



DEVELOPMENT REVIEW COMMITTEE

Tuesday, October 27, 2020, at 10:00 AM
Court Room/Council Chambers (2nd Floor) and Online

MEETINGS HELD ONLINE ONLY

Pursuant to recent updates from the Utah State Department of Health regarding the number of people allowed to gather physically for a public meeting, in-person participation will be limited to elected and appointed city officials only. The public is invited to participate electronically as outlined below.

- **YouTube Live** – Public meetings will be shown live on the Santaquin City YouTube Channel, which can be found at https://www.youtube.com/channel/UCTzZT_yW2H2Hd-58M2_ddSw or by searching for Santaquin City Channel on YouTube.

ADA NOTICE

If you are planning to attend this Public Meeting and, due to a disability, need assistance in understanding or participating in the meeting, please notify the City Office ten or more hours in advance and we will, within reason, provide what assistance may be required.

AGENDA

NEW BUSINESS

1. Ridley's Pad Site C Site Plan

A site plan review of Ridley's Pad Site C, a 3 unit commercial building located at 500 E. and Main Street.

2. Parker View Subdivision Final Review

A final review of a 3 lot subdivision located at approximately Main Street and Highland Drive.

MEETING MINUTES APPROVAL

AJOURNMENT

