoke developed rating of 50 or less when tested in accordance with ASTM E84, and shall be limited to 5-feet in length.
- Approved acoustic duct liner manufacturers are:
  - Johns-Manville "Linacoustic"
- Approved external insulation manufacturers are:
  - Manville MicroLite FSK
  - CSG Type IV Standard Duct Insulation
  - Owens Corning FRK
  - Knauf (Duct Wrap FSK)
- Install insulation in a neat and workmanlike manner with no fishtails. Finish shall be smooth with all joints properly taped, insulation shall be full thickness uncompressed except where required to pass structural interferences.

**Part 4 – Line Voltage Wiring**

- Line voltage wiring and conduit is by the electrical contractor shall furnish and disconnect switches that are not provided with the mechanical equipment as required for the HVAC equipment. Coordinate as required with the electrical contractor and the general contractor.

**Part 5 – Temperature Controls and Wiring**

- Automatic temperature controls and associated conduit and control wiring shall be by the mechanical contractor provide all devices, components, conduit, control wiring as required to ensure complete operable automatic temperature control systems. New furnace unit shall have new programmable thermostats with automatic changeover and night set-back control. New unit heaters shall have heating thermostats with summer fan switch control.
- Verify thermostat rough-in locations as shown on the mechanical plan drawing with the owner's representative prior to rough-in installation.
- All temperature controls are to be tested, adjusted and calibrated for proper operation
- Refer to the mechanical equipment schedule for additional temperature control requirements.

**Part 6 – Installation**

- Coordinate the new HVAC equipment locations with the building structure, the owner's representative, architect, structural engineer, and the general contractor as required prior to installation
- Coordinate the equipment, controls and cutwork installations with the other trades, plumbing piping, conduit, etc., coordinate the ceiling diffuser return air grilles and exhaust grille locations, with the electrical drawings and the architectural reflected ceiling plan. Route the ductwork so as not to interfere with the structure or the removing and services of light fixtures. Changes required as a result of neglect to coordinate interferences will be made at the mechanical contractor's expense.
- Run all new ductwork as tight as possible to the bottom of the structure in the dropped ceiling space in order to maintain the finished ceiling heights as schedules on the architectural drawings. Verify the duct height dimensions with available ceiling space and modify the duct sizes if necessary (keeping the same duct area as shown on the mechanical drawings – duct height dimension shall not be less than 8") to accommodate any interferences. Coordinate the new ductwork in the space with conduit and piping. Field verify the routing of ductwork and equipment and piping.
- Locate all exhaust air outlets and flue vents 10'-0" minimum distance from mechanical equipment outside air intakes.
- It is understood that while drawings are to be followed as closely as circumstances permit. The mechanical contractor will be held responsible for installation of systems according to the true intent and meaning of contract documents. Anything not clear or in conflict will be explained by making application to architect. Should condition arise where certain changes would be advisable secure approval of those changes before proceeding with work. Arrange ducts and equipment to permit ready access to valves, unions, traps, starters, motors, control components, and to clear opening of doors and access panels.
- Furnish and install hangers and supports required by the mechanical contractor unless otherwise noted. Furnish sleeves, supports, and equipment that are integral part of other contractor's work in sufficient time to be built into construction as the work proceeds. Locate these items and see that they are properly installed. Expense resulting from improper location or installation of items above shall be borne by the mechanical contractor.
- Adjust the location of the finish ducts, equipment, etc., to eliminate interference anticipated and encountered. Determine exact route and location of ductwork prior to fabrications. Make offsets, transitions, and changes in direction of ducts as required to maintain proper clearances whether or not indicated on the drawings. Furnish and install fittings as required to effect these offsets, transitions, and changes in direction.
- Ensure the new HVAC equipment to be furnished along with the ductwork fit in space available. Make necessary field measurements to ascertain and space requirements including those for connections and furnish and install equipment of size and shape so that final installation reflects true intent and meaning of contract documents.
- Follow manufacturer's direction in delivery, storage, protection, and installation of equipment and materials. Promptly notify architect and/or owner's representative in writing of conflicts between requirements of contract documents and manufacturer's directions and obtain architect's and/or owner's representative written instruction before proceeding with work. Bear expenses for correcting deficiencies of work that do not comply with manufacturer's directions or written instructions.
- Deliver equipment and material to site and tightly cover and protect against dirt, water, and chemical or mechanical injury. Equipment and material shall be readily accessible for inspection. Store items subject to moisture damage (such as controls) in a dry heated space.
- All mechanical equipment shall be isolated from the structure with either vibration isolation pads or spring type isolators as applicable to the installation, whether motor is internally isolated or not.
- Contractor to verify and provide mechanical piping for heating and cooling systems to be thermally insulated per IECC C403.2.10. Mechanical Contractor to verify maximum and minimum temperatures of the mechanical piping so minimum insulations requirements can be met.

**Part 7 – Submittals**

- By description, catalog number and specific designation, standards are established for manufactured items such as specialties, fixtures and equipment which the contractor shall furnish as required by this section. Prior to approval is required for substitution of equipment and materials prior to bid. Substitution of products shown shall be submitted to the architect, the owner's representative or engineer for written approval.
  - Acceptable HVAC equipment manufacturers are: York, Carrier, Lennox and Trane.
- Shop drawings and up-to-date engineering data sheets and catalog information shall be furnished on the following items of equipment. Provide (6) copies for review.
  - HVAC equipment
  - Automatic temperature controls.
  - All diffusers, grilles, etc.
  - Ductwork fabrication methods.
  - Exhaust fans.

**Part 8 – Filters**

- Install throw-away filters at the new furnace heating and cooling unit after system start-up. Install 30% efficient 2-inch thick pleated filters – size and quality shall be in accordance with the equipment manufacturer's written instructions.

**Part 9 – Cutting and Patching**

- The general contractor shall be responsible for required cutting, and patching incident to work for this division the cost of which shall be paid for by the mechanical contractor. The general contractor shall make required repairs afterwards to satisfaction of architect and/or owner's representative. Cut carefully to minimize necessity for repairs to existing work. Do not cut beams, columns or trusses. Patch and repair walls, floors, ceiling, and roofs with materials of same quality and appearance as adjacent surfaces unless otherwise shown. Surface finishes shall exactly match existing finishes of same materials.
- The mechanical contractor shall bear expense of cutting, patching, repairing, and replacing of work of other contractors required because of its fault, error, tardiness, or because of damage done by mechanical contractor.

**Part 10 – Fire Assembly Penetrations**

- Coordinate requirements with the electrical contractor, general contractor, architect, the owner's representative and the local authorities having jurisdiction.
- Provide U.L. fire penetration system number WL1002, FC1002, FC2008, FC3001 or FC1001 for combustible construction or system number WL1002, WL2002, FA5001, or FA8001 for non-combustible construction of the U.L. building materials directory and as required by the authorities having jurisdiction.
- All penetrations through fire rated assemblies shall comply with U.L. fire resistance directory, latest adopted edition.
- Provide U.L. listed fire dampers with fusible links constructed to U.L. Standard 33 and U.L. listed fire/smoke dampers with smoke detectors conforming to NFPA 90A and meeting UL555 requirements as required y state and local codes, including any additional fire dampers and/or fire/smoke dampers with smoke detectors that may be required, even if not shown on the mechanical drawings. Provide firestop system as required by local codes and ordinances.
- Provide smoke detectors and wiring control as required for operation of fire/smoke dampers.

**Part 11 – Seismic Bracing**

- The mechanical contractor shall furnish and install required seismic bracing, restraints, equipment isolators, etc. for his installed equipment. All of which shall comply with PPIC and SMACNA guidelines for the local seismic zone requirements and in accordance with the authorities having jurisdiction.

**Part 12 – As-Built Drawings**

- The mechanical contractor shall keep a record set of drawings neatly marked with all changes from the original design and drawings. These drawings shall be delivered to the architect and/or owner's representative at the completion of the project and prior to receiving final payment.

**Part 13 – Check, Test and Start-Up**

- The Mechanical contractor shall provide material and labor required to perform start-up of each respective item of equipment and system prior to the beginning of test, adjust and balance procedures. Submit start-up report to the architect and/or owner's representative.

**Part 14 – Testing, Adjusting and Balancing.**

- The Mechanical contractors shall pay for the services of an independent air balancing contractor who is certified and approved by the architect and/or the owner's representative prior to bidding to perform testing adjusting and balancing of new HVAC systems Submit air balance report and AABC standards for field measurement & instruction, latest adopted edition.
- The mechanical contractor shall make changes to pulleys, belts and dampers as recommended by the balancing contractor.

**Part 15 – Equipment Identification**

- Equipment identification: Signs made of laminated plastic with 1/8" or larger engraved letters. Signs shall e securely attached by rust proof screws or some other permanent means.
- All HVAC equipment shall have equipment identification. Information on the signs shall include: mechanical equipment schedule symbol, name of equipment, rating, electrical characteristics and any other important data.

**Part 16 – Operation and Maintenance Manuals**

- Provide three (3) sets of bound operation and maintenance manuals covering all new HVAC equipment for the owner's use. O&M manuals shall have the following format:
  - Size: 8-1/2" X 11"
  - Paper: Manufacturer's printed data, or neatly type written.
  - Provide reinforced punched binder tab, bind in with text.
  - Provide fly-leaf for each separate product, or each piece of operating equipment. Provide typed description of product, and major component parts of equipment, provide indexed tabs.
  - Cover: Identify each volume with typed or printed title: "Operation and Maintenance instruction". List title of project, identity of general subject matter covered in the manual.
  - Binders: Commercial quality three-ring binders with durable and cleanable plastic covers.
  - Provide neatly typewritten table of contents, list contractor name, address and phone number. List each product by product name and other identifying symbols as set forth in contract documents.
  - Include copy of each warranty, bond and service chart with maintenance schedule, temperature control diagrams, sequence of operation and provide logical sequence of instruction for each procedure.

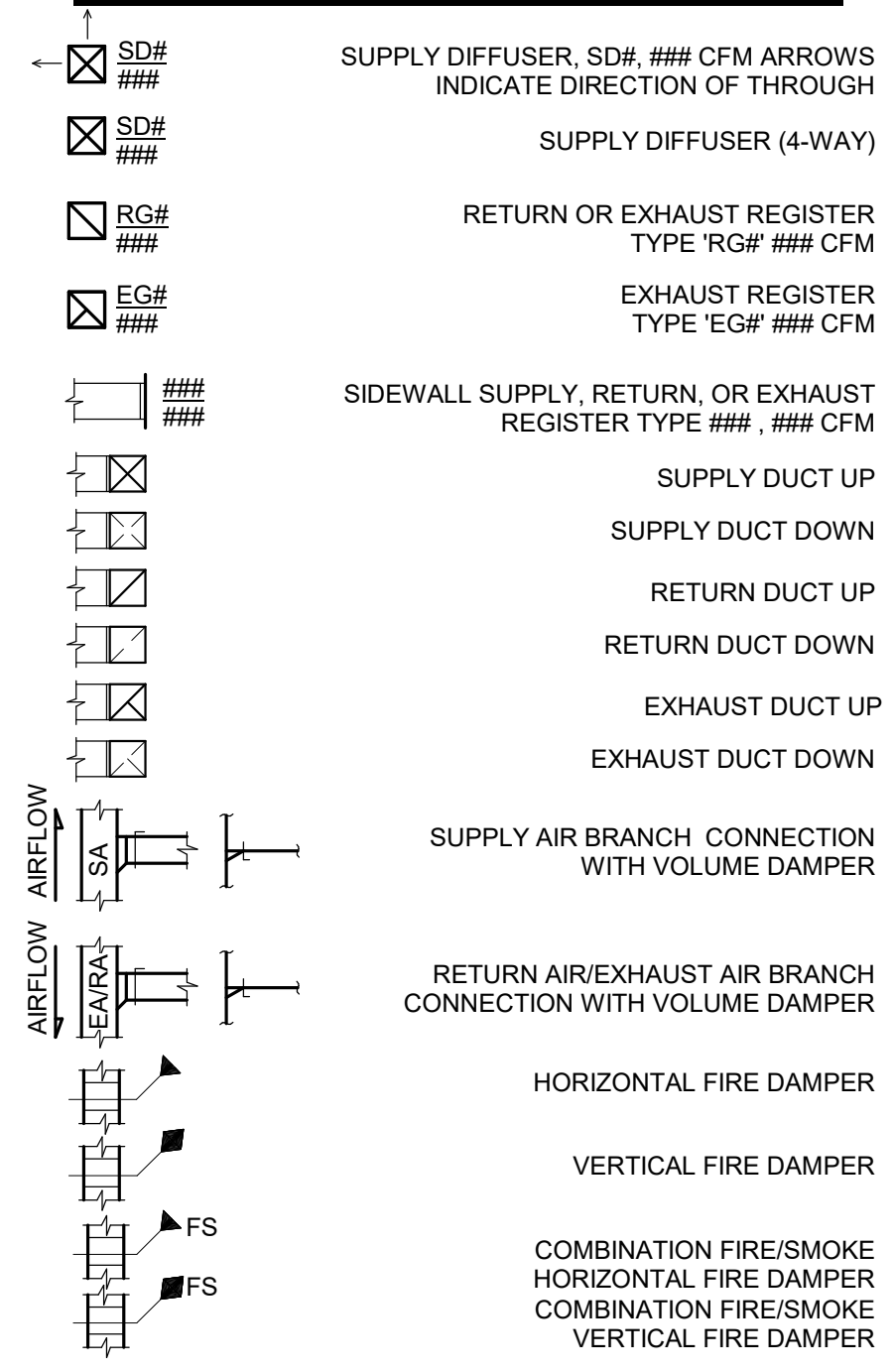
**Part 17 – Instructions**

- Prior to final inspection or acceptance, fully instruct the owner's designated operation and maintenance personnel in the operation, adjustment and maintenance of products, equipment and systems. (Minimum 2-hours instruction required or more if requested by the owner's representative).

**Part 18 – Warranty and Guarantee**

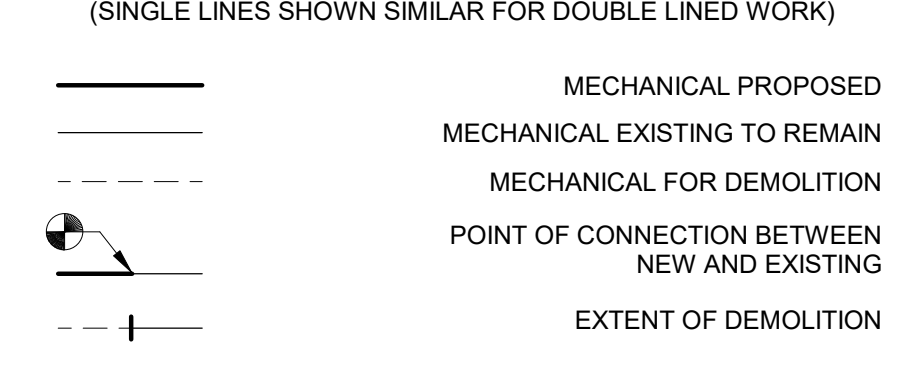
- The mechanical contractor shall provide one (1) year parts and labor warranty for his installed work and HVAC equipment after equipment start-up and the owner's representatives acceptance. Should any trouble develop during this period due to defective materials or faulty workmanship the contractor shall furnish all necessary labor and materials to correct the trouble without any additional cost. Any materials found to be defective during the guarantee period shall be corrected immediately to the entire satisfaction of the owner.

## MECHANICAL SYMBOLS



## MECHANICAL PHASING

(SINGLE LINES SHOWN SIMILAR FOR DOUBLE LINED WORK)



## MECH. ABBREVIATIONS

EXISTING	(E)
ABOVE FINISHED FLOOR	AFF
AIR HANDLING UNIT	AHU
BRITISH THERMAL UNIT	BTU
COMBUSTION AIR	CA
CUBIT FEET PER MINUTE	CFM
CONDENSING UNIT	CU
CABINET UNIT HEATER	CUH
DN	DN
EA	EA
EXHAUST AIR	EX
EXHAUST VENTILATOR	EV
FAN COIL UNIT	FCL
HORSE POWER	HP
KILOWATT	KW
1,000 BTU'S	MBH
NATURAL GAS	NG
OUTSIDE AIR	OA
PACKAGED TERMINAL AIR CONDITIONER	PTAC
RETURN AIR	RA
REFRIGERANT	REF
RETURN GRILLE	RG
RADIANT HEATER	RH
ROOF TOP UNIT	RTU
SUPPLY AIR	SA
SUPPLY DIFFUSER	SD
SUPPLY GRILLE	SG
TRANSFER GRILLE	TG
12,000 BTU'S	TON
TYPICAL	TYP
UNIT HEATER	UH
WATTS	W

## CONSTRUCTION NOTES

DATE	
FEBRUARY 2020	

REVISIONS	
MARK	DESCRIPTION

DRAWN: TMA  
DESIGNER: DLF  
REVIEWED: DIO

PROJECT #  
00-00-000

SCALES

12" = 1'-0"

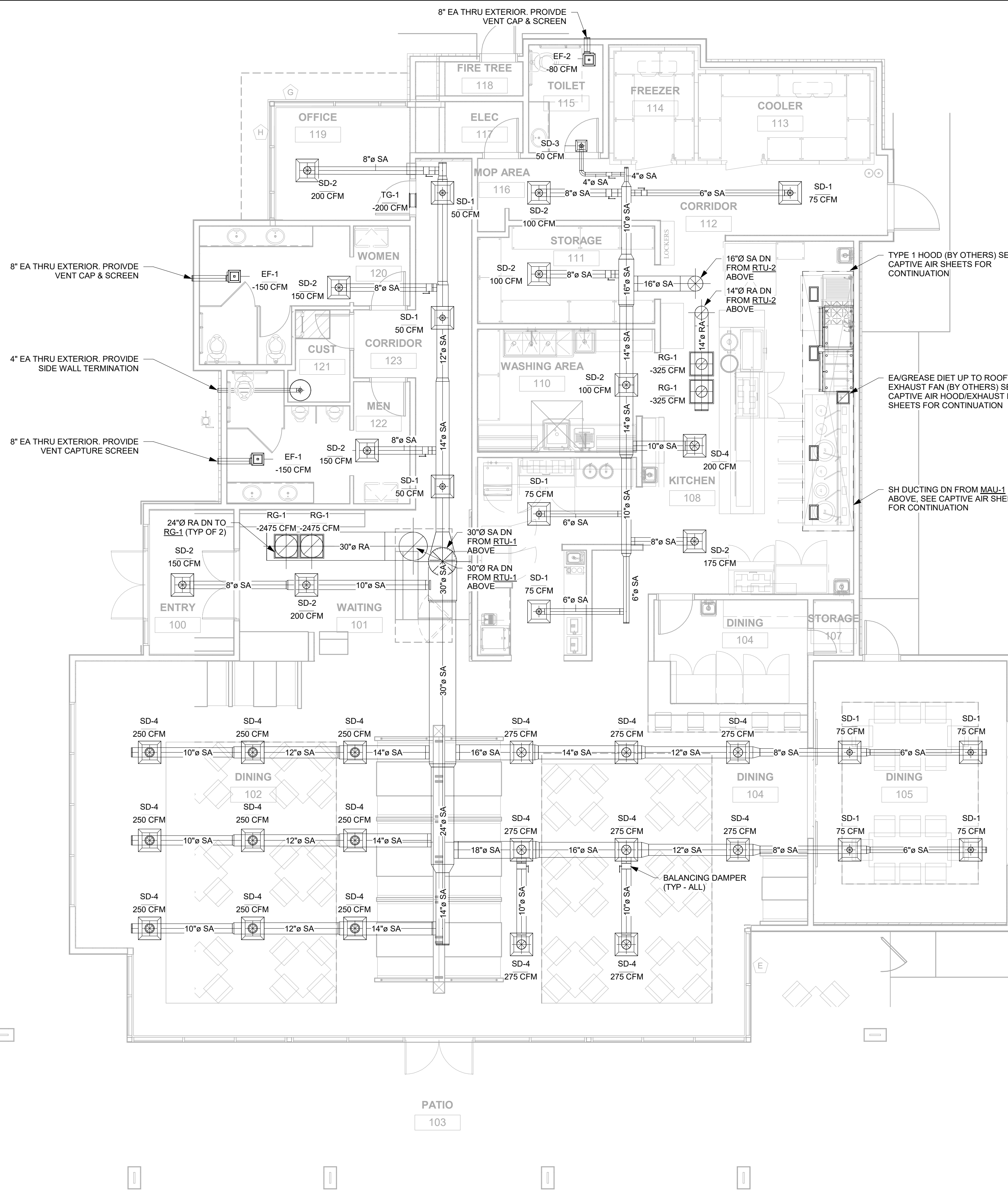
PROJECT NAME:  
**BLOSSOM RESTAURANT**

PROJECT LOCATION:  
**2082 N HILLCREST RD  
SARATOGA SPRINGS,  
UT**

SHEET TITLE:  
**MECHANICAL GENERAL NOTES**

PLAN SET:	SHEET
PERMIT	M0.1

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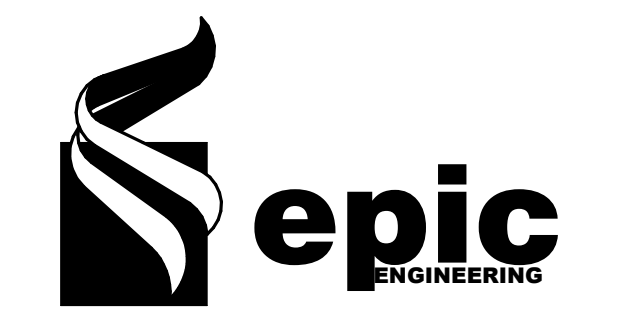
**MECHANICAL GENERAL NOTES**

1. ALL DRAWINGS SHALL BE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL ASPECTS OF THE CONTRACT DOCUMENTS PRIOR TO SUBMITTING PRICING. ANY AND ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO AN INSTALLATION SUCH THAT CLARIFICATIONS CAN BE ISSUED. ANY WORK PERFORMED OR MATERIAL USED WHICH IS SHOWN TO BE IN CONFLICT WITH THE CONTRACT DRAWINGS, SPECIFICATIONS OR ANY APPLICABLE CODE OR GOVERNING REGULATION SHALL BE REMOVED AND REPLACED OR CORRECTED AT THE CONTRACTOR'S EXPENSE.
2. ALL SYMBOLS AND ABBREVIATIONS USED ON THE CONTRACT DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH ANY WORK.
3. DO NOT SCALE THE DRAWINGS; ALL EXISTING CONDITIONS AND DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOB SITE PRIOR TO FABRICATION OF MATERIALS OR ERECTION OF ASSEMBLIES. IF DISCREPANCIES ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR AND EQUIPMENT, TRANSPORTATION AND SERVICES REQUIRED FOR COMPLETION OF THE WORK. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE DONE IN STRICT COMPLIANCE WITH ALL LOCAL CODES AND GOVERNING REGULATIONS. ALL PERMITS AND FEES WHICH ARE REQUIRED FOR THIS WORK SHALL BE SECURED AND PAID FOR BY THE MECHANICAL CONTRACTOR.
4. ALL PLUMBING AND MECHANICAL INSTALLATIONS SHALL ADHERE TO THE 2015 IECC.
5. PROVIDE OPERATION AND MAINTENANCE MANUALS TO OWNER OR ALL NEWLY INSTALLED EQUIPMENT PER 2015 IECC. O&M MANUALS SHALL BE BOUND IN THREE RING BINDER UTILIZING LABELED TABS TO SEPARATE EQUIPMENT SECTIONS.
6. UNLESS NOTED OTHERWISE, ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, AND MECHANICAL ACCESSORIES SHALL REMAIN. NO CHANGES UNLESS NOTED.
7. CONTRACTOR SHALL BE RESPONSIBLE TO CLEAN THE SURFACE OF ALL SUPPLY, RETURN, EXHAUST, AND TRANSFER DIFFUSERS/GRILLES AT COMPLETION OF PROJECT.
8. DUCTWORK SHALL BE FABRICATED TO NFPA 90A STANDARDS. TYPICAL LOW PRESSURE DUCTWORK SHALL BE ASTM A653M GALVANIZED STEEL SHEET LOCK FORMING QUALITY, HAVING ZINC COATING OF 1.25 OUNCES/SF FOR EACH SIDE PER ASTM A90.
9. FABRICATE AND SUPPORT DUCTWORK IN ACCORDANCE WITH SMACNA LOW PRESSURE DUCT CONSTRUCTION STANDARDS AND ASHRAE HANDBOOKS. ALL BRANCH DUCTWORK SHALL MATCH CONNECTION SIZE OF DIFFUSERS UNLESS NOTED OTHERWISE.
10. ROUTE EXPOSED SPIRAL DUCTWORK AS HIGH AS POSSIBLE TO BOTTOM OF STRUCTURE.

**CONSTRUCTION NOTES**

**DATE**

FEBRUARY 2020



**REVISIONS**

MARK	DATE	DESCRIPTION

DRAWN: TMA  
 DESIGNER: DLF  
 REVIEWED: DIO

PROJECT #  
 00-00-000

**SCALES**

As indicated

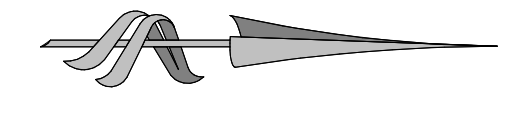
**PROJECT NAME:**  
**BLOSSOM RESTAURANT**

**PROJECT LOCATION:**  
 2082 N HILLCREST RD  
 SARATOGA SPRINGS,  
 UT

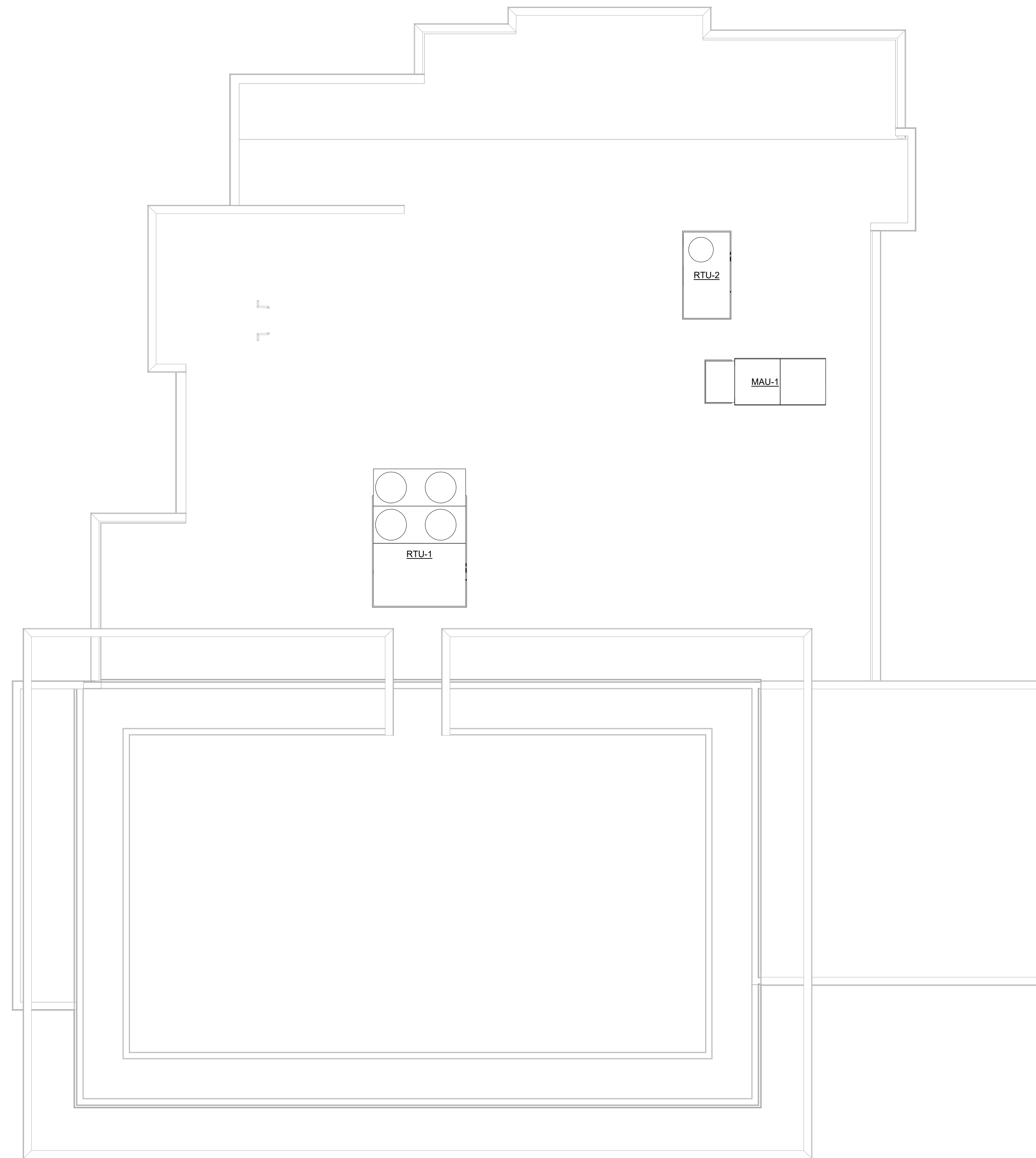
**SHEET TITLE:**  
**FIRST LEVEL MECHANICAL PLAN**

**PLAN SET:** PERMIT  
**SHEET:** M1.1

1 FIRST LEVEL MECHANICAL PLAN  
 3/16" = 1'-0"



S:\PROJ\SMALL PROJECTS\2020 PROJECTS\Name Architecture\Blossom Restaurant\Restaurant\_CAD\PT



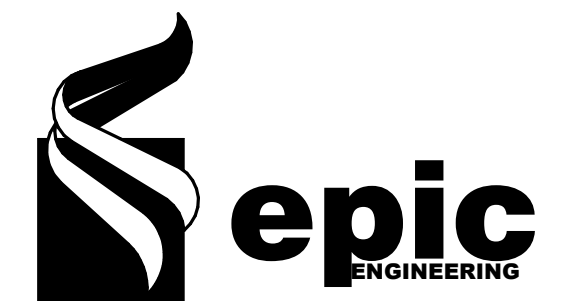
**MECHANICAL GENERAL NOTES**

1. ALL DRAWINGS SHALL BE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL ASPECTS OF THE CONTRACT DOCUMENTS PRIOR TO SUBMITTING PRICING. ANY AND ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO AN INSTALLATION SUCH THAT CLARIFICATIONS CAN BE ISSUED. ANY WORK PERFORMED OR MATERIAL USED WHICH IS SHOWN TO BE IN CONFLICT WITH THE CONTRACT DRAWINGS, SPECIFICATIONS OR ANY APPLICABLE CODE OR GOVERNING REGULATION SHALL BE REMOVED AND REPLACED OR CORRECTED AT THE CONTRACTOR'S EXPENSE.
2. ALL SYMBOLS AND ABBREVIATIONS USED ON THE CONTRACT DRAWINGS ARE CONSIDERED CONSTRUCTION STANDARDS. IF CLARIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH ANY WORK.
3. DO NOT SCALE THE DRAWINGS: ALL EXISTING CONDITIONS AND DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOB SITE PRIOR TO FABRICATION OF MATERIALS OR ERECTION OF ASSEMBLIES. IF DISCREPANCIES ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED FOR CLARIFICATION. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR AND EQUIPMENT, TRANSPORTATION AND SERVICES REQUIRED FOR COMPLETION OF THE WORK. ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE DONE IN STRICT COMPLIANCE WITH ALL LOCAL CODES AND GOVERNING REGULATIONS.
4. ALL PERMITS AND FEES WHICH ARE REQUIRED FOR THIS WORK SHALL BE SECURED AND PAID FOR BY THE MECHANICAL CONTRACTOR.
5. ALL PLUMBING AND MECHANICAL INSTALLATIONS SHALL ADHERE TO THE 2015 IECC.
6. PROVIDE OPERATION AND MAINTENANCE MANUALS TO OWNER OR ALL NEWLY INSTALLED EQUIPMENT PER 2015 IECC. O&M MANUALS SHALL BE BOUND IN THREE RING BINDER UTILIZING LABELED TABS TO SEPARATE EQUIPMENT SECTIONS.
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8. CONTRACTOR SHALL BE RESPONSIBLE TO CLEAN THE SURFACE OF ALL SUPPLY, RETURN, EXHAUST, AND TRANSFER DIFFUSERS/GRILLES AT COMPLETION OF PROJECT.
9. DUCTWORK SHALL BE FABRICATED TO NFPA 90A STANDARDS. TYPICAL LOW PRESSURE DUCTWORK SHALL BE ASTM A653M GALVANIZED STEEL SHEET LOCK FORMING QUALITY, HAVING ZINC COATING OF 1.25 OUNCES/SF FOR EACH SIDE PER ASTM A90.
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11. ROUTE EXPOSED SPIRAL DUCTWORK AS HIGH AS POSSIBLE TO BOTTOM OF STRUCTURE.

**CONSTRUCTION NOTES**

**DATE**

FEBRUARY 2020



**REVISIONS**

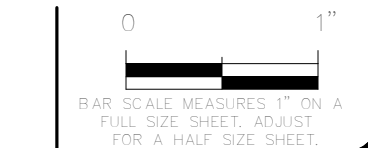
MARK	DATE	DESCRIPTION

DRAWN: TMA  
 DESIGNER: DLF  
 REVIEWED: DIO  
 PROJECT #  
 00-00-000



**SCALES**

As indicated



**PROJECT NAME:**

**BLOSSOM RESTAURANT**

**PROJECT LOCATION:**

**2082 N HILLCREST RD  
SARATOGA SPRINGS,  
UT**

**SHEET TITLE:**

**ROOF MECHANICAL PLAN**

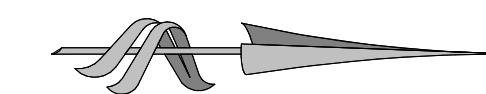
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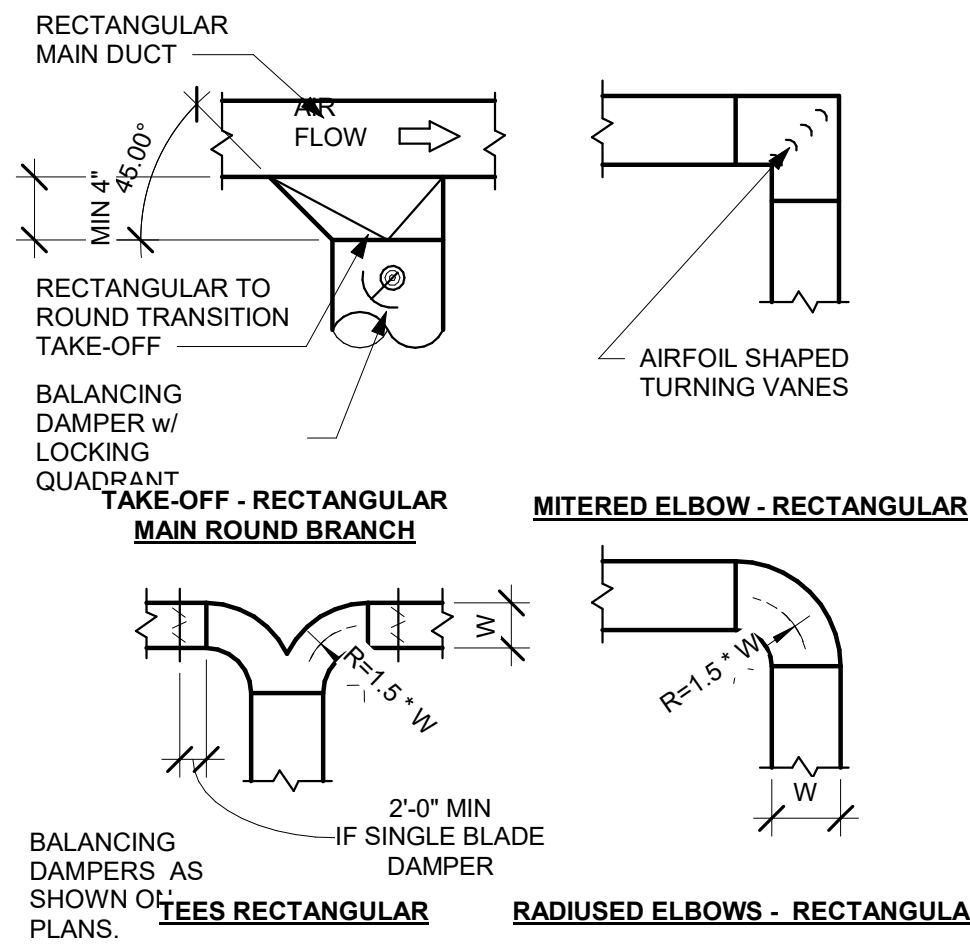
**PERMIT**

**SHEET**

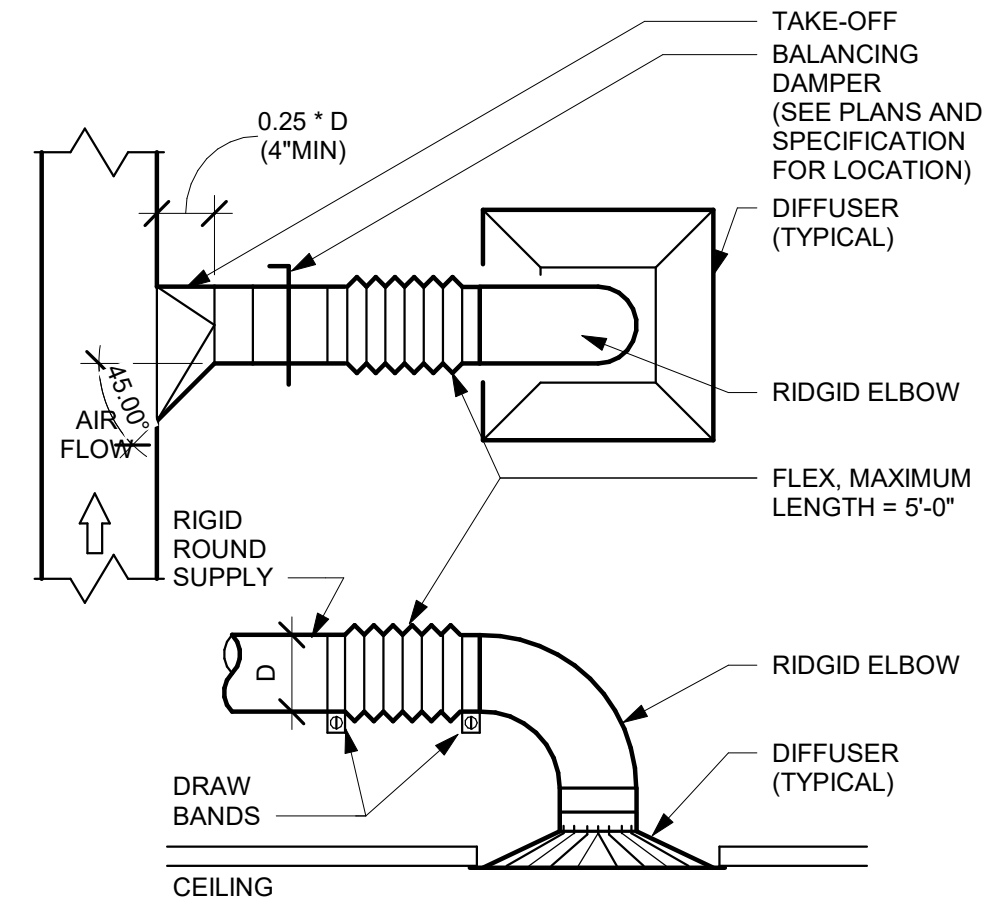
**M1.2**

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

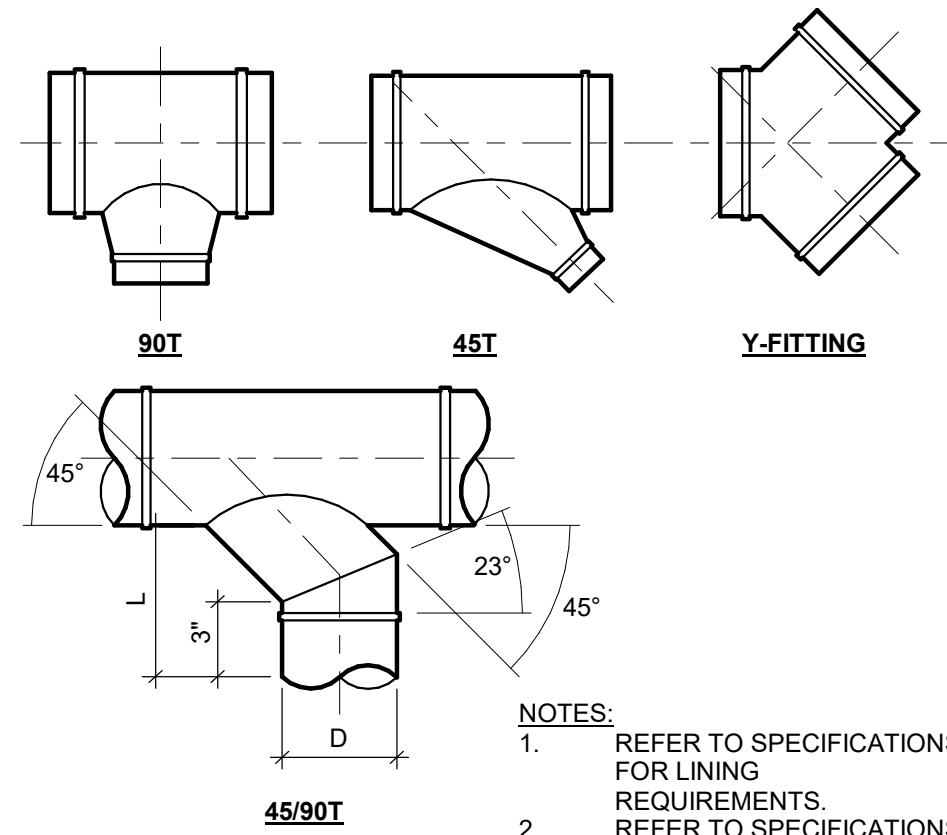




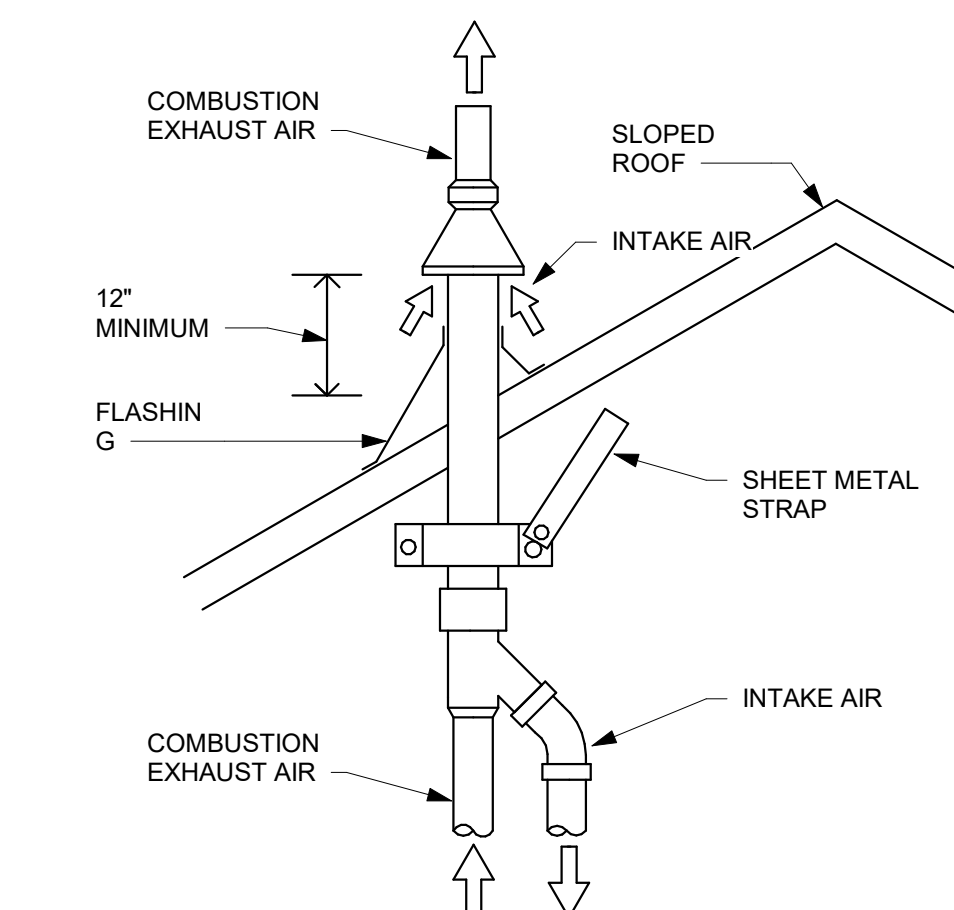
1 LOW PRESSURE RECTANGULAR DUCT FITTINGS  
N.T.S.



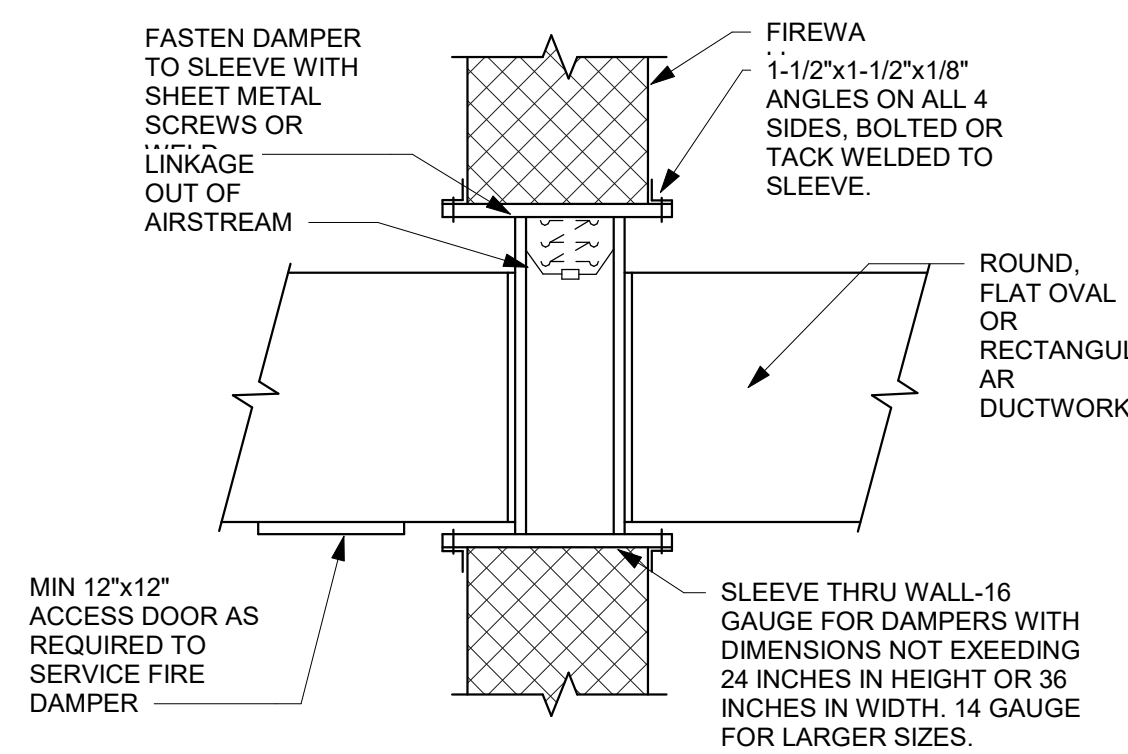
2 TYPICAL DUCT TAKE-OFF DETAIL  
N.T.S.



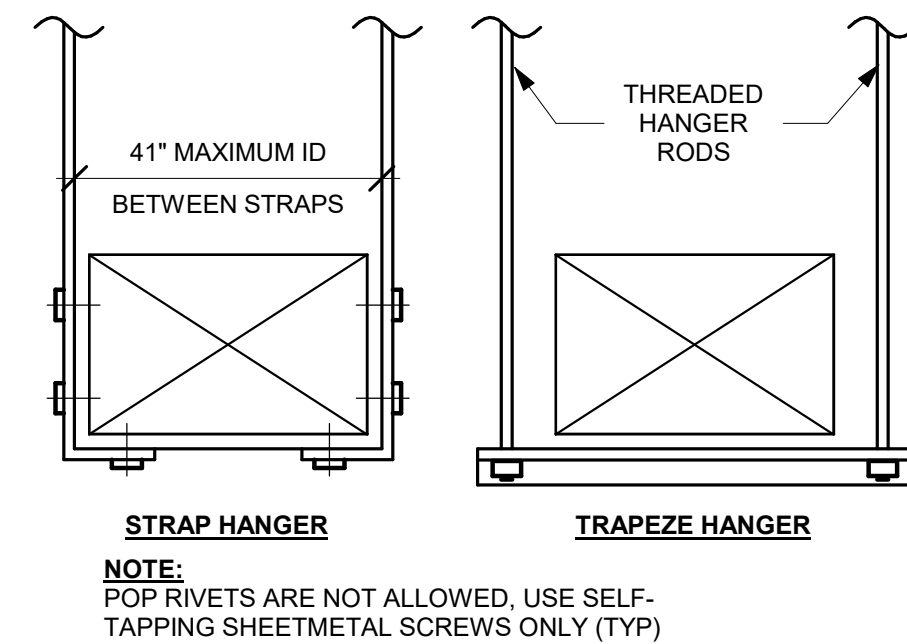
3 TYPICAL SPIRAL DUCT FITTINGS  
N.T.S.



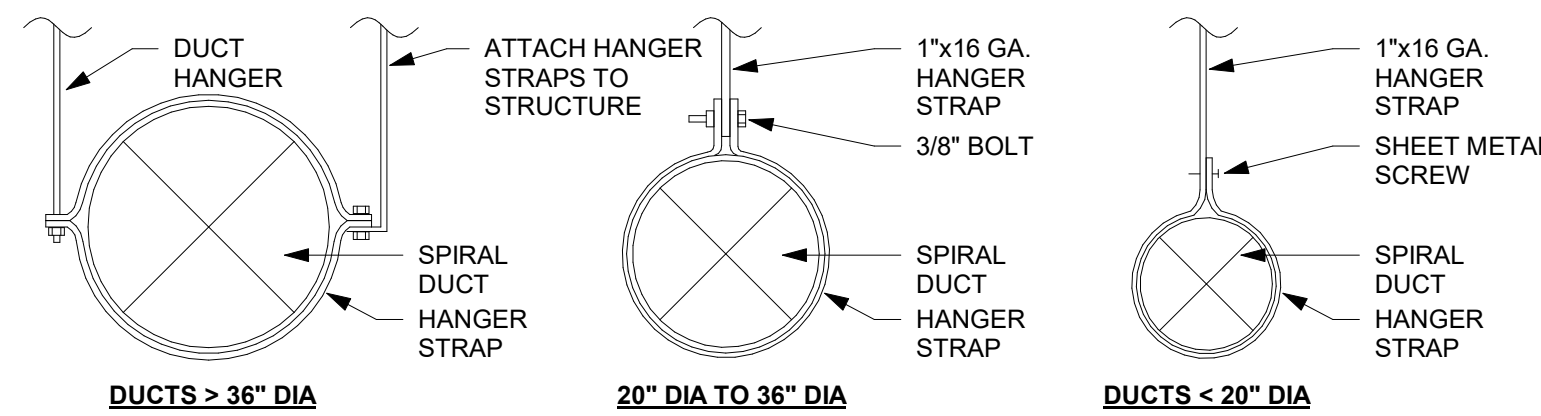
4 CONCENTRIC FLUE DETAIL (SLOPED ROOF)  
N.T.S.



5 FIRE DAMPER IN WALL DETAIL  
N.T.S.



6 DUCTWORK SUPPORT DETAIL  
N.T.S.



7 ROUND DUCTWORK SUPPORT DETAIL  
N.T.S.

ROOFTOP UNIT SCHEDULE

TAG	MANUFACTURER	MODEL	NOMINAL SIZE	SUPPLY AIR	RETURN AIR	OUTSIDE AIR	E.S.P.	BTU INPUT	BTU OUTPUT	COOLING CAPACITY	EER/SEER/EIEER	SYSTEM	INDOOR FAN HP	OUTDOOR FAN (#) HP	OUTDOOR FAN HP	MOP	MCA	WEIGHT	NOTES
RTU-1	LENNOX	LGH180H4BS1Y	15 ton	5750 CFM	4950 CFM	800 CFM	0.0 in-wg	260,000 Btu/h	208,000 Btu/h	172,000 Btu/h	12.0 / 13.5	208/3/60		(4)		100 A	81 A	2,505 lb	
RTU-2	LENNOX	LGH036S4TS1Y	3 ton	950 CFM	650 CFM	300 CFM	0.0 in-wg	65,000 Btu/h	52,000 Btu/h	35,200 Btu/h	11.6 / 15.0	208/3/60		(1)		30 A	23 A	762 lb	

- OR EQUAL AS APPROVED BY SPECIFYING ENGINEER.
- ROOF CURB TO BE COMPLIANT WITH ALL 2018 CODE REQUIREMENTS. MOUNT RTU'S HIGH ENOUGH FOR THE LOWEST POINT OF THE INTAKE TO BE 3' MINIMUM ABOVE ROOF SURFACE. (PROVIDE CUSTOM CURB IN ORDER TO SATISFY REQUIREMENT)
- UNIT TO BE PROVIDED WITH AN UNPOWERED CONVENIENCE OUTLET BY MANUFACTURER. OUTLET TO BE GFCI RATED AS REQUIRED BY CODE.
- REFER TO MANUFACTURER DATA FOR FILTER SIZES AND QUANTITY. INSTALLED FILTERS TO BE MERV 8 MINIMUM.
- ELECTRICAL INFORMATION DOES NOT INCLUDE POWER EXHAUST REQUIREMENTS IF POWER EXHAUST IS SPECIFIED. REFER TO MANUFACTURER FOR ADDITIONAL ELECTRICAL REQUIREMENT WHEN SPECIFIED.
- MANUFACTURER TO PROVIDE AND INSTALL SHEAVES TO ACHIEVE THE STATED AIRFLOW AT SITE ALTITUDE AND ESP INDICATED.
- MC TO PROVIDE AND INSTALL ACCESSORIES FOR FULL FUNCTION OF RTU AND POWER EXHAUST, AND PRESSURE SENSING DEVICES.
- THERMOSTAT TO BE 2018 IECC COMPLIANT AND BE SUBMITTED FOR ENGINEERS APPROVAL. THERMOSTAT TO BE SIMILAR TO VENSTAR 2800 SERIES.
- ECONOMIZER AND POWER EXHAUST TO BE CAPABLE OF DELIVERING 100% OF SPECIFIED FAN AIRFLOW AT 0.3 W.C.
- MECHANICAL CONTRACTOR TO INSTALL ROOF TOP UNIT, ROOF CURB, ECONOMIZER AND THERMOSTAT. INSTALL ACCORDING TO MANUFACTURERS DIRECTION, AND BALANCE TO VALUES SHOWN IN EQUIPMENT SCHEDULE.
- SUBMITTED EQUIPMENT TO MEET ALL PERFORMANCE CRITERIA SHOWN AT SITE ALTITUDE, MEET CURRENT CODE REQUIREMENTS, AND MEET CURRENT ENERGY EFFICIENCY AND ACCESSORY REQUIREMENTS.

GRILLE AND DIFFUSER SCHEDULE

TAG	MANUFACTURER	MODEL	TYPE	FACE SIZE	NECK SIZE	MOUNTING	COLOR	MATERIAL	COUNT	NOTES
RG-1	TITUS	350RL	RETURN GRILLE	25 3/4" x 25 3/4"	24"x24"	CEILING	WHITE	Steel	4	
RG-2	TITUS	350RL	RETURN GRILLE	13 3/4" x 13 3/4"	12"x12"	WALL	WHITE	Steel	1	
SD-1	TITUS	TMS	SUPPLY DIFFUSER	24" x 24"	6"ø	CEILING	WHITE	Steel	10	
SD-2	TITUS	TMS	SUPPLY DIFFUSER	24" x 24"	8"ø	CEILING	WHITE	Steel	9	
SD-3	TITUS	TMS	SUPPLY DIFFUSER	12" x 12"	4"ø	CEILING	WHITE	Steel	1	
SD-4	TITUS	TMS	SUPPLY DIFFUSER	24" x 24"	10"ø	CEILING	WHITE	Steel	18	
SG-1	TITUS	300RS	SUPPLY GRILLE	15 3/4" x 9 3/4"	14"x8"	CEILING	WHITE	Steel	4	
TG-1	TITUS	350RL	TRANSFER GRILLE	15 3/4" x 9 3/4"	8"x14"	WALL	WHITE	Steel	2	

EXHAUST FAN SCHEDULE

TAG	MANUFACTURER	MODEL	DUCT SIZE	MOUNTING	AIR FLOW	RPM	E.S.P.	WATTS	VOLTAGE	COUNT	NOTES
1. CONTROL FAN ON BATHROOM LIGHT SWITCH.											
EF-1	Panasonic	FV-11-15VK1	6"	CEILING	150 CFM	664	0.00 in-wg	13 W	120/1/60	2	
EF-2	Panasonic	FV-11-15VK1	6"	CEILING	80 CFM	814	0.00 in-wg	6 W	120/1/60	1	

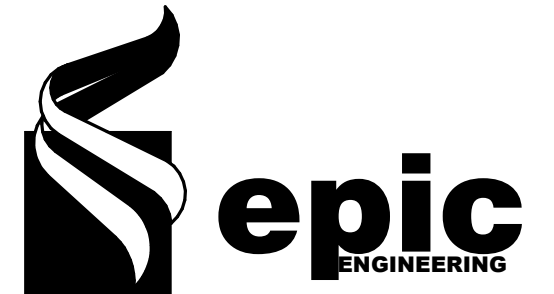
MAKE-UP AIR UNIT SCHEDULE

TAG	MANUFACTURER	MODEL	E.S.P. (IN. WC)	BTU INPUT	EFFICIENCY	VOLTAGE	FAN HP	NOTES
MAU-1	SEE KITCHEN SUPPLIER	SEE KITCHEN SUPPLIER	0.00 in-wg	80,000 Btu/h	96%	120/1/60	2 hp	

CONSTRUCTION NOTES

DATE

FEBRUARY 2020



REVISIONS

MARK	DATE	DESCRIPTION

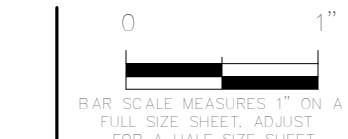
DRAWN: TMA  
DESIGNER: DLF  
REVIEWED: DIO



PROJECT #  
00-00-000

SCALES

12" = 1'-0"



PROJECT NAME:

**BLOSSOM RESTAURANT**

PROJECT LOCATION:

**2082 N HILLCREST RD  
SARATOGA SPRINGS,  
UT**

SHEET TITLE:

**MECHANICAL DETAILS**

PLAN SET:

**PERMIT**

SHEET

**M5.1**

**Part 1 – General**

- The plumbing system shall be installed in strict accordance with local, state, and regional plumbing codes, state and local health department regulations, and OSHA regulations.
- It shall be the responsibility of the plumbing contractor to pay for all fees and permits relating to this work.
  - The plumbing contractor shall coordinate with the local gas company and shall arrange for the installation of the new gas meters. The new gas piping supplying the gas-fired HVAC equipment is sized for 4 ounce gas pressure.
  - The plumbing contractor shall be an experienced firm regularly engaged in the installation of commercial plumbing systems in accordance with local codes. The owner's representative may reject any proposed contractor who cannot show evidence of such qualifications
  - Visit the jobsite prior to bidding the project to become familiar with the existing conditions and any interference. Should a condition arise where a change would be advisable, secure approval of change before proceeding with work.

**Part 2 – Piping Materials and Valves**

- Piping materials and fittings shall be as follows:
  - New domestic water piping shall be ASTM B88 Type L hard drawn copper with ANSI B16.22 wrought copper fittings and 95-5 solder aboveground, and Type K soft copper belowground.
  - New waste and vent piping 1-1/2" and smaller shall be ASTM A120 Grade A schedule galvanized steel pipe with threaded cast iron drainage fittings, 2" and larger shall be cast iron, ASTM A-888 'no-hub' with ASTM C-1277 standard neoprene gaskets and type 304 stainless steel connector bands aboveground or FM 1680 Class I heavy duty type 304 stainless steel connector bands capable of withstanding 125 in-lbs of torque belowground.
  - Alternate waste and vent piping shall be either ASTM D2661 or ASTM D2665 PVC piping or fitting. The installation shall comply with IAPMO IS9. Underground ABS or PVC piping shall be laid in 6-inch deep bed of sand.
  - New gas piping shall be ASTM A53 schedule 40 black steel pipe with ANSI 16.3 150 lb. malleable iron fittings aboveground and polyethylene as approved by the local gas utility company for below ground installation.
- Valves:
  - All valves must be accessible. Valves located above a hard ceiling or in a wall shall have and approved access door. Valve stems shall be installed horizontal or higher than the valve. All valves shall be of the same manufacturer.
    - Ball valves: 2" and smaller shall be rated for 125 PSIG WOG at 220 degree F., bronze construction conforming to ASTM B62, solder ends, bubble tight Teflon seat (at 100 PSIG under water), with a hard chrome plated brass or stainless steel ball. The valve shall operate with flow in either direction and shall be suitable for throttling and tight shut off. Provide watts B-6001.

**Part 3 – Fixtures, Equipment, Drains and Trim**

- Approved manufacturers for fixtures and trim:
  - Fixtures: American Standard, Kohler, Eljer, and Elkay
  - Carriers, etc.: J.R. Smith, Josam, Wade, and Zurn.
  - Trim: American Standard, Chicago Faucets, Elkay, Kohler and T&S Brass
  - Flush Valves: Sloan, Delaney, and Zurn Z6000 Series.
- All water faucets shall meet N.S.F Standard Section 9 for drinking water faucets and shall be certified by underwriters laboratory. The product shall be manufactured from brass construction, brass components which contact within the faucet shall be from brass which contains no more than 3% lead by dry weight.
- Water heaters shall be shown on the plumbing drawings.

**Part 4 – Piping Insulation**

- Piping insulation shall conform to the current energy code as adopted by the state. No insulation shall be applied until all pressure tests are complete, leaks repaired, and the system is successfully retested. Insulation shall be ASTM C547, Class 1 Fiberglass one-piece preformed pipe insulation with an ASTM C921 all purpose (FAS-J) fire retardant jacket. In lieu of fiberglass insulation, ASTM 3552, Type II, Class 2 Foam Glass or ASTM C534, Type 1 Thermaxcel or expanded polyurethane may be used. Fire and smoke hazard for the complete insulation system shall not exceed: Flame spread – 25, fuel contribution – 50, smoke development – 450 in accordance with ASTM E84 test methods.
- Piping insulation thickness for new piping shall be as follows:
 

Pipe Sizes	Up to 2"	2-1/2" & up
Pipe Type Branch	1.0"	1.5"
Dom. Hot	1.0"	1.5"
Dom. Cold	0.5"	0.5"
- Insulation protection shields equal to Grinnell figure 167 shall be installed on all insulated pipe 1" and larger. Hangers shall not contact the pipe where insulation is specified. Insert insulation shall be the same thickness as the adjoining pipe insulation.

**Part 5 – Installation**

- New horizontal waste pipe shall be given a grade of 1/4" per foot. 1/8" per foot slope must be approved by the authority having jurisdiction. Roof drain piping shall be given a grade of 1/8" per foot.
- Vent inlets on the floor drains and floor sinks shall be above the weir of the traps they serve.
- All plumbing fixture supplies with stops, p-traps, and trap arms shall be chrome plated.
- Verify the locations and sizes of the existing domestic water, gas, and waste and make necessary new connections as required. Refer to the civil engineering drawings and coordinate with the general contractor the owner's representative.
- The plumbing contractor shall periodically remove all debris and waste related to his work in order to maintain safe working and operating conditions, and shall dispose of the same in a approved manner at the completion of work, he shall remove all his rubbish, tools, and surplus material from and about the site, leaving his work clean and the area ready for occupancy.
- Cleanouts shall be the same size as the pipe. Where cleanouts in connection with threaded pipe are accessible, they shall be cast iron drainage T-pattern 90 degree branch fitting with extra heavy brass screw plugs of the same size as the pipe (4" cleanout maximum).
- All cleanouts shall be flush with wall or color complete with stainless steel cover plate for wall cleanouts and nickel bronze for floor cleanouts.
- Arrange new piping to permit ready access to valves, unions, traps, and to clear opening of doors and access panels.
- Adjust location of pipes, etc., to accommodate work from interference anticipated and encountered. Determine exact route and location of each pipe prior to fabrication. Make offsets, transition, and changes in direction of pipes as required to maintain proper head room and pitch of sloping lines whether or not indicated on drawings.
- Insure that items to be furnished fit in space available. Make necessary field measurements to ascertain space requirements including those for connections and furnish and install equipment of size and shape so final installation shall suit true intent and meaning of contract documents.
- Follow manufacturer's directions in delivery, storage, protection, and installation of materials. Promptly notify architect in writing of conflicts between requirements of contract documents and manufacturer's directions and obtain architects written instruction before proceeding with work. Bear expenses arising from correcting deficiencies of work that do not comply with manufacturer's direction or such written instruction from architect and/or owner's representative.
- Deliver material to site and tightly cover and protect against dirt, water, and chemical or mechanical injury but have readily accessible for inspection. Store items subject to moisture damage in a dry heated space.
- Vertical piping shall be secured at sufficiently close intervals to keep pipe alignment and carry the weight of the pipe and contents. Stacks shall be supported at their bases with approved metal clamps or hangers.
- Support horizontal piping at sufficiently close intervals to maintain alignment and prevent sagging or grade reversals in accordance with local plumbing code. Support each length of pipe by an approved hanger located not more than 18" from the joint. Approved manufacturers are ITT Grinnell fee & Mason MFG. Co., B-Line, or Kin-Line, Inc.
- Support terminal ends of all horizontal runs or branches and each change of direction or alignment by an approved hanger.
- All exterior gas piping exposed to weather shall be painted with a gray color enamel paint with rust inhibitor.
- Changes in direction of horizontal waste and vent shall be made with the appropriate use 45 degree wyes, half wyes, long sweep 1/4 bends, 1/6, 1/8, or 1/16 bends, except that sanitary tees may be used on waste lines where change in direction of flow is from the horizontal to the vertical.
- Complete the installation of each plumbing fixture including chrome-plated trap and accessories with accessible chrome-plate trap and accessories with accessible chrome-plated stop or control valve in each hot and a cold water branch supply line. Make joint between water closet and floor flange tight with approved fixture setting compound or gasket. Interior exposed pipe, valves, and completion of project. Caulk between fixtures and wall and compound, point all edges. Install fixture as per local codes and manufacturer's instructions. Do not use flexible water piping.
- Access panels shall be provided in walls or GWB ceilings where required to access valves or concealed equipment access doors shall be hinged and constructed of metal with a screwdriver latch. All access panels shall be 18" x 18", unless otherwise noted on the drawings. Fire-rated access panels shall be installed in fire-rated assemblies. Installation shall be in neat in final appearance.

**Part 6 – Submittals**

- By description, catalog number and specific designation, standards are established for manufactured items which the contractor shall furnish as required by this section. Substitutions must be submitted and approved by the architect and/or owner's representative of products prior to bid for consideration. Substitutions of products shown shall be submitted to the architect, the owner's representative or engineer for written approval.
- Shop drawings and up-to-date engineering data sheets and catalog information shall be furnished on the following items of equipment. Provide (6) copies for review.
  - Fixtures and trim
  - Water heater
  - Plumbing equipment and specialties
  - Valves, strainers, etc.

**Part 7 – Cutting and Patching**

- Cutting and patching of floors, roof and walls to facilitate the plumbing system installation shall be by the general contractor, the cost of which shall be paid for by the plumbing contractor the plumbing contractor shall coordinate all cutting and patching with the general contractor and owner's representative.
- The plumbing contractor shall be responsible for required digging, backfilling and compaction.
- The general contractor shall be perform the required cutting, and patching incident to this work, and make required repairs afterward to satisfaction of architect and the owner's representative. Cut carefully to minimize necessity for repairs to existing work. Do not cut beams, columns, or susses. Patch and repair walls, floors, ceiling and roofs with materials of same quality and appearance as adjacent surfaces unless otherwise shown. Surface finishes shall exactly match existing finishes of same materials. The plumbing contractor shall bear expense of cutting, patching, repairing, and replacing of work of other contractors required because of his fault, error, tardiness, or because of damage done by the plumbing.
- Schedule all work so as not to interfere and/or disrupt the daily activities and/or operating hours of nearby buildings or operations. Coordinate as required with general contractor and the owner's representative.

**Part 8 – Fire Assembly Penetrations**

- Coordinate the requirements with other trades, general contractor, architect, the owner's representative and the local authorities having jurisdiction
- Provide sleeve at all floor-penetrations. Provide U.L. Fire Penetration System Number FC1002, FC2008, FC3007, FC7001, WL1002 or WL2002 for combustible construction or system number FA5001, FA8001, WL1002 or WL2002 for non-combustible construction of the U.L. building materials directory and as required by authorities having jurisdiction.
- All penetrations through fire rated assemblies shall comply with U.L. Fire Resistance Directory, latest edition.
- Access panels shall be provided in walls or GWB ceilings where required to access dampers or concealed equipment. Access doors shall be hinged and constructed of metal with a screwdriver latch. All access panels shall be minimum of 18" x 18" unless otherwise noted on drawings, or larger if required for the removal of equipment. Fire-rated access panels shall be installed in fire-rated assemblies. Installation shall be neat in final appearance.

**Part 9 – Seismic Bracing**

- The plumbing contractors shall furnish and install required seismic bracing, restraints, equipment isolators, etc. for his installed equipment, piping, etc. all of which shall comply with PPIC and SMACNA guidelines for the local seismic zone requirements and in accordance with authorities having jurisdiction.

**Part 10 - As-Built Drawings**

- The plumbing contractor shall keep a record set of drawings neatly marked with changes from the original design and drawings. These drawings shall be delivered to the architect and/or owner's representative at the completion of the project and prior to receiving final payment.

**Part 11 – Check, Test and Start-Up**

- All new, altered, extended or replaced plumbing shall be left uncovered and unconcealed until it has been tested or approved. Where such work has been covered or concealed before it is tested and approved, it shall be exposed at the plumbing contractor's expense for testing and approval.
- Each system shall be adjusted to insure proper functioning and shall be left in first class operating condition. Contractor shall perform all tests in the presence of the owner's representative.
  - Hydrostatically test the new waste and vent system indoors to hold not less than 5 PSIG or 10 feet of head pressure for 2 hours with no decrease in pressure.
  - Test the new domestic water systems to hold not less than 100 PSIG (or 1-1/2 times the working pressure in the pipe, whichever is greater) air pressure (or hydrostatic) for 4 hours with no decrease in pressure.
  - Gas piping shall be test at 60 PSIG for no less than 30 minutes in accordance with the local gas company's good practices. All tests shall be maintained without leaks or pressure loss for the specified time, with allowance for the temperature changes. Repair all leaks and repeat tests where required.
- The plumbing contractor shall provide material and labor required to perform start-up of each respective item of equipment, fixtures and systems. Submit test and start-up report to the architect and/or the owner's representative as applicable.
- Clean all piping, equipment, etc. remove all grease, dirt and stains that have accumulated during the construction period.

**Part 12 – Sterilization**

- Sterilize domestic water system with solution containing 250 parts per million minimum of available chlorine. Introduce chlorinating material into system a manner approved by the architect and local department of health. Allow sterilization solution to remain for 24 hours and open and close valves and faucets several times during that time. After sterilization, flush solution from system with clean water until residual chlorine content is less than 0.2 parts per million. Water system will not be accepted until negative bacteriological test is made on water taken from system. Repeat dosing as necessary until such negative test is accomplished and is acceptable to the local department of health. Provide report to owner's representative for approval.

**Part 13 – Operation and Maintenance Manuals**

- Provide three (3) sets of O & M Manuals covering all new valves, equipment and appurtenances for the owner's use as applicable. The format shall be as follows:
  - Size: 9 1/2x11 inches
  - Paper: Manufacturer's printed data, or neatly type-written
  - Provide reinforced punched binder tabs, bound in with text.
  - Provide fly-leaf for each separate product, or each piece of operating equipment. Provide typed description of product, and major component parts of equipment. Provide indexed tabs.
  - Cover: Identify each volume with typed or printed title: "Operation and Maintenance instruction". List title of project, identity of general subject matter cover in the manual.
  - Binders: Commercial quality three-ring binders with durable and cleanable plastic covers
  - Provide neatly type written table of contents. List product by product name and other identifying symbols as set for in contract documents.
  - Include copy of each warranty, bond and service contract issued. Include parts lists, lubrication chart with maintenance schedule.

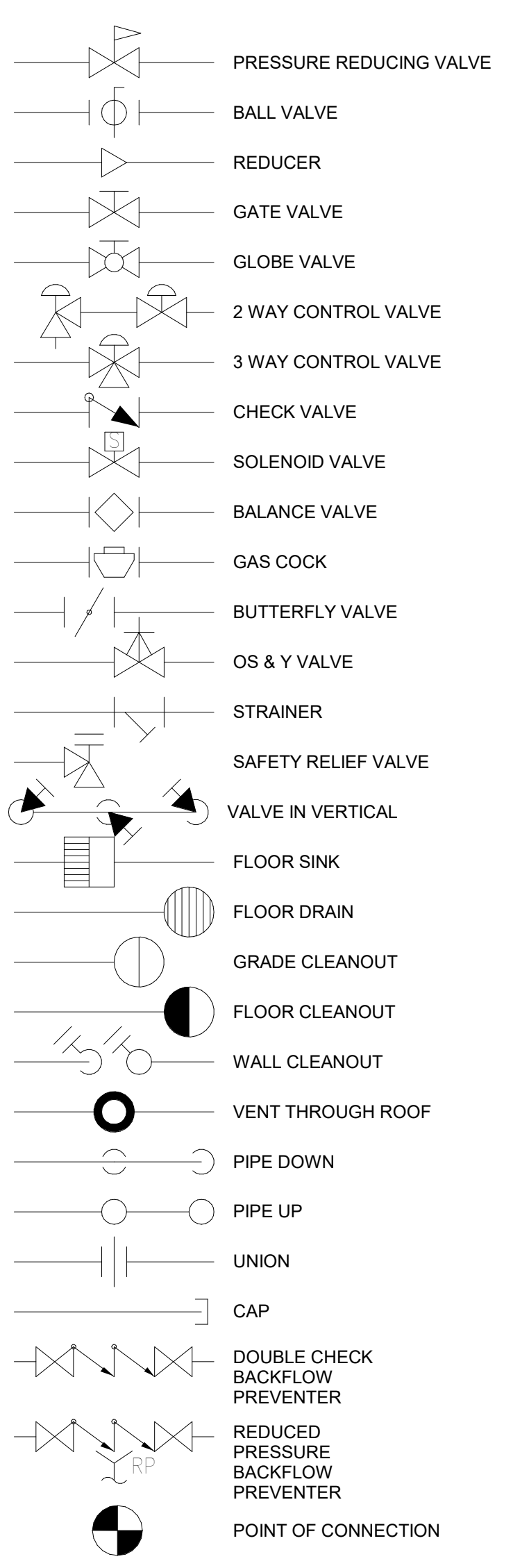
**Part 14 – Instructions**

- Prior to final inspection or acceptance, fully instruct the owner's designated operation and maintenance personnel in the operation, adjustment and maintenance of products, equipment and systems. (Minimum 2-hours instruction period required or more if requested by the owner's representative).

**Part 15 – Warranty and Guarantee**

- The plumbing contractor shall be responsible for the complete new plumbing systems installation and shall provide a one (1) year parts and labor warranty for his performed work after equipment start-up and the owner's representative's acceptance. Should any trouble develop during this period due to defective materials or faulty workmanship, the contractor shall furnish all necessary labor and materials to correct the trouble without any cost to the owner. Any materials found to be defective during the guarantee period shall be corrected immediately to the entire satisfaction of the owner.
- The contract shall be responsible for all damage to any part of the premises cause by leak or breaks in pipe or equipment furnished and/or instructed by this contractor for a period of (1) year from the date of acceptance of the work by the owner. The contractor shall make all necessary repairs to the owner's representative's satisfaction and at no additional cost.

**PLUMBING SYMBOLS**



**PLUMBING ABBREVIATIONS**

EXISTING	(E)
AIR ADMITTANCE VALVE	A.A.V.
ABOVE FINISHED FLOOR	A.F.F.
CONDENSATE	COND
COLD WATER	CW
DOWN	DN
DOMESTIC	DOM
FLOOR CLEAN OUT	FCO
HOT WATER	HW
HOT WATER RETURN	HWR
NATURAL GAS	NG
REFRIGERANT	REF
SANITARY	SAN
TEMPERED WATER	TW
VENT	V
VENT THROUGH ROOF	VTR
WALL CLEAN OUT	WCO

**CONSTRUCTION NOTES**

DATE

FEBRUARY 2020

REVISIONS

MARK	DATE	DESCRIPTION

DRAWN: TMA

DESIGNER: DLF

REVIEWED: DIO

PROJECT #

00-00-000

SCALES

1 1/2" = 1'-0"

PROJECT NAME:

**BLOSSOM RESTAURANT**

PROJECT LOCATION:

**2082 N HILLCREST RD SARATOGA SPRINGS, UT**

SHEET TITLE:

**PLUMBING GENERAL NOTES**

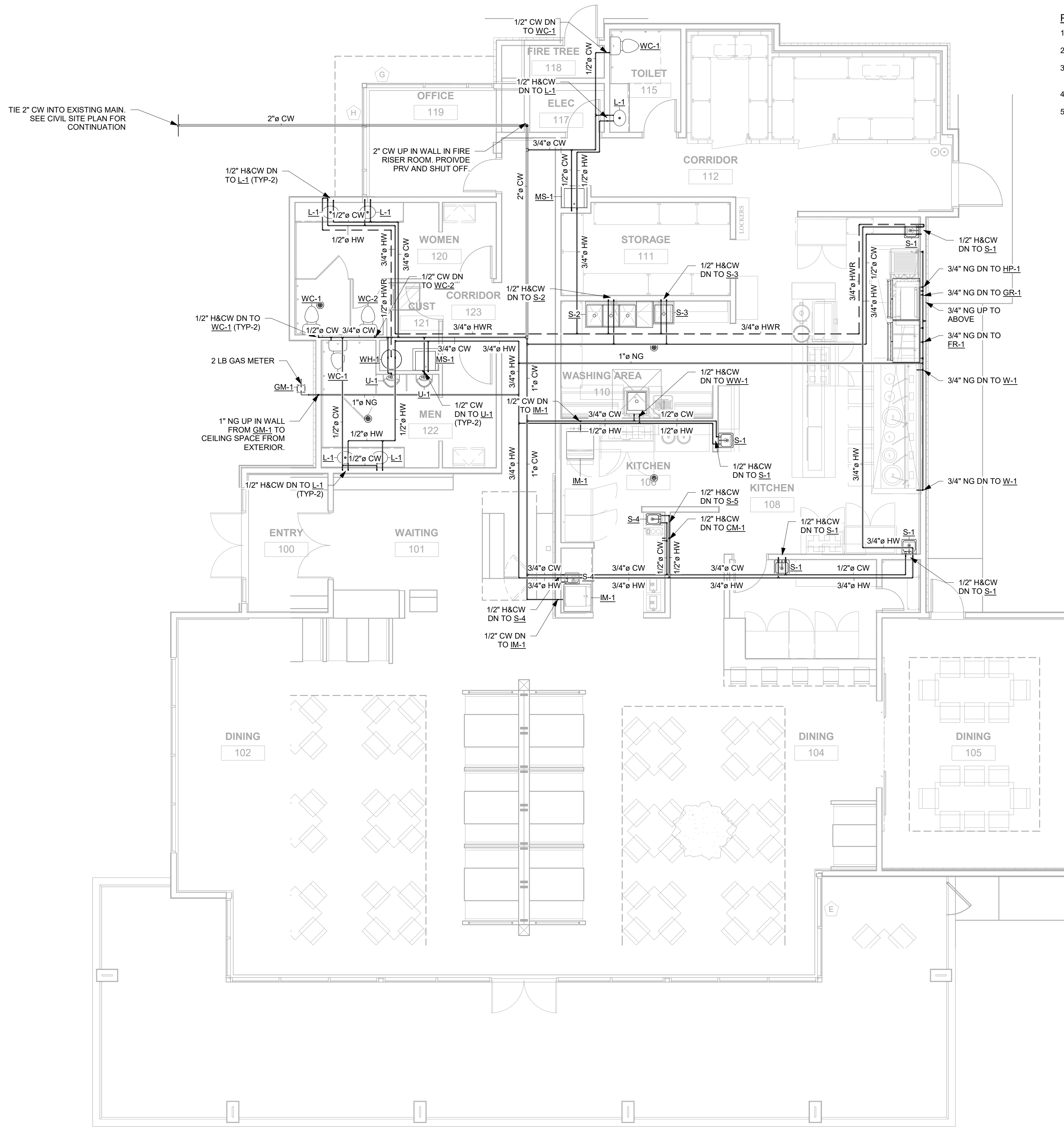
PLAN SET:

**PERMIT**

SHEET

**P0.1**

S:\PROJECTS\2020 PROJECTS\Name Architecture\Blossom Restaurant\Restaurant\_CAD\PT



**PLUMBING GENERAL NOTES**

1. VERIFY EXISTING SIZES AND LOCATIONS OF ALL PIPING BEFORE BEGINNING CONSTRUCTION. NOTIFY OWNER/ENGINEER OF ANY DISCREPANCIES.
2. ALL HORIZONTAL SANITARY PIPING SHOWN IS LOCATED BELOW FLOOR OF ASSOCIATED LEVEL UNLESS NOTED OTHERWISE.
3. ALL HORIZONTAL DOMESTIC, GAS, REFRIGERANT, AND VENT PIPING SHOWN IS LOCATED IN CEILING SPACE OF ASSOCIATED LEVEL UNLESS NOTED OTHERWISE.
4. BRANCH PIPE SIZE SHALL MATCH FIXTURE CONNECTION SIZE UNLESS NOTED OTHERWISE. SEE PLUMBING FIXTURE SCHEDULE FOR DETAIL.
5. PROVIDE ISOLATION VALVES ON ALL PLUMBING FIXTURES AND EQUIPMENT FOR SERVICE.

**CONSTRUCTION NOTES**

**DATE**

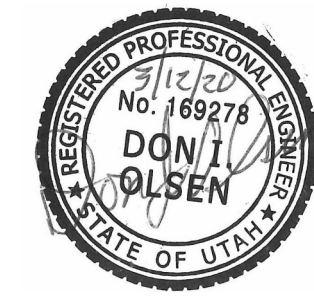
FEBRUARY 2020



**REVISIONS**

MARK	DATE	DESCRIPTION

DRAWN: TMA  
 DESIGNER: DLF  
 REVIEWED: DIO  
 PROJECT #  
 00-00-000



**SCALES**



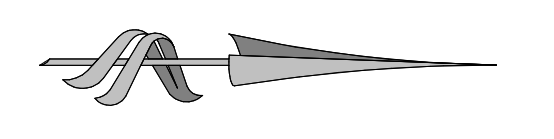
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**BLOSSOM RESTAURANT**

**PROJECT LOCATION:**  
 2082 N HILLCREST RD  
 SARATOGA SPRINGS,  
 UT

**SHEET TITLE:**  
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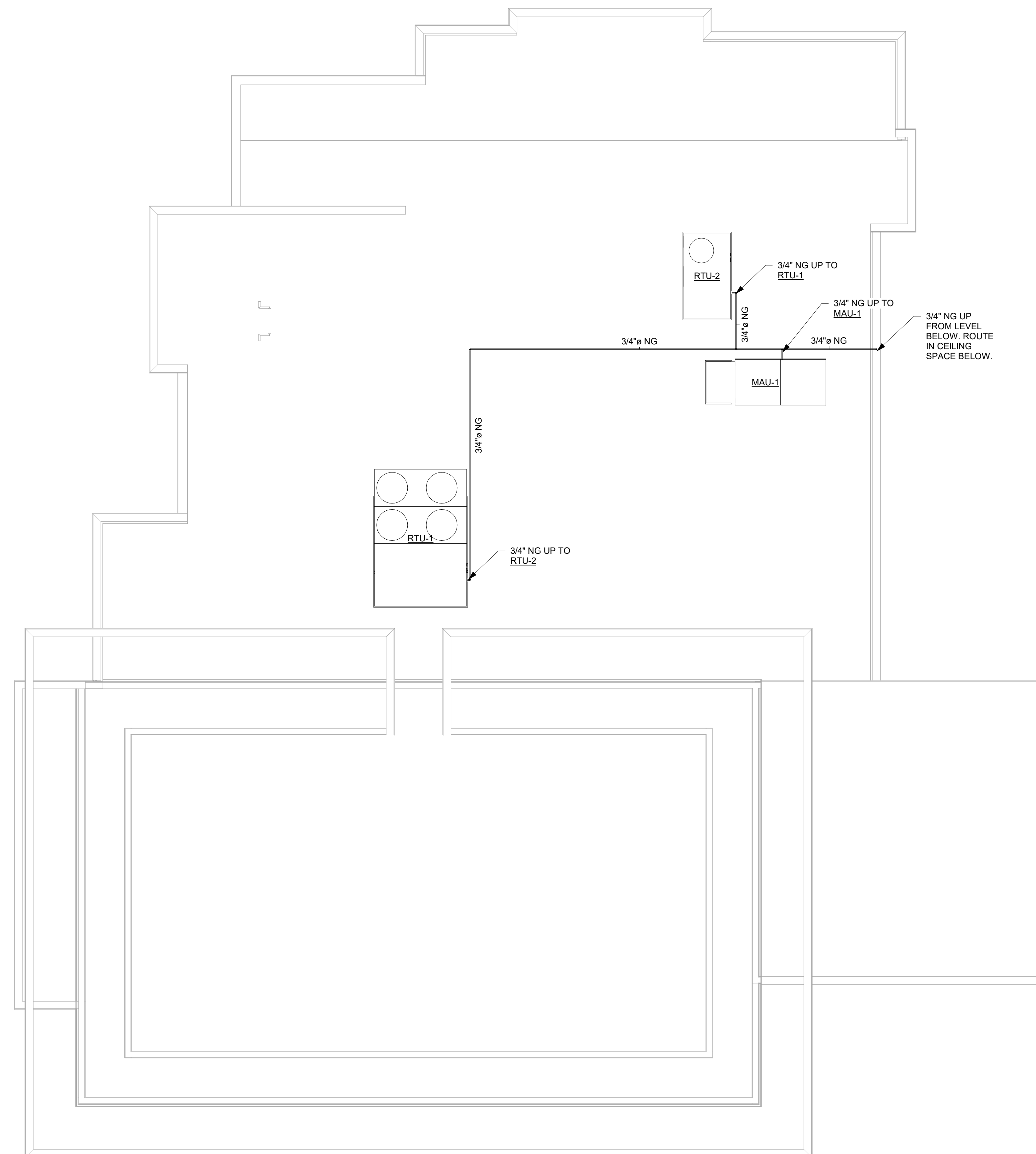
**PLAN SET:** PERMIT  
**SHEET:** P1.1

1 FIRST LEVEL PLUMBING PLAN  
 3/16" = 1'-0"





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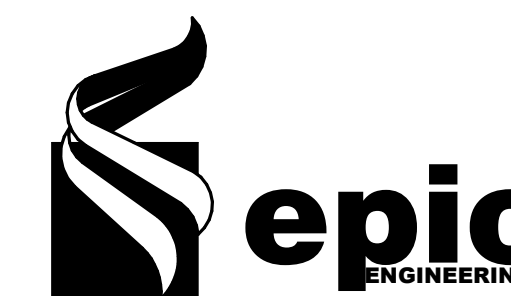
**PLUMBING GENERAL NOTES**

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**CONSTRUCTION NOTES**

**DATE**

FEBRUARY 2020

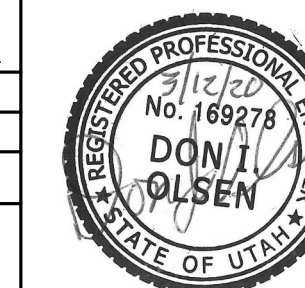


**REVISIONS**

MARK	DATE	DESCRIPTION

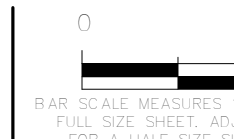
DRAWN: TMA  
 DESIGNER: DIO  
 REVIEWED: DLF

PROJECT #  
 00-00-000



**SCALES**

As indicated



**PROJECT NAME:**

**BLOSSOM RESTAURANT**

**PROJECT LOCATION:**

**2082 N HILLCREST RD  
SARATOGA SPRINGS,  
UT**

**SHEET TITLE:**

**ROOF PLUMBING PLAN**

**PLAN SET:**

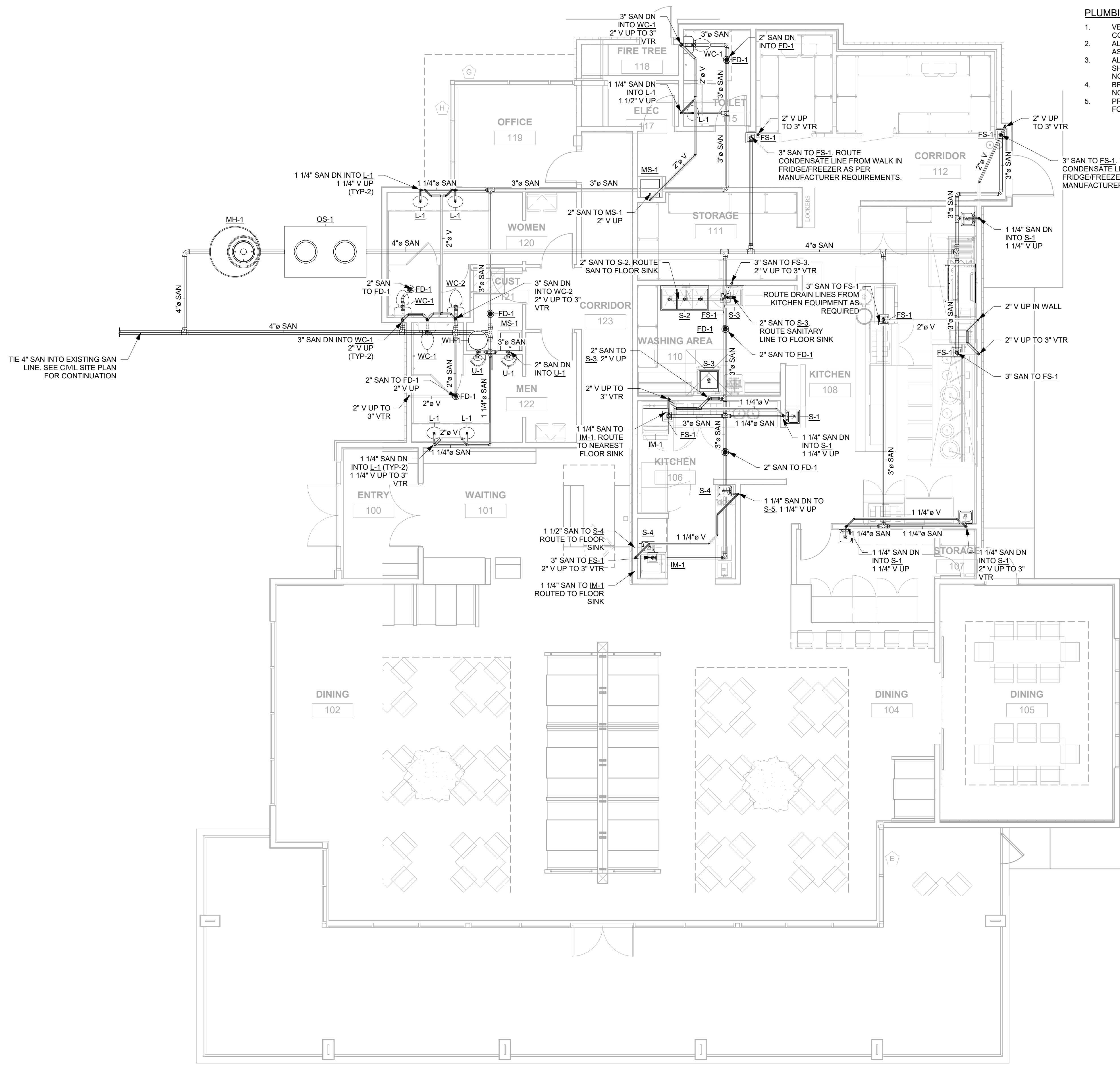
**PERMIT**

**SHEET**

**P1.2**

① ROOF PLUMBING PLAN  
 3/16" = 1'-0"

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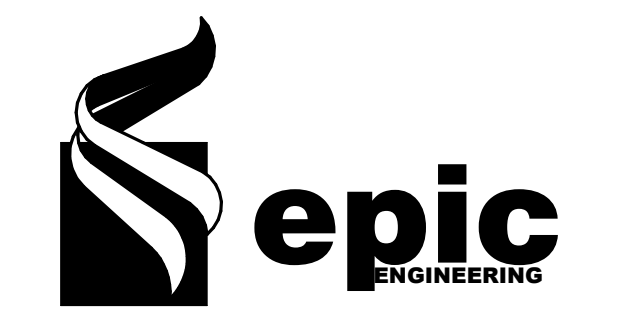


- PLUMBING GENERAL NOTES**
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  5. PROVIDE ISOLATION VALVES ON ALL PLUMBING FIXTURES AND EQUIPMENT FOR SERVICE.

**CONSTRUCTION NOTES**

**DATE**

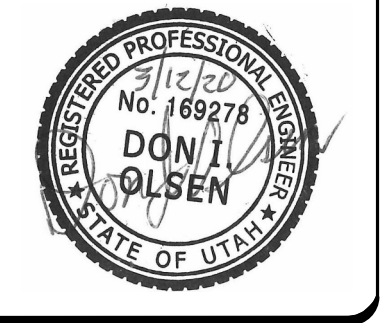
FEBRUARY 2020



**REVISIONS**

MARK	DATE	DESCRIPTION

DRAWN: TMA  
 DESIGNER: DLF  
 REVIEWED: DIO  
 PROJECT #  
 00-00-000



**SCALES**

As indicated

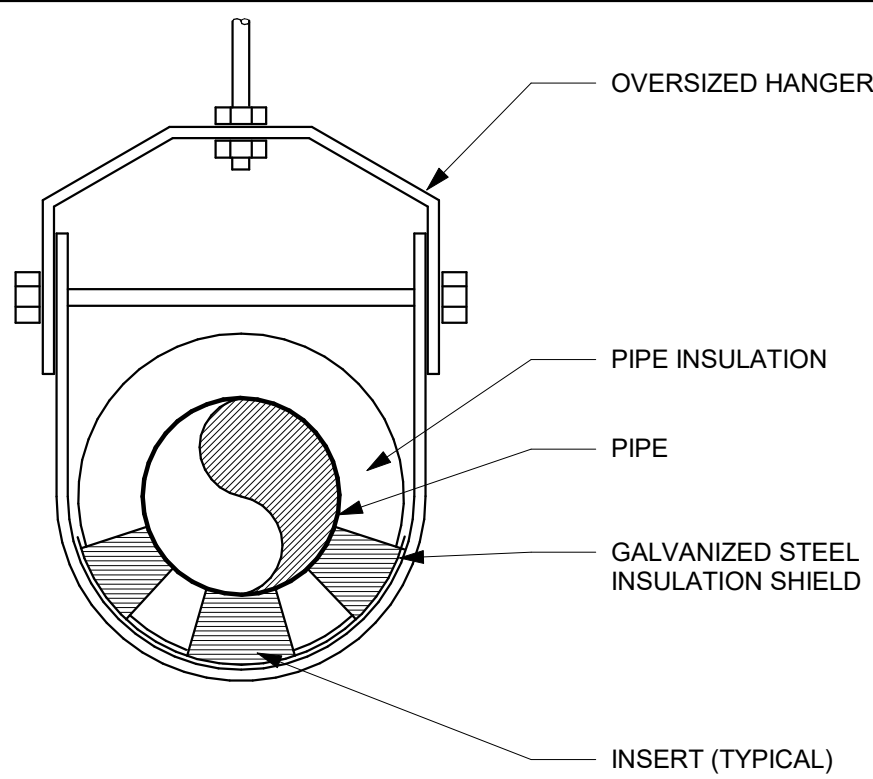
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**BLOSSOM RESTAURANT**

**PROJECT LOCATION:**  
 2082 N HILLCREST RD  
 SARATOGA SPRINGS,  
 UT

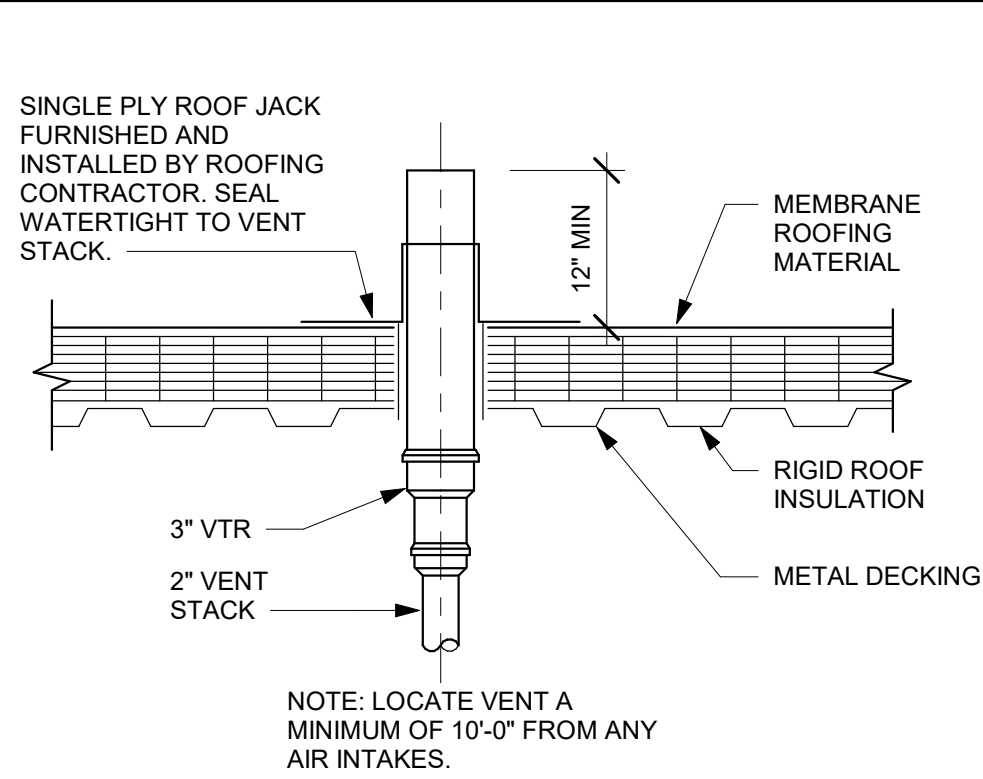
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**FIRST LEVEL SANITARY PLAN**

**PLAN SET:** PERMIT  
**SHEET:** P2.1

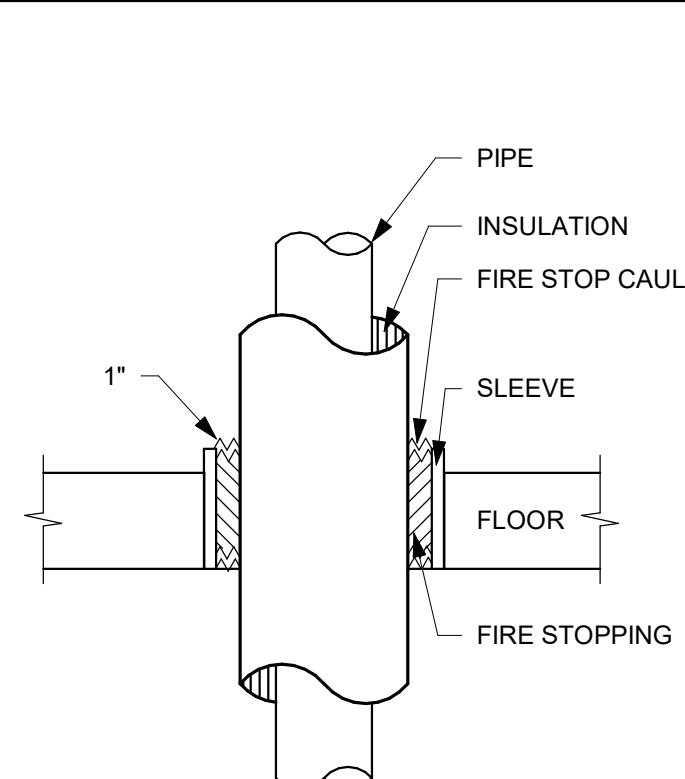
1 FIRST LEVEL SANITARY PLAN  
 3/16" = 1'-0"



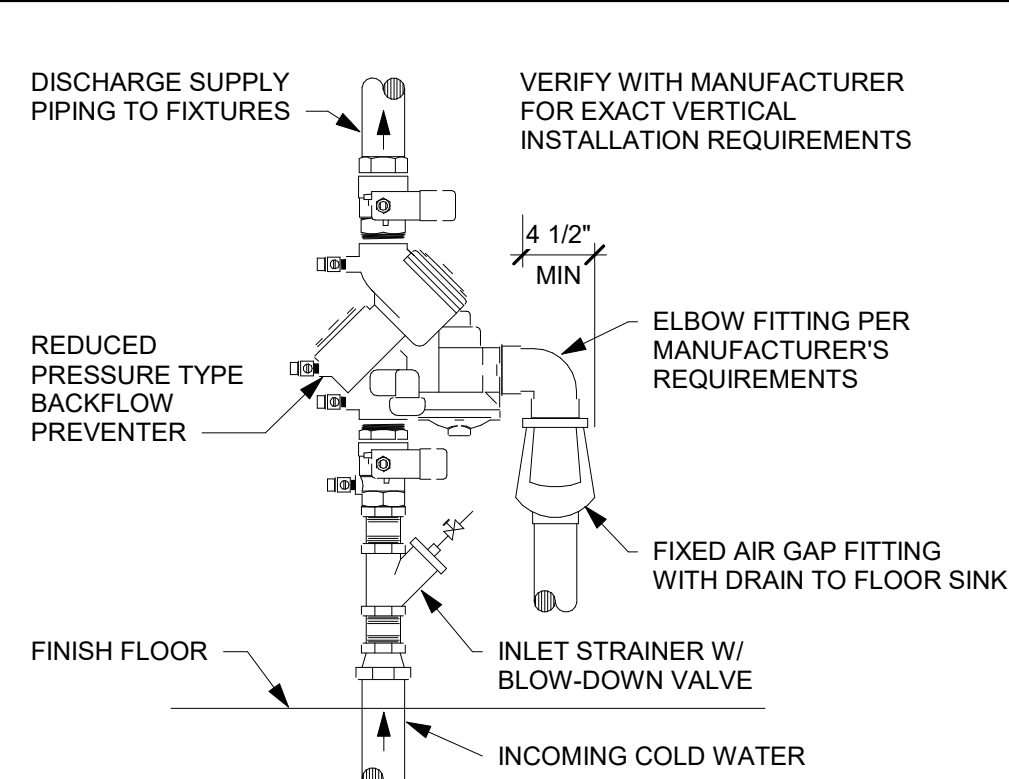
1 PIPE HANGER DETAIL  
N.T.S.



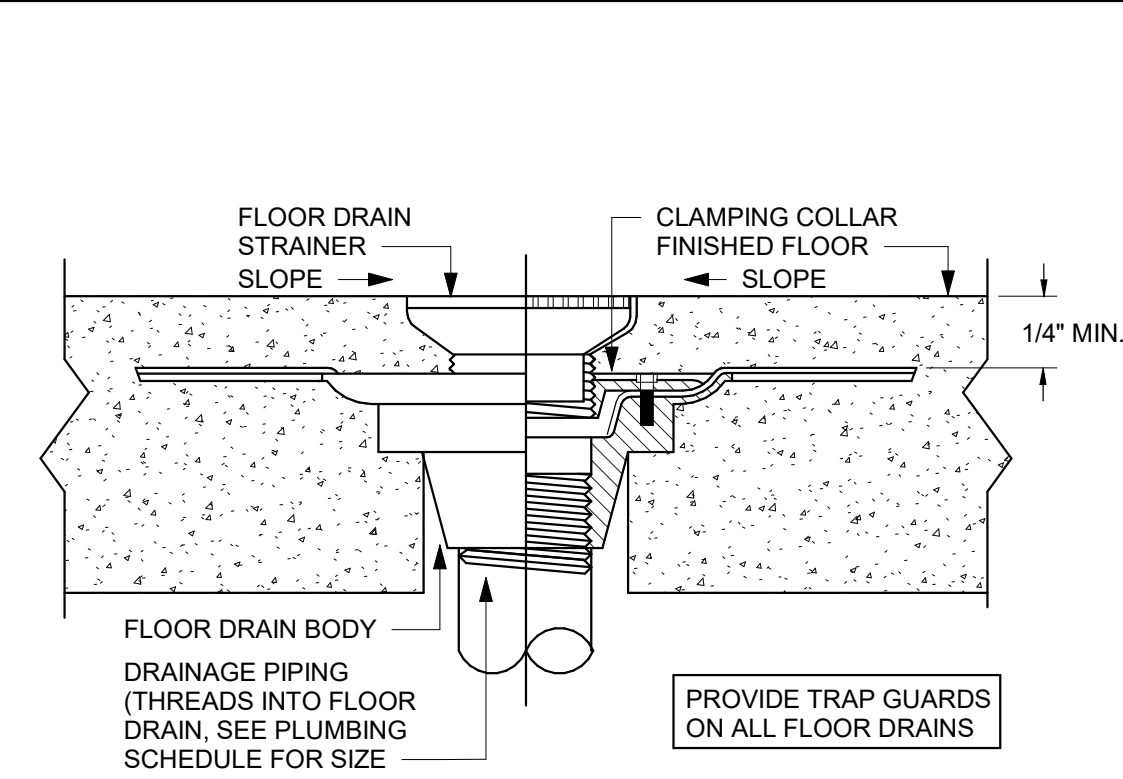
2 VENT THROUGH ROOF DETAIL  
N.T.S.



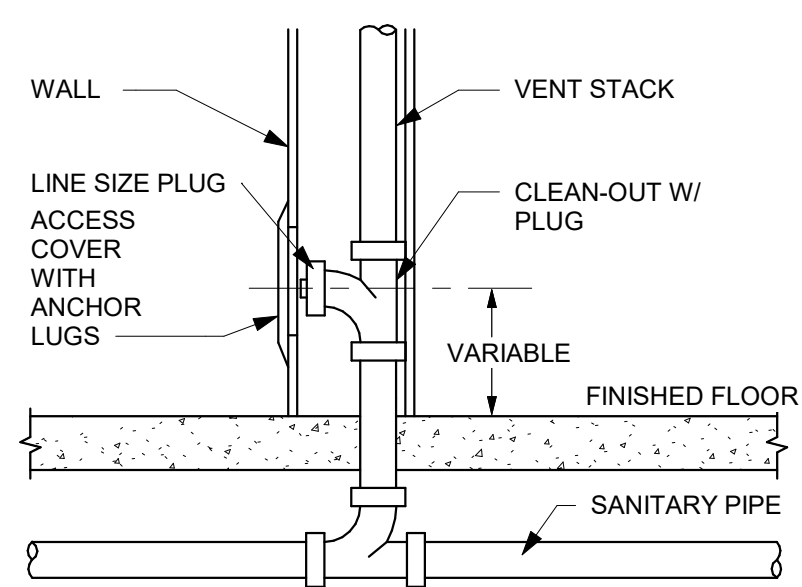
3 PIPE FLOOR PENTRATION DETAIL  
N.T.S.



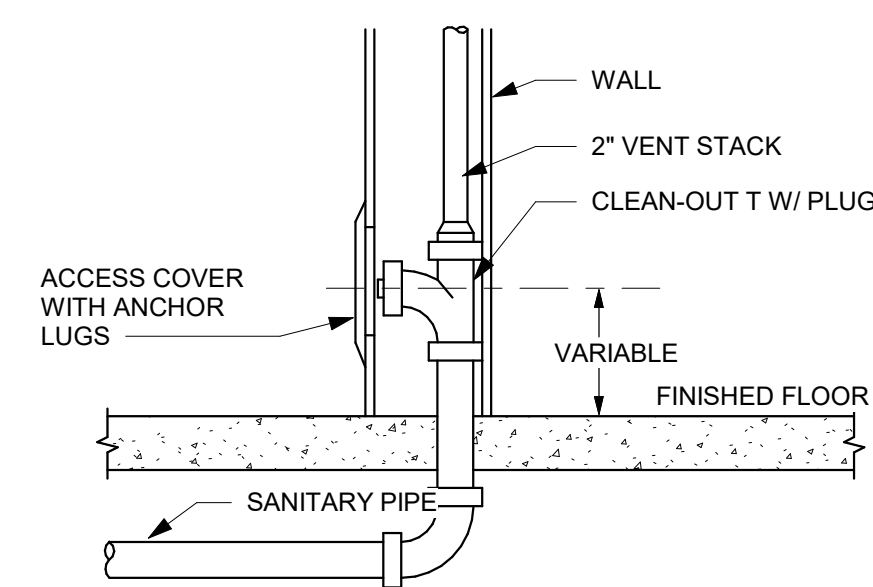
4 REDUCED PRESSURE BACKFLOW PREVENTER  
N.T.S.



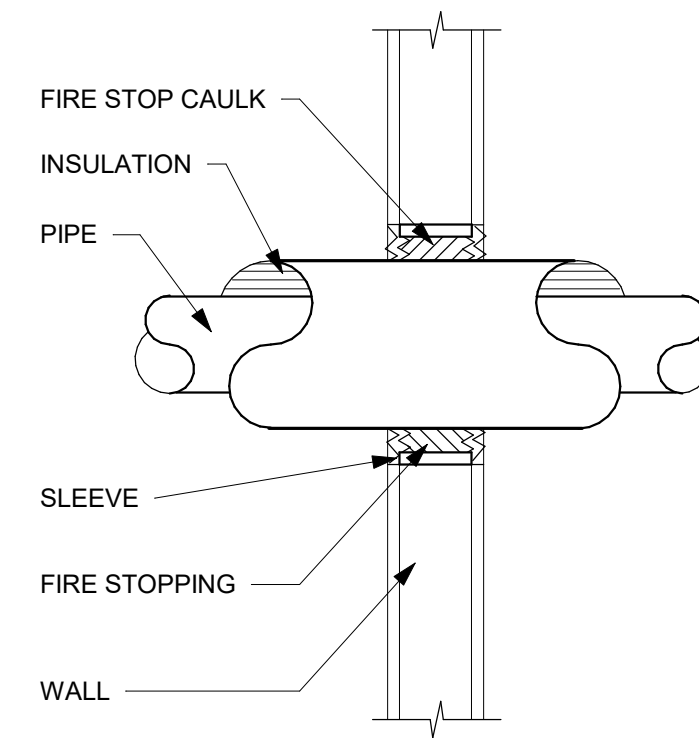
5 FLOOR DRAIN DETAIL  
N.T.S.



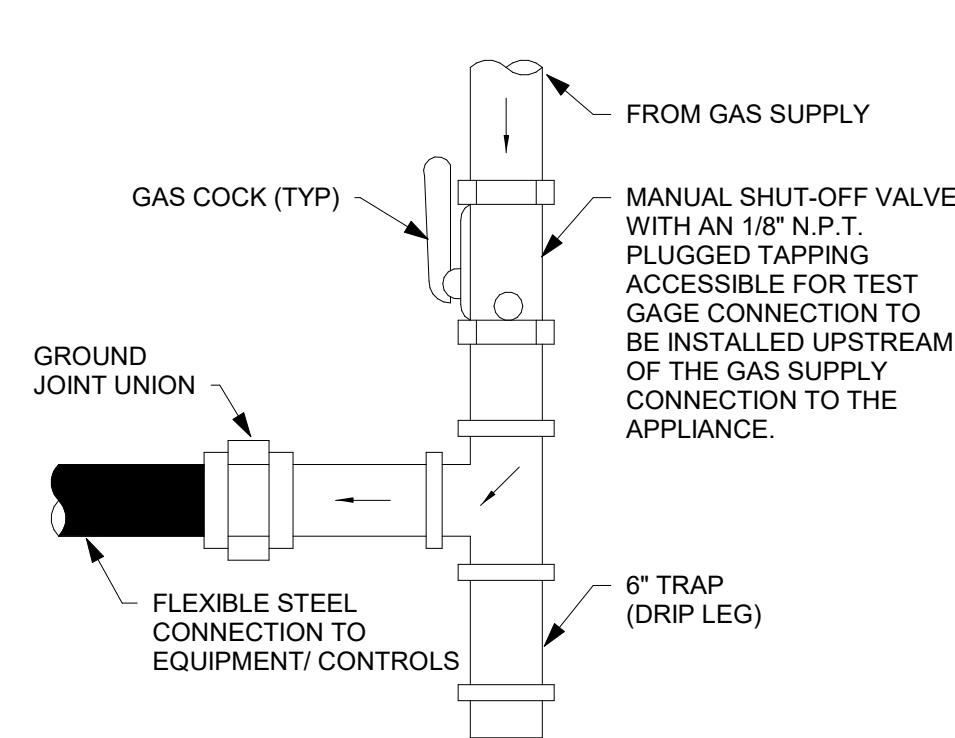
6 WALL CLEAN-OUT DETAIL (MID LINE)  
N.T.S.



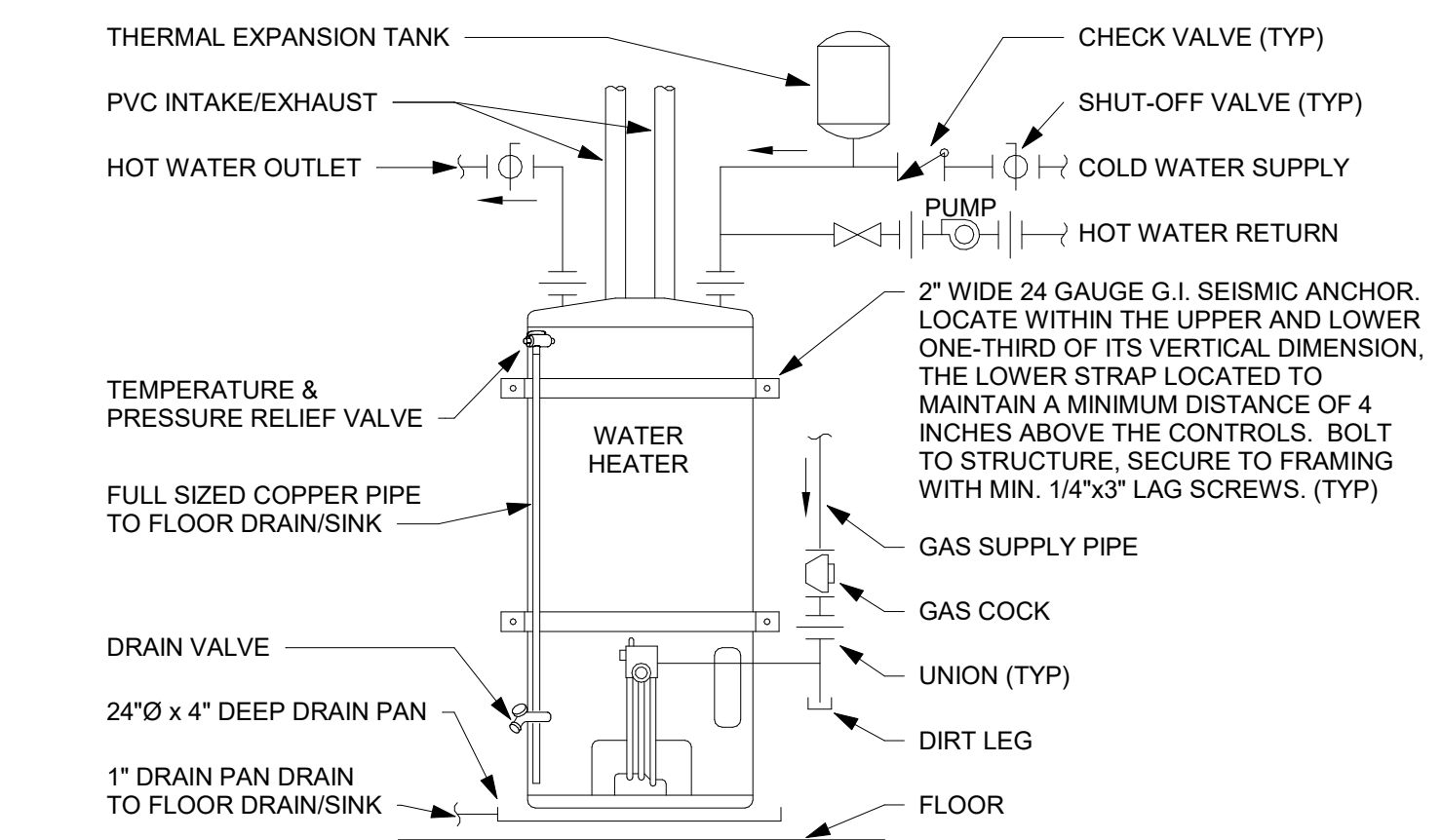
7 WALL CLEAN-OUT DETAIL (END LINE)  
N.T.S.



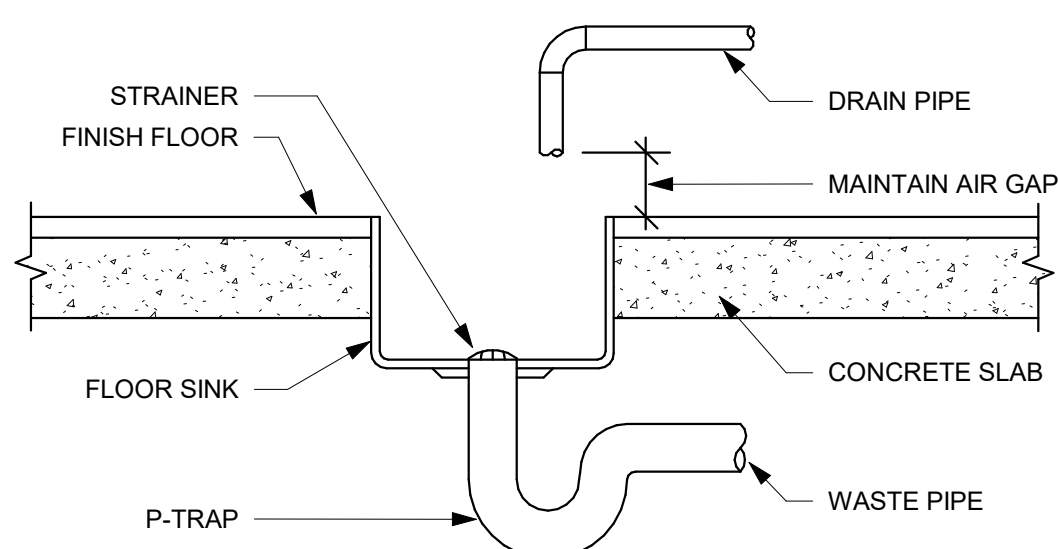
8 PIPE WALL PENTRATION DETAIL  
N.T.S.



9 GAS CONNECTION  
N.T.S.



10 WATER HEATER PIPING (CLOSED COMBUSTION)(RECIRCULATION) DETAIL  
N.T.S.



11 FLOOR SINK DETAIL  
N.T.S.

GAS SCHEDULE				
GAS PIPING SIZED IN ACCORDANCE WITH 2015 IFGC TABLE 402.4(7) WITH THE FOLLOWING CRITERIA:				
DEVELOPED LENGTH: 300 FT				
INLET PRESSURE: < 2 PSI				
PRESSURE DROP: 0.3" W.C.				
SPECIFIC GRAVITY: 0.60				
TAG	BTU INPUT	COUNT	BTU INPUT	
FR-1	180,000 Btu/h	1	180,000 Btu/h	
GR-1	180,000 Btu/h	1	180,000 Btu/h	
MAU-1	80,000 Btu/h	1	80,000 Btu/h	
RTU-1	260,000 Btu/h	1	260,000 Btu/h	
RTU-2	65,000 Btu/h	1	65,000 Btu/h	
WH-1	100,000 Btu/h	1	100,000 Btu/h	
			865,000 Btu/h	

PLUMBING FIXTURE SCHEDULE

GENERAL FIXTURE NOTES:

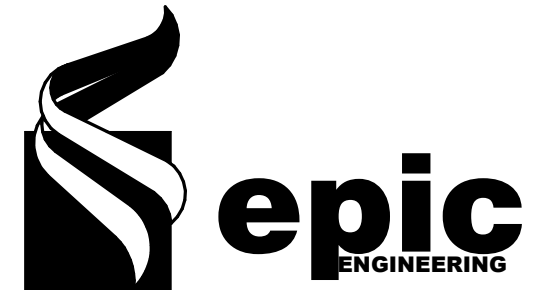
1. THE PLUMBING CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF ALL PLUMBING EQUIPMENT AND THE RELATED ROUGH IN LOCATIONS WITH THE MECHANICAL AND ARCHITECTURAL PLANS AND SPECIFICATIONS. PROVIDE ALL ACCESSORIES AND OPTIONS REQUIRED TO PROVIDE THE OWNER A COMPLETELY FUNCTIONAL PLUMBING SYSTEM.
2. ALL WALL HUNG PLUMBING FIXTURES SHALL BE SUPPORTED BY FLOOR MOUNTED CARRIERS BY WADE, SMITH, JOSHAM, MIFAB, OR WATTS. CARRIERS SHALL BE CONSTRUCTED UTILIZING ALL METAL COMPONENTS WITH SUPPORT FEET SECURELY ANCHORED TO THE FLOOR STRUCTURE FIXTURES ARMS SHALL SUPPORT FIXTURE INDEPENDENT FROM WALL STRUCTURE.
3. EACH INDIVIDUAL FIXTURE SUPPLY SHALL BE PROVIDED WITH A CHROME-PLATED QUARTER TURN STOP VALVE BRASSCRAFT MODEL KTCR OR ENGINEER APPROVED EQUAL.
4. FIXTURES AND ACCESSORIES SHALL BE AS SCHEDULED. EACH ITEM SHALL BE COMPLETE WITH CHROME-PLATED BRASS TRIM.
5. ADA COMPLIANT FIXTURES SHALL BE INSTALLED WITH PRE-FORMED INSULATION AND PROTECTIVE COVERS ON P-TRAPS AND STOPS. COVERS TO BE MANUFACTURED BY BUCKAROOS OR TRUEBRO.
6. CAULK ALL FIXTURES TO THE WALL OR FLOOR WITH APPLICABLE SILICONE COMPOUND. UTILIZE MULTIPLE BEADS TO FILL GAPS AND FINISH TO SMOOTH, FILLETED EDGE. USE APPROPRIATE TOOLS TO PROVIDE PROFESSIONAL APPEARANCE.
7. ALL PLUMBING SHALL BE INSTALLED TO CONFORM TO THE LATEST ADOPTED EDITION OF THE INTERNATIONAL PLUMBING CODE INCLUDING LOCAL AMENDMENTS. CONSULT AUTHORITIES HAVING...
8. PROVIDE TEMPORARY TOILET FACILITIES DURING CONSTRUCTION PER IPC SECTION 311.1 AND ANSI Z4.3.
9. ALL LAVATORIES TO BE PROVIDED WITH WATER-TEMPERATURE LIMITING DEVICE IN COMPLIANCE WITH ASSE 1070
10. WATER HAMMER ARRESTORS ARE TO BE PROVIDED AT ALL QUICK CLOSING VALVES AND FLUSHMETERS PER IPC 604.9

TAG	CW	HW	SAN	VENT	MANUFACTURER	MODEL	COUNT	DESCRIPTION
FD-1			2"	2"	BY OWNER	BY OWNER	6	FLOOR DRAIN
FS-1			3"	1 1/2"	BY OWNER	BY OWNER	8	FLOOR SINK
IM-1	1/2"		2"	2"	BY OWNER	BY OWNER	2	ICE CUBE MAKER
L-1	1/2"	1/2"	1 1/4"	1 1/4"	BY OWNER	BY OWNER	5	LAVATORY
MH-1			4"		BY OWNER	BY OWNER	1	SAMPLING MAN HOLE TO COMPLY WITH CITY REQUIREMENTS
MS-1	1/2"	1/2"	1 1/2"	1 1/2"	BY OWNER	BY OWNER	2	MOP SINK
OS-1			4"		BY OWNER	BY OWNER	1	800 GALLON GREASE TRAP TO COMPLY WITH CITY REQUIREMENTS
S-1	1/2"	1/2"	1 1/2"	1 1/2"	BY OWNER	BY OWNER	4	HAND SINK
S-2	1/2"	1/2"	2"	2"	BY OWNER	BY OWNER	1	HAND SINK
S-3	1/2"	1/2"	2"	2"	BY OWNER	BY OWNER	2	HAND SINK
S-4	1/2"	1/2"	1 1/2"	1 1/2"	BY OWNER	BY OWNER	2	HAND SINK
LU-1	1/2"		2"	2"	BY OWNER	BY OWNER	2	URINAL
WC-1	1/2"		3"	2"	BY OWNER	BY OWNER	3	WATER CLOSET
WC-2	1/2"		3"	2"	BY OWNER	BY OWNER	1	ADA WATER CLOSET

CONSTRUCTION NOTES

DATE

FEBRUARY 2020



REVISIONS

MARK	DATE	DESCRIPTION

DRAWN: TMA  
DESIGNER: DLF  
REVIEWED: DIO

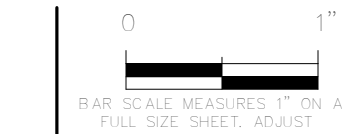
PROJECT #

00-00-000



SCALES

As indicated



PROJECT NAME:

**BLOSSOM RESTAURANT**

PROJECT LOCATION:

**2082 N HILLCREST RD  
SARATOGA SPRINGS,  
UT**

SHEET TITLE:

**PLUMBING DETAILS  
AND SCHEDULES**

PLAN SET:

PERMIT

SHEET

**P5.1**

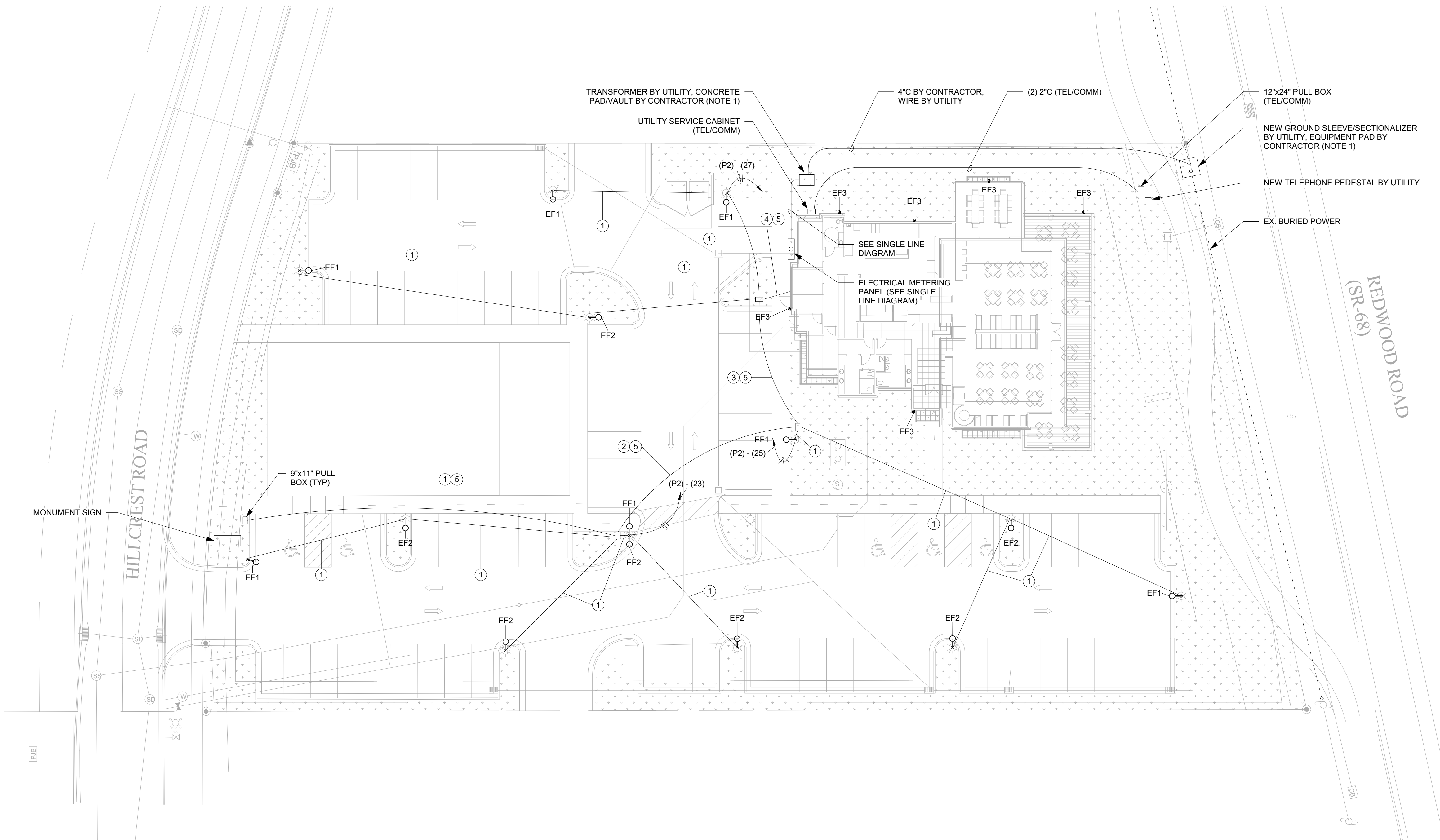




MARK	CONDUIT/CONDUCTORS
1	(2) #10, #10 GND, 1"C
2	(4) #10, #10 GND, 1"C
3	(6) #10, #10 GND, 1"C
4	(8) #10, #10 GND, 1"C
5	(2) 1"C (SPARE)

Exterior Lighting Fixture Schedule					
Mark	Manufacturer	Model	Wattage	Count	Mounting Height
EF1	EATON	EMM-E04-LED-E1-T4-SO-BK-8030 W/ VA6105 SINGLE POLE MOUNT ARM	97 W	7	16'-0"
EF2	EATON	EMM-E03-LED-E1-T3-SO-BK-8030 W/ VA6105 SINGLE POLE MOUNT ARM	97 W	7	16'-0"
EF3	KICHLER	WESLEY #49278AZTLED; 8W, 3000K	8 W	6	10'-0"

NOTE:  
 ONE HOUR AFTER CLOSING OR BY 11:00PM, WHICHEVER IS EARLIER, BUSINESSES MUST TURN OFF AT LEAST FIFTY PERCENT (50%) OF BUILDING LIGHTING AND LIGHTING FIXTURES IN SURFACE PARKING LOTS AND ON TOP DECKS OF PARKING STRUCTURES; HOWEVER, THOSE LIGHTING FIXTURES TURNED OFF MAY BE SET TO FUNCTION UTILIZING A MOTION DETECTOR SYSTEM. LIGHTS MAY BE TURNED BACK ON ONE HALF HOUR PRIOR TO THE FIRST EMPLOYEE SHIFT.

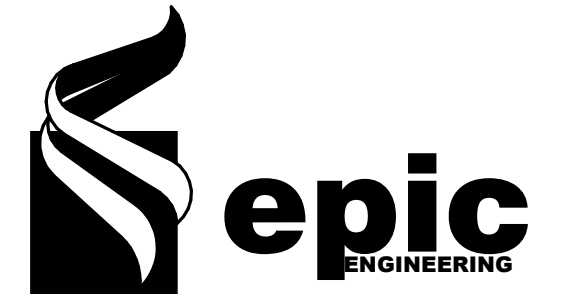


**CONSTRUCTION NOTES**

- CONFIRM ALL SIZES & LOCATIONS WITH UTILITY REQUIREMENTS

**DATE**

MARCH 2020



**REVISIONS**

MARK	DATE	DESCRIPTION

DRAWN: TMA  
 DESIGNER: KDC  
 REVIEWED: DIO  
 PROJECT #  
 18SM2079.82



**SCALES**

As indicated

**PROJECT NAME:**  
**BLOSSOM RESTAURANT**

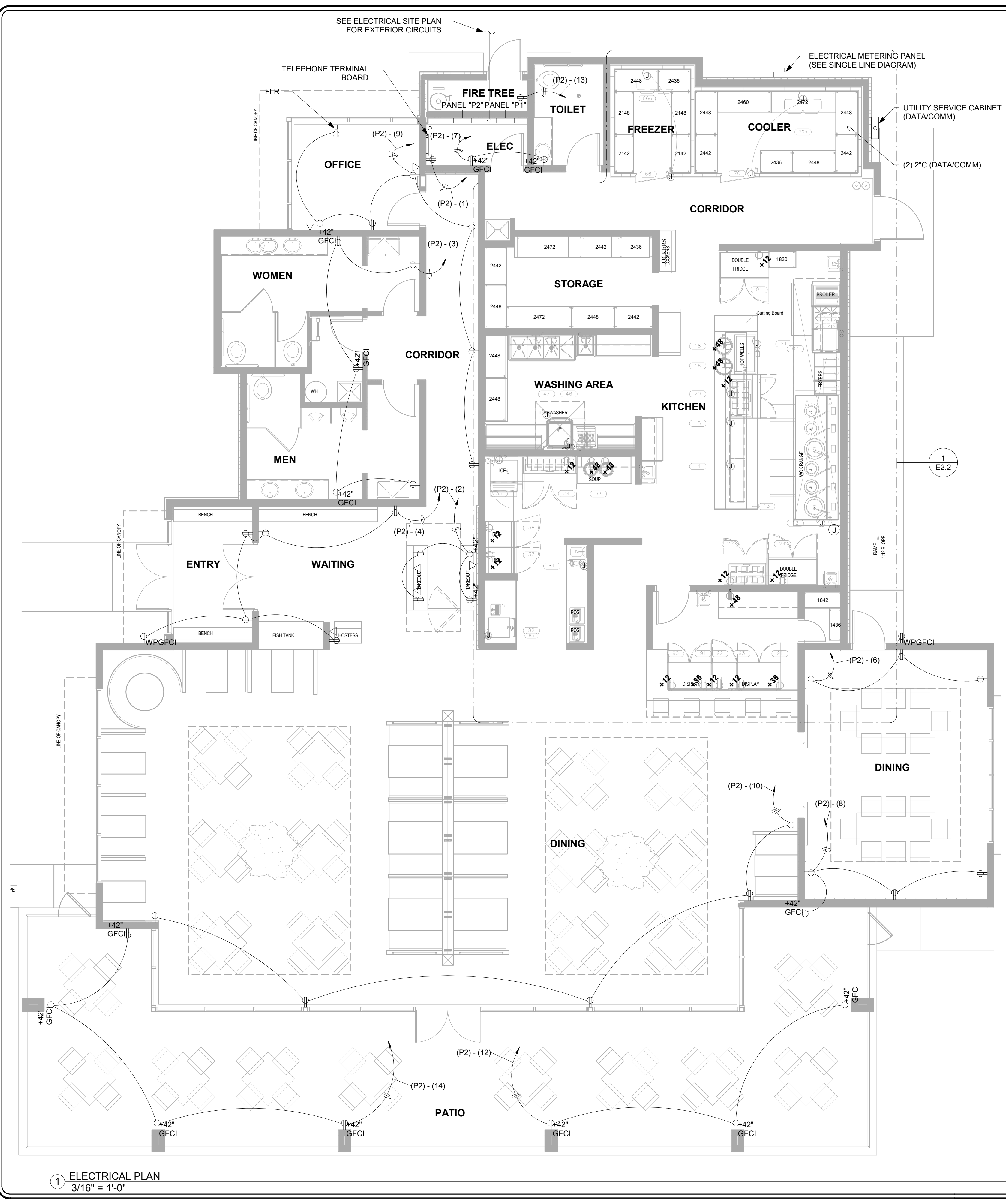
**PROJECT LOCATION:**  
 2082 N. HILLCREST RD.  
 SARATOGA SPRINGS,  
 UT

**SHEET TITLE:**  
**ELECTRICAL SITE PLAN**

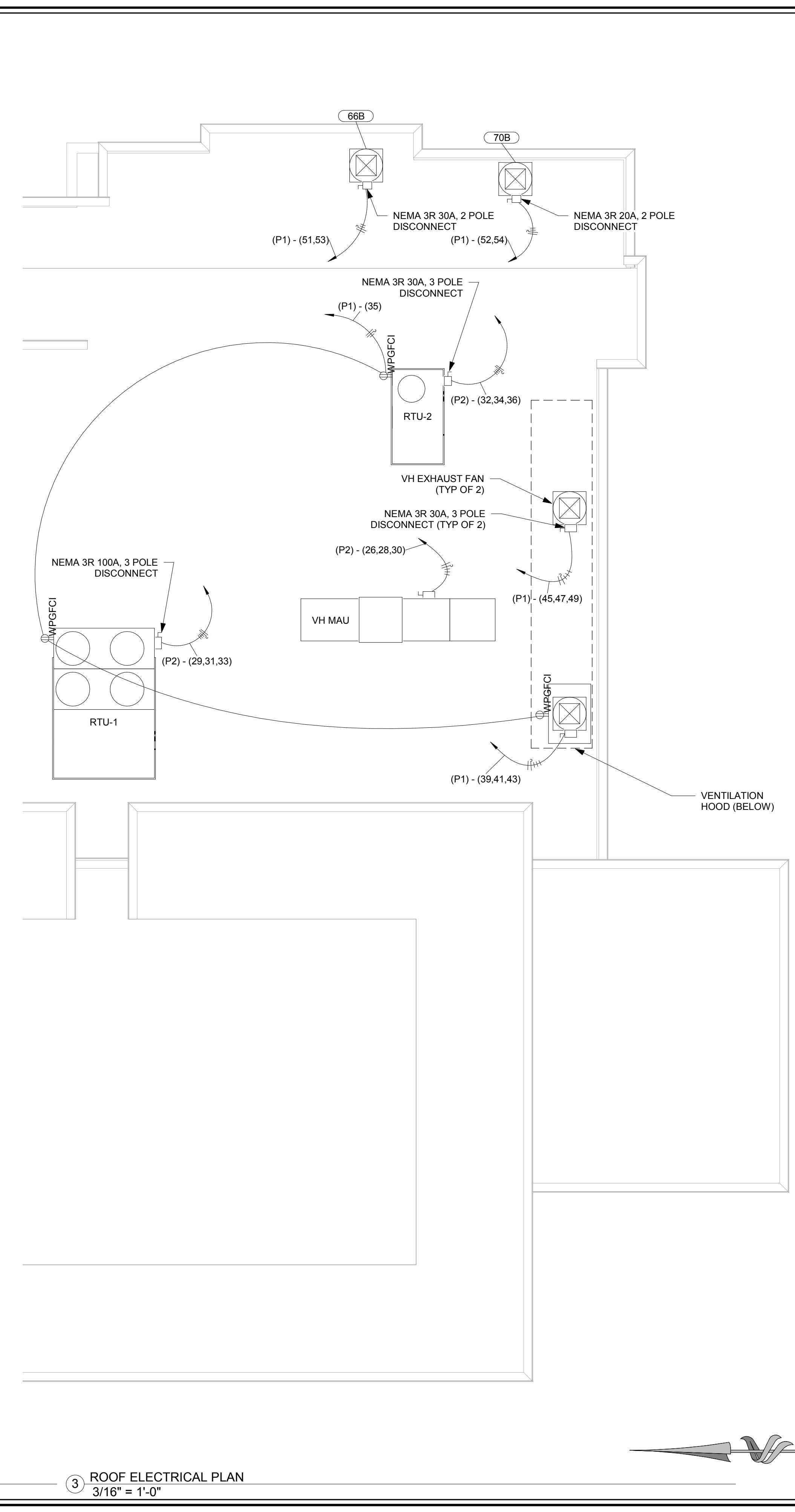
**PLAN SET:** PERMIT **SHEET** E1.1

1 ELECTRICAL SITE PLAN  
 1" = 20'-0"

S:\PROJECTS\18SM2079.82\PROJECTS\18SM2079.82\Architectural\Blossom Restaurant\Restaurant\_ELEC.PLT



1 ELECTRICAL PLAN  
3/16" = 1'-0"



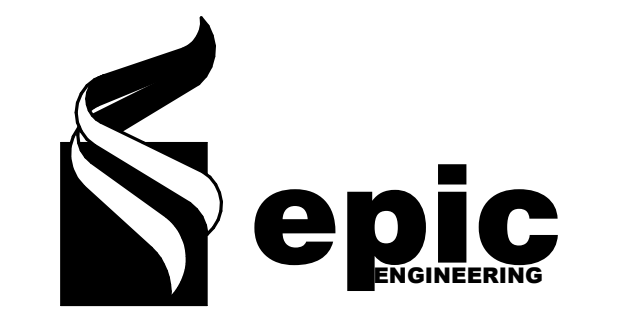
3 ROOF ELECTRICAL PLAN  
3/16" = 1'-0"

**CONSTRUCTION NOTES**

1. FIRE ALARM SYSTEM SHALL BE DESIGN BUILD BY CONTRACTOR & FIRE ALARM SYSTEM SUPPLIER.
2. ROUTE POWER CIRCUITS FOR VENT HOOD ACCESSORIES THROUGH VENT HOOD CONTROL PANEL. CONTRACTOR SHALL COMPLETE ADDITIONAL FIELD WIRING AS REQUIRED INCIDENTAL TO ACCESSORY ITEMS PROVIDED WITH VENT HOOD INCLUDING LIGHTS, SWITCHES, EVAPORATIVE COOLER, VALVES, FIRE ALARM COMPONENTS, AND ALL CONTROL WIRING BETWEEN THE VENT HOOD CONTROL PANEL AND ALL ACCESSORY ITEMS.
3. CONFIRM ALL POWER & LOCAL DISCONNECT REQUIREMENTS FOR EQUIPMENT W/ MANUFACTURER INSTRUCTIONS.
4. PROVIDE FLOOR BOX WITH WATERPROOF SEAL OR HARDWARE APPLIANCE. COORDINATE WITH OWNER FOR POWER TO ISLAND VIA SAWCUT OR CEILING DROP.

**DATE**

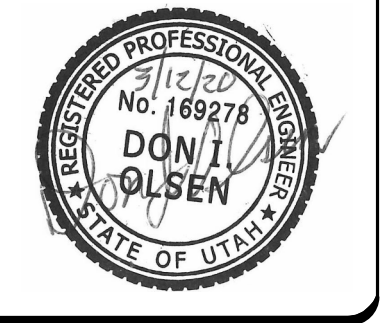
MARCH 2020



**REVISIONS**

MARK	DATE	DESCRIPTION

DRAWN: KDC  
DESIGNER: KDC  
REVIEWED: DIO  
PROJECT #  
18SM2079.82



**SCALES**

As indicated

**PROJECT NAME:**  
**BLOSSOM RESTAURANT**

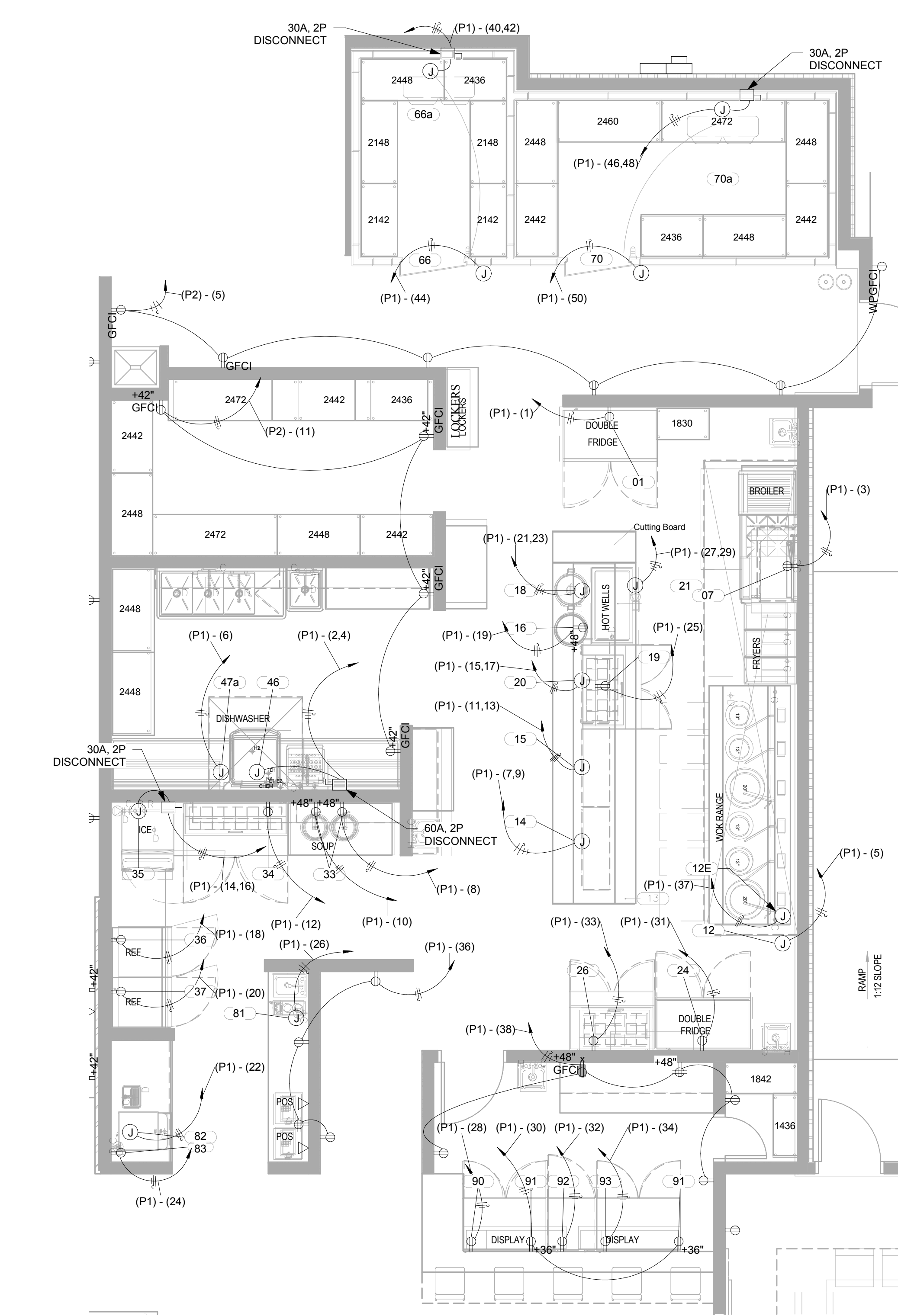
**PROJECT LOCATION:**  
**2082 N. HILLCREST RD.  
SARATOGA SPRINGS,  
UT**

**SHEET TITLE:**  
**ELECTRICAL PLAN**

**PLAN SET:** PERMIT  
**SHEET:** E2.1

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EQUIPMENT SCHEDULE															
ITEM NO	QTY	EQUIPMENT CATEGORY	EQUIPMENT REMARKS	AMPS	KW	HP	VOLTS	PHASE	CYCLE	DIRECT	PLUG	NEMA	ELECTRICAL AFF (IN)	ELEC REMARKS	ITEM NO
01	1	REFRIGERATOR, REACH-IN	-	6.0	0.7	0.3	115	1	60	-	X	5-15P	12	-	01
07	1	REFRIGERATOR, SHORTY	-	9.0	1.0	0.3	115	1	60	-	X	5-15P	12	-	07
12	1	TYPE 1 HOOD	-	15.0	-	-	120	1	60	-	X	-	DFA	-	12
12A	1	EXHAUST FAN	-	-	-	7-1/2	208	3	60	-	X	-	ROOF	-	12A
12B	1	MAKE-UP AIR UNIT (MAU)	-	-	-	7-1/2	208	3	60	-	X	-	ROOF	-	12B
12D	1	ELECTRICAL	-	21.0	-	7-1/2	200-240	3	60	-	X	-	DFA	-	12D
12E	1	FIRE SUPPRESSION	-	20.0	-	-	120	1	60	-	X	-	108	-	12E
13	1	COUNTER W/ DOUBLE OVERSHELF	-	-	-	-	-	-	-	-	X	-	DFA	-	13
14	1	WARMER, FOOD OVERHEAD	-	11.0	2.2	-	208	1	60	X	-	-	DFA	-	14
15	1	WARMER, FOOD OVERHEAD	-	11.0	2.2	-	208	1	60	X	-	-	DFA	-	15
16	1	WARMER, RICE	-	-	8.4	-	120	1	60	-	X	5-15P	48	-	16
18	1	WARMER, FOOD OVERHEAD	-	11.0	2.2	-	208	1	60	X	-	-	DFA	-	18
19	1	REFRIGERATOR, SANDWICH/SALAD PREP	-	9.0	0.6	0.3	115	1	60	-	X	5-15P	12	-	19
20	1	WARMER, FOOD OVERHEAD	-	11.0	2.2	-	208	1	60	X	-	-	DFA	-	20
21	1	DROP-IN, HOT WELLS	-	13.0	2.7	-	208	1	60	X	-	-	24	**ATTACH TO COUNTER**	21
24	1	REFRIGERATOR, REACH-IN	-	6.0	0.7	0.3	115	1	60	-	X	5-15P	12	-	24
26	1	REFRIGERATOR, SANDWICH/SALAD PREP	-	9.0	0.6	0.3	115	1	60	-	X	5-15P	12	-	26
33	2	TUREEN/KETTLE, SOUP	-	8.0	0.9	-	120	1	60	-	X	5-15P	48	-	33
34	1	REFRIGERATOR, SANDWICH/SALAD PREP	-	8.0	1.2	0.3	115	1	60	-	X	5-15P	12	-	34
35	1	ICE MAKER/BIN, NUGGET ICE	-	17.0	-	-	230	1	60	X	-	-	70	-	82
36	1	REFRIGERATOR, REACH-IN	-	6.0	-	0.2	115	1	60	-	X	5-15P	72	-	36
37	1	REFRIGERATOR, REACH-IN	-	6.0	-	0.2	115	1	60	-	X	5-15P	72	-	37
46	1	WAREWASHER, DOOR TYPE, HIGH TEMP	-	43.0	5.0	2.0	208-240	1	60	X	-	-	72	-	46
-	-	-	-	36.0	8.5	-	208-240	1	60	X	-	-	72	-	-
47A	1	EXHAUST FAN	-	7.0	-	1/3	115	1	60	-	X	-	ROOF	-	47A
66	1	WALK-IN FREEZER	-	15.0	-	-	120	1	60	-	X	-	DFA	-	66
66A	1	BLOWER COIL	-	20.0	4.0	-	208-230	1	60	-	X	-	DFA	-	66A
66B	1	FREEZER CONDENSER - REMOTE	-	20.0	-	-	208-230	1	60	-	X	-	ROOF	-	66B
70	1	WALK-IN COOLER	-	15.0	-	-	120	1	60	-	X	-	DFA	-	70
70A	1	BLOWER COIL	-	6.0	-	0.8	208-230	1	60	-	X	-	DFA	-	70A
70B	1	COOLER CONDENSER - REMOTE	-	-	-	0.8	208-230	1	60	-	X	-	ROOF	-	70B
81	1	COFFEE MAKER, AUTOMATIC	-	20.0	2.4	-	120	1	60	X	-	-	48	-	80
82	1	ICE MAKER, NUGGET STYLE	-	9.0	-	-	115	1	60	X	-	-	70	-	82
83	1	DISPENSER, BEVERAGE/CARBONATED & NON-CARBONATED	***SEE SODA VENDOR***	-	-	-	-	-	-	-	-	-	-	***SEE SODA VENDOR***	83
90	1	REFRIGERATOR, UNDERCOUNTER, ADA	-	3.0	0.6	0.2	115	1	60	-	X	5-15P	12	-	90
91	1	DISPLAY CASE, REFRIGERATED, SUSHI	-	1.0	-	-	115	1	60	-	X	5-15P	12	-	91
92	1	FREEZER, UNDERCOUNTER	-	9.0	0.6	0.3	115	1	60	-	X	5-15P	12	-	92
93	1	DISPLAY CASE, REFRIGERATED, SUSHI	-	1.0	-	-	115	1	60	-	X	5-15P	24	-	93



1 KITCHEN ELECTRICAL PLAN  
1/4" = 1'-0"

**CONSTRUCTION NOTES**

- FIRE ALARM SYSTEM SHALL BE DESIGN BUILD BY CONTRACTOR & FIRE ALARM SYSTEM SUPPLIER.
- ROUTE POWER CIRCUITS FOR VENT HOOD ACCESSORIES THROUGH VENT HOOD CONTROL PANEL. CONTRACTOR SHALL COMPLETE ADDITIONAL FIELD WIRING AS REQ'D INCIDENTAL TO ACCESSORY ITEMS PROVIDED WITH VENT HOOD INCLUDING LIGHTS, SWITCHES, EVAPORATIVE COOLER, VALVES, FIRE ALARM COMPONENTS, AND ALL CONTROL WIRING BETWEEN THE VENT HOOD CONTROL PANEL AND ALL ACCESSORY ITEMS.
- CONFIRM ALL POWER & LOCAL DISCONNECT REQUIREMENTS FOR EQUIPMENT W/ MANUFACTURER INSTRUCTIONS.
- PROVIDE FLOOR BOX WITH WATERPROOF SEAL OR HARDWARE APPLIANCE. COORDINATE WITH OWNER FOR POWER TO ISLAND VIA SAWCUT OR CEILING DROP.

**DATE**

MARCH 2020

**REVISIONS**

MARK	DATE	DESCRIPTION

<p>DRAWN: TMA DESIGNER: KDC REVIEWED: DIO</p> <p>PROJECT # <b>18SM2079.82</b></p>	
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**SCALES**

As indicated

**PROJECT NAME:**

**BLOSSOM RESTAURANT**

**PROJECT LOCATION:**

**2082 N. HILLCREST RD.  
SARATOGA SPRINGS,  
UT**

**SHEET TITLE:**

**KITCHEN ELECTRICAL PLAN**

<b>PLAN SET:</b>	<b>SHEET</b>
<b>PERMIT</b>	<b>E2.2</b>



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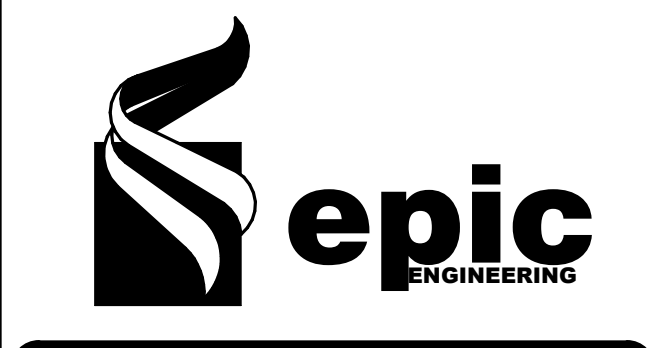


Lighting Fixture Schedule			
Mark	Fixture Description	Max Wattage	Count
CF-1	EXTERIOR CEILING FAN	64 W	5
F1	2x4 RECESSED TROFFER (SEALED)	33 W	20
F2	PENDANT	17 W	17
F3	RECESSED CAN	17 W	43
F4	EMERGENCY/EXIT COMBO	3 W	8
F7	LARGE PENDANT/CHANDELIER	17 W	2
F8	RECESSED CAN - EXTERIOR	17 W	10
F9	DIRECTIONAL WALL WASHER	50 W	3
F10	BATH VANITY	18 W	5
F11	CEILING MOUNTED	15 W	8

NOTE: COORDINATE LIGHT FIXTURES WITH OWNER. LIGHT FIXTURE WATTAGES SHALL NOT EXCEED THOSE SHOWN.

- CONSTRUCTION NOTES**
- A LIGHTING CONTROL PANEL OR TIMER SHALL BE PROVIDED FOR ALL LIGHTING CIRCUITS NOT CONTROLLED BY OCCUPANCY SENSORS WHERE AUTOMATIC SHUT-OFF WOULD NOT POSE DANGER TO PERSONNEL.
  - WALL OCCUPANCY SENSORS SHALL HAVE SELECTABLE MODES FOR AUTOMATIC AND MANUAL ON. PROVIDE PHOTO SENSOR WITH AUTOMATIC DIMMING IN DAYLIGHT AREAS.
  - HARD WIRE SECURITY LIGHT FIXTURE TO REMAIN ON CONTINUOUSLY. PROVIDE BATTERY BACK-UP FOR A MINIMUM OF 1 HOUR. ROUTE THROUGH LIGHTING CONTROL PANEL FOR COMPLIANCE WITH IECC REQUIREMENTS.
  - VERIFY THAT EXISTING EXTERIOR LIGHTING IS PROVIDED WITH EMERGENCY BACK-UP POWER FOR EMERGENCY EGRESS. PROVIDE BATTERY BACK-UP IF NEEDED.

**DATE**  
MARCH 2020



**REVISIONS**

MARK	DATE	DESCRIPTION

DRAWN: TMA  
 DESIGNER: KDC  
 REVIEWED: DIO

PROJECT #  
18SM2079.82

**SCALES**  
As indicated

**PROJECT NAME:**  
**BLOSSOM RESTAURANT**

**PROJECT LOCATION:**  
2082 N. HILLCREST RD.  
SARATOGA SPRINGS,  
UT

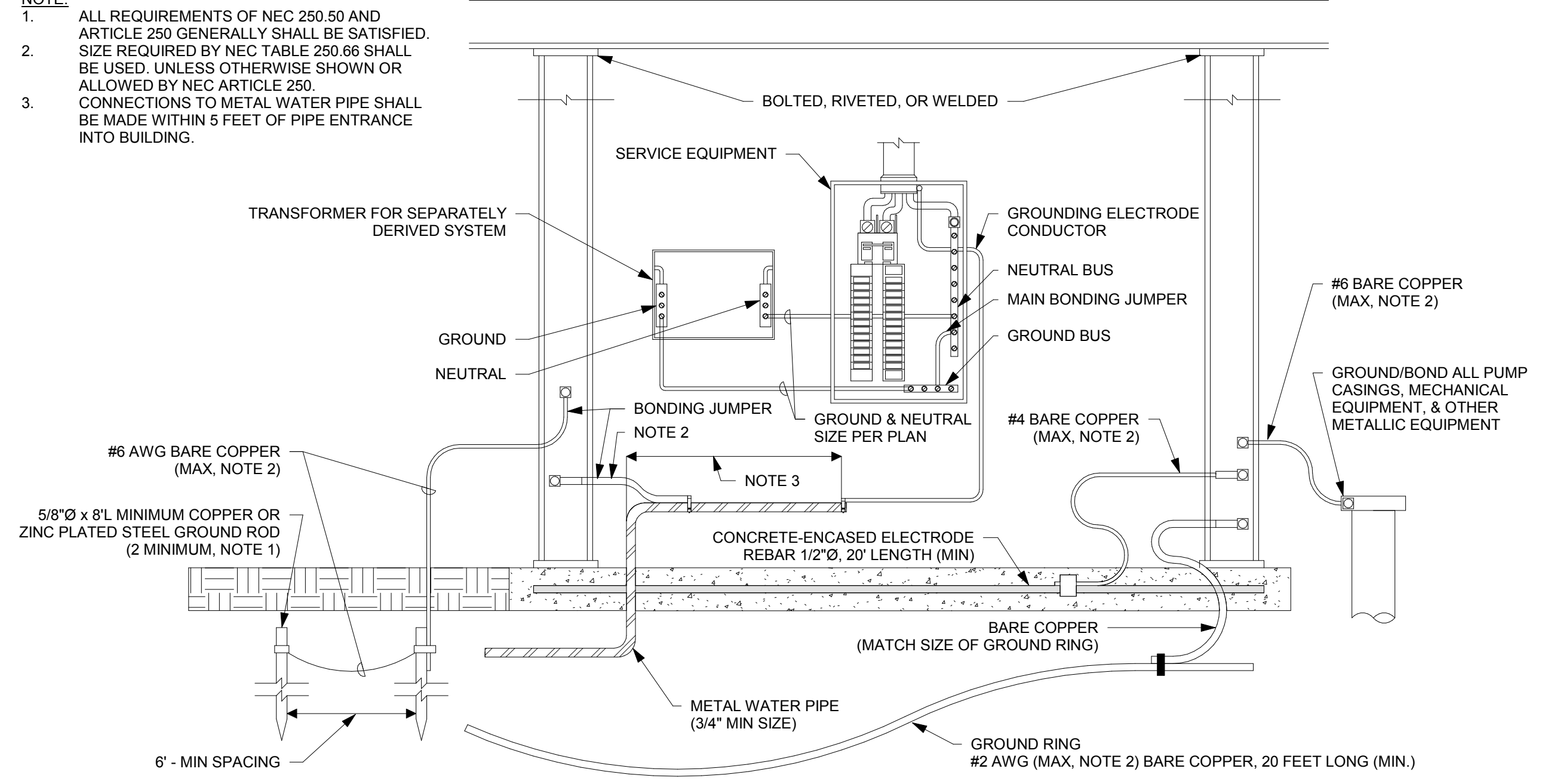
**SHEET TITLE:**  
**LIGHTING PLAN**

**PLAN SET:** PERMIT  
**SHEET:** E3.1

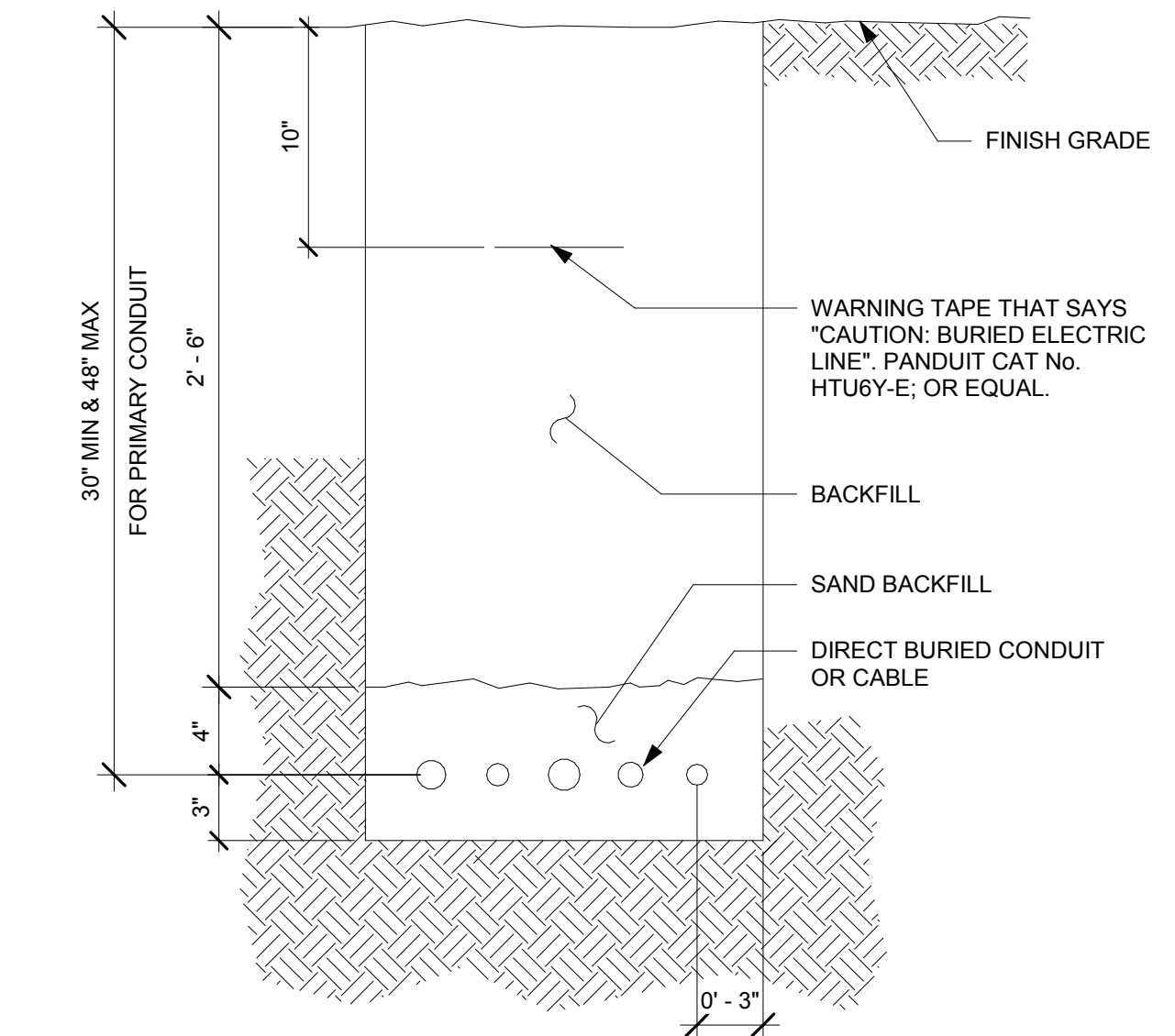
1 LIGHTING PLAN  
3/16" = 1'-0"



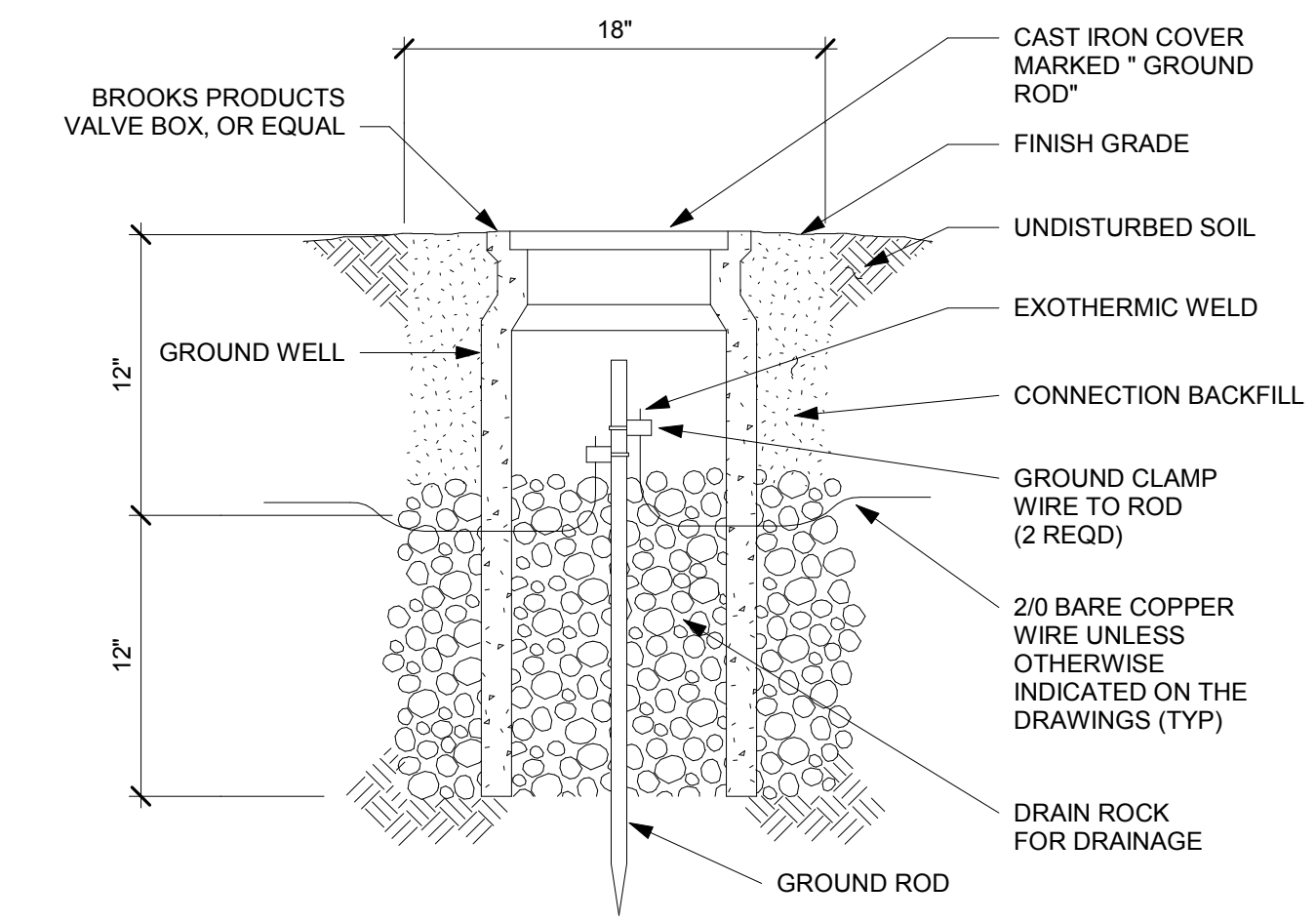
**NOTE:**  
 1. ALL REQUIREMENTS OF NEC 250.50 AND ARTICLE 250 GENERALLY SHALL BE SATISFIED.  
 2. SIZE REQUIRED BY NEC TABLE 250.66 SHALL BE USED, UNLESS OTHERWISE SHOWN OR ALLOWED BY NEC ARTICLE 250.  
 3. CONNECTIONS TO METAL WATER PIPE SHALL BE MADE WITHIN 5 FEET OF PIPE ENTRANCE INTO BUILDING.



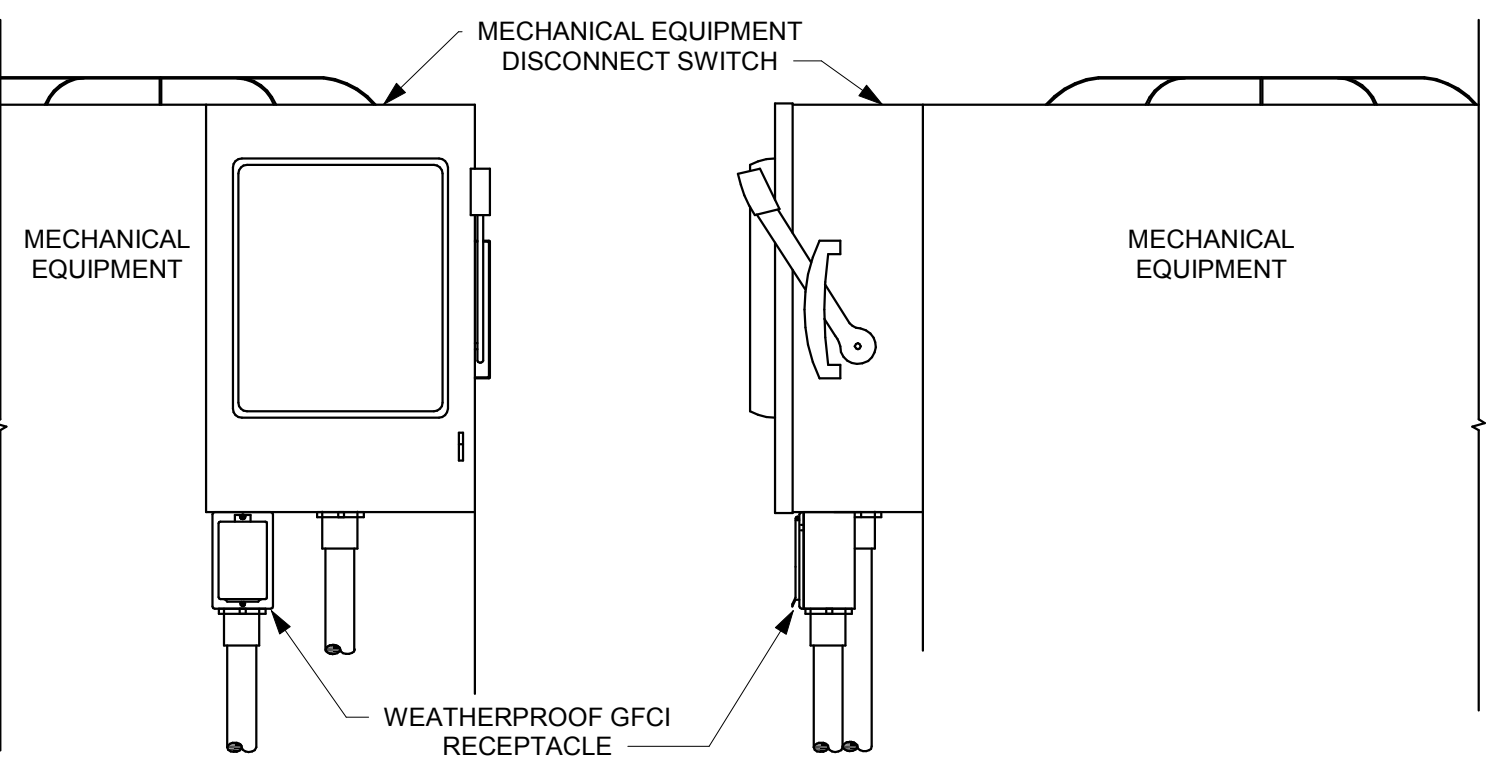
**1** GROUNDING ELECTRODE CONDUCTOR  
 N.T.S.



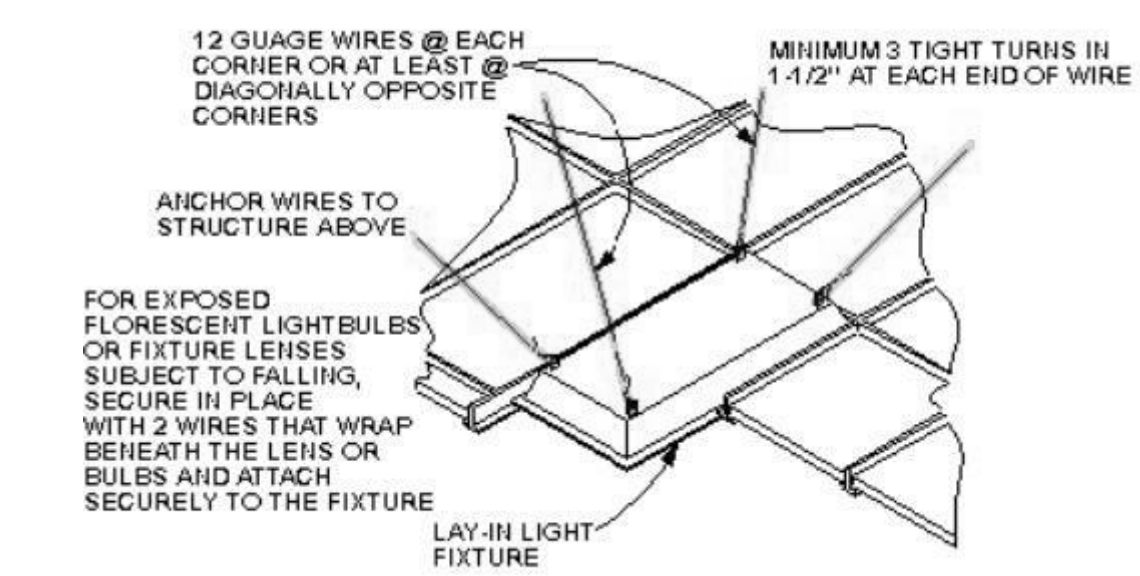
**3** DIRECT BURY CONDUIT DETAIL  
 N.T.S.



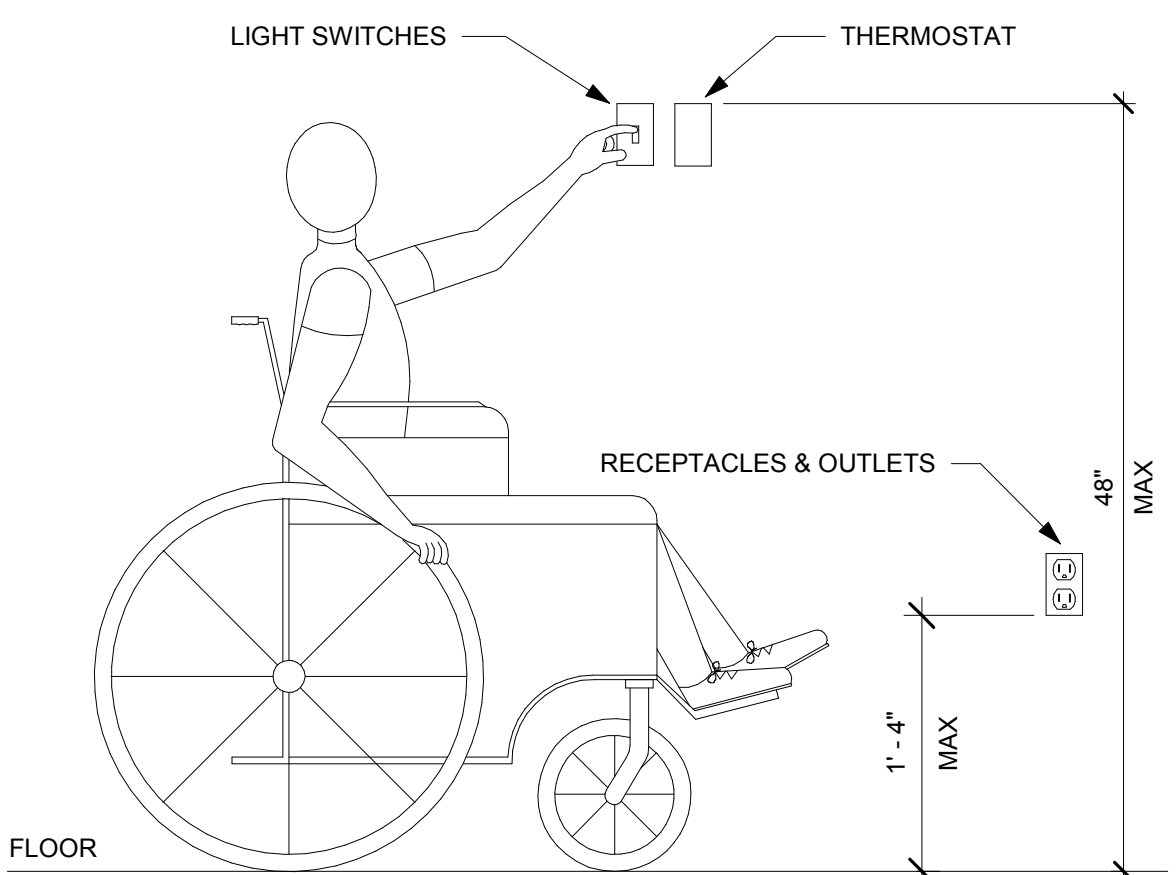
**4** GROUND ROD DETAIL  
 N.T.S.



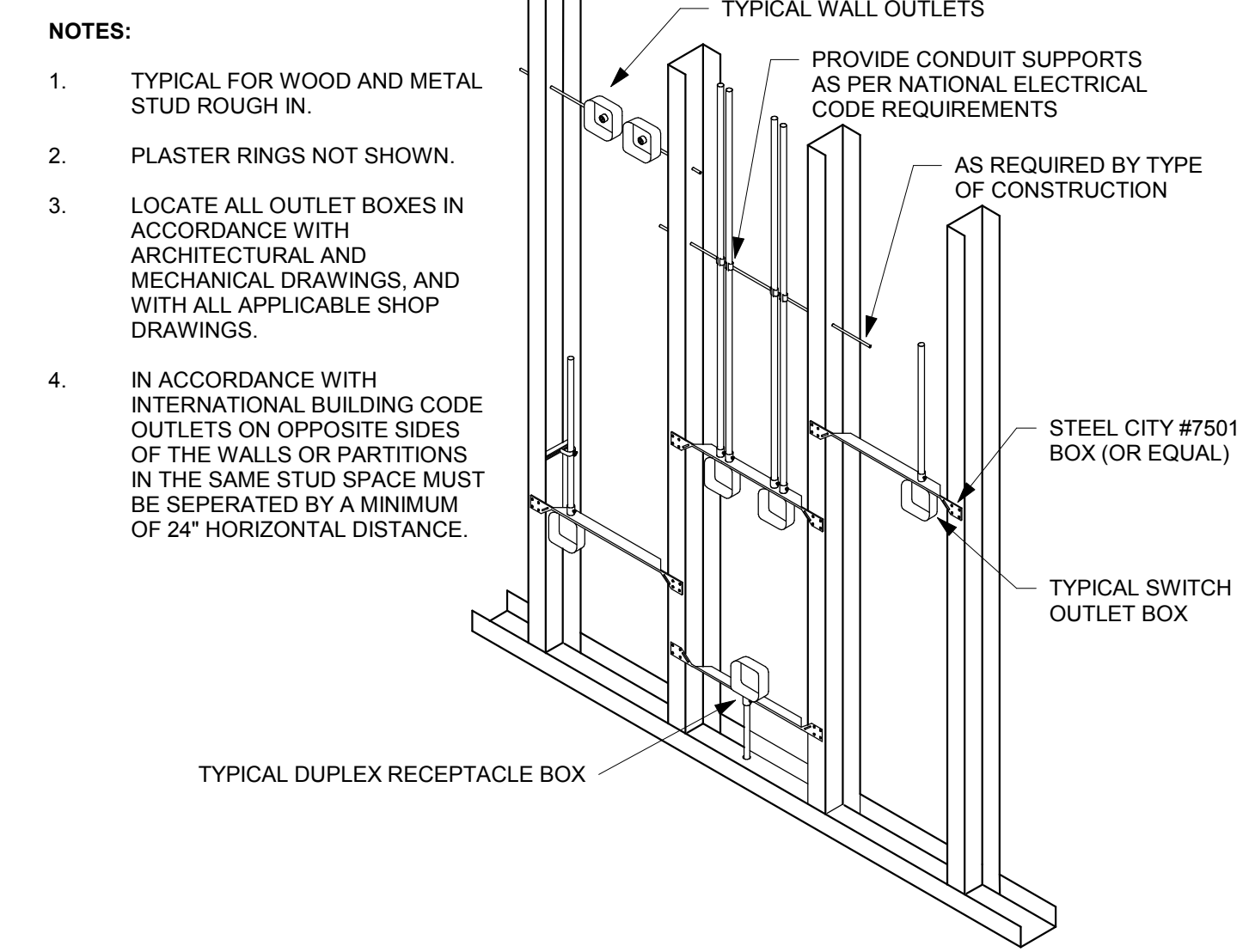
**2** WEATHER PROOF RECEPTACLE MOUNTING DETAIL  
 N.T.S.



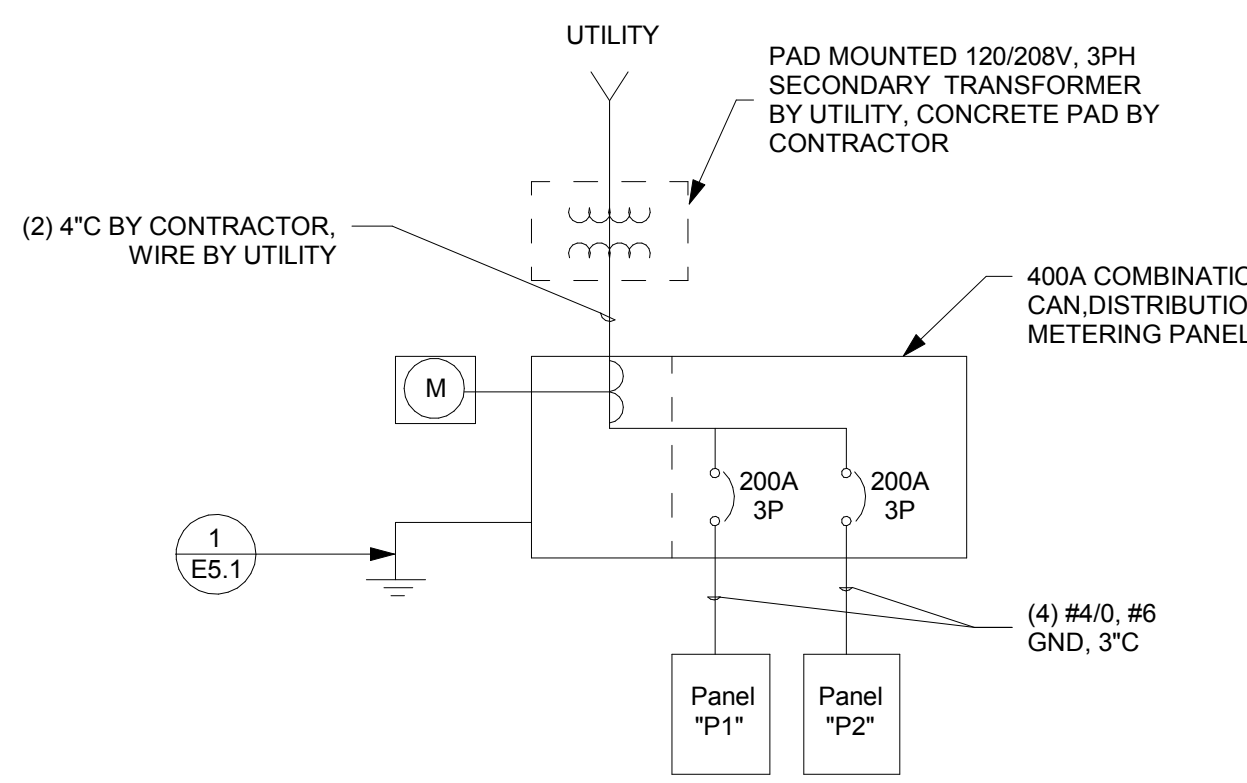
**8** SUSPENDED LIGHT FIXTURE SUPPORT  
 N.T.S.



**5** MOUNTING HEIGHTS DETAIL  
 N.T.S.

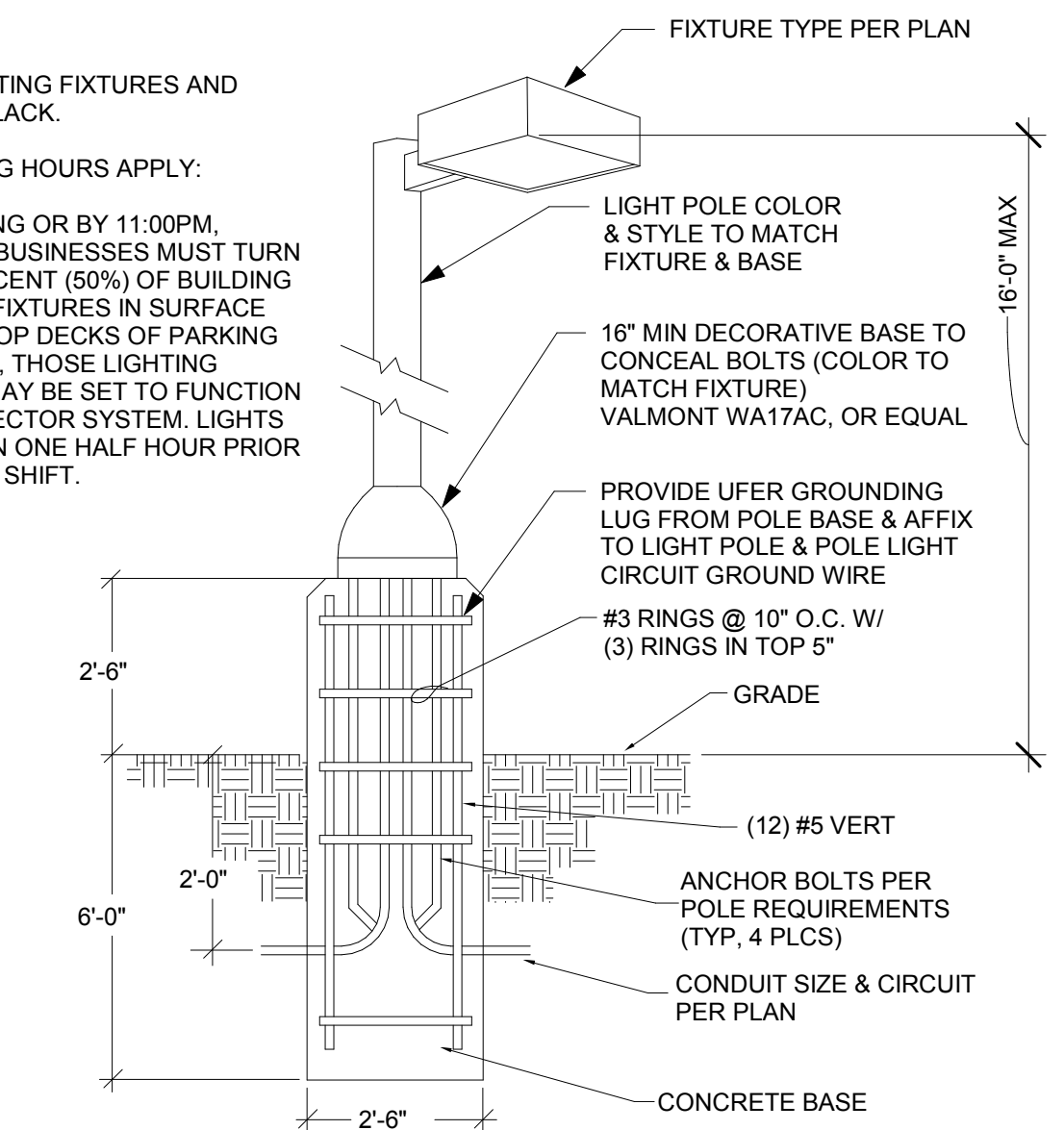


**7** TYPICAL ROUGH-IN REQUIREMENTS DETAIL  
 N.T.S.



**9** SINGLE LINE DIAGRAM  
 N.T.S.

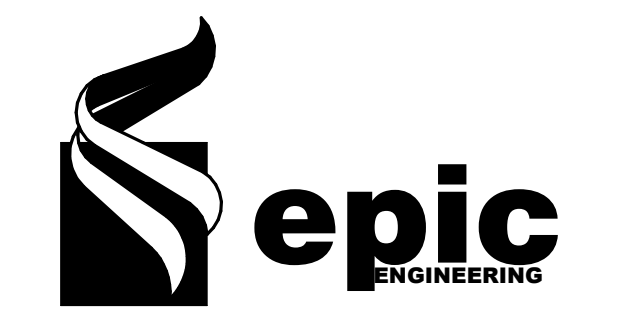
**LIGHTING NOTES:**  
 1. ALL FREESTANDING LIGHTING FIXTURES AND ASSEMBLIES SHALL BE BLACK.  
 2. THE FOLLOWING LIGHTING HOURS APPLY:  
 ONE HOUR AFTER CLOSING OR BY 11:00PM, WHICHEVER IS EARLIER, BUSINESSES MUST TURN OFF AT LEAST FIFTY PERCENT (50%) OF BUILDING LIGHTING AND LIGHTING FIXTURES IN SURFACE PARKING LOTS AND ON TOP DECKS OF PARKING STRUCTURES; HOWEVER, THOSE LIGHTING FIXTURES TURNED OFF MAY BE SET TO FUNCTION UTILIZING A MOTION DETECTOR SYSTEM. LIGHTS MAY BE TURNED BACK ON ONE HALF HOUR PRIOR TO THE FIRST EMPLOYEE SHIFT.



**6** LIGHT POLE BASE  
 N.T.S.

**CONSTRUCTION NOTES**

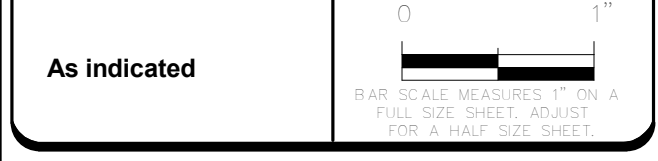
**DATE**  
 MARCH 2020



REVISIONS		
MARK	DATE	DESCRIPTION

DRAWN: KDC  
 DESIGNER: KDC  
 REVIEWED: DIO  
 PROJECT #  
 18SM2079.82

**SCALES**



**PROJECT NAME:**  
**BLOSSOM RESTAURANT**

**PROJECT LOCATION:**  
 2082 N. HILLCREST RD.  
 SARATOGA SPRINGS,  
 UT

**SHEET TITLE:**  
**ELECTRICAL DETAILS**

**PLAN SET:** PERMIT  
**SHEET:** E5.1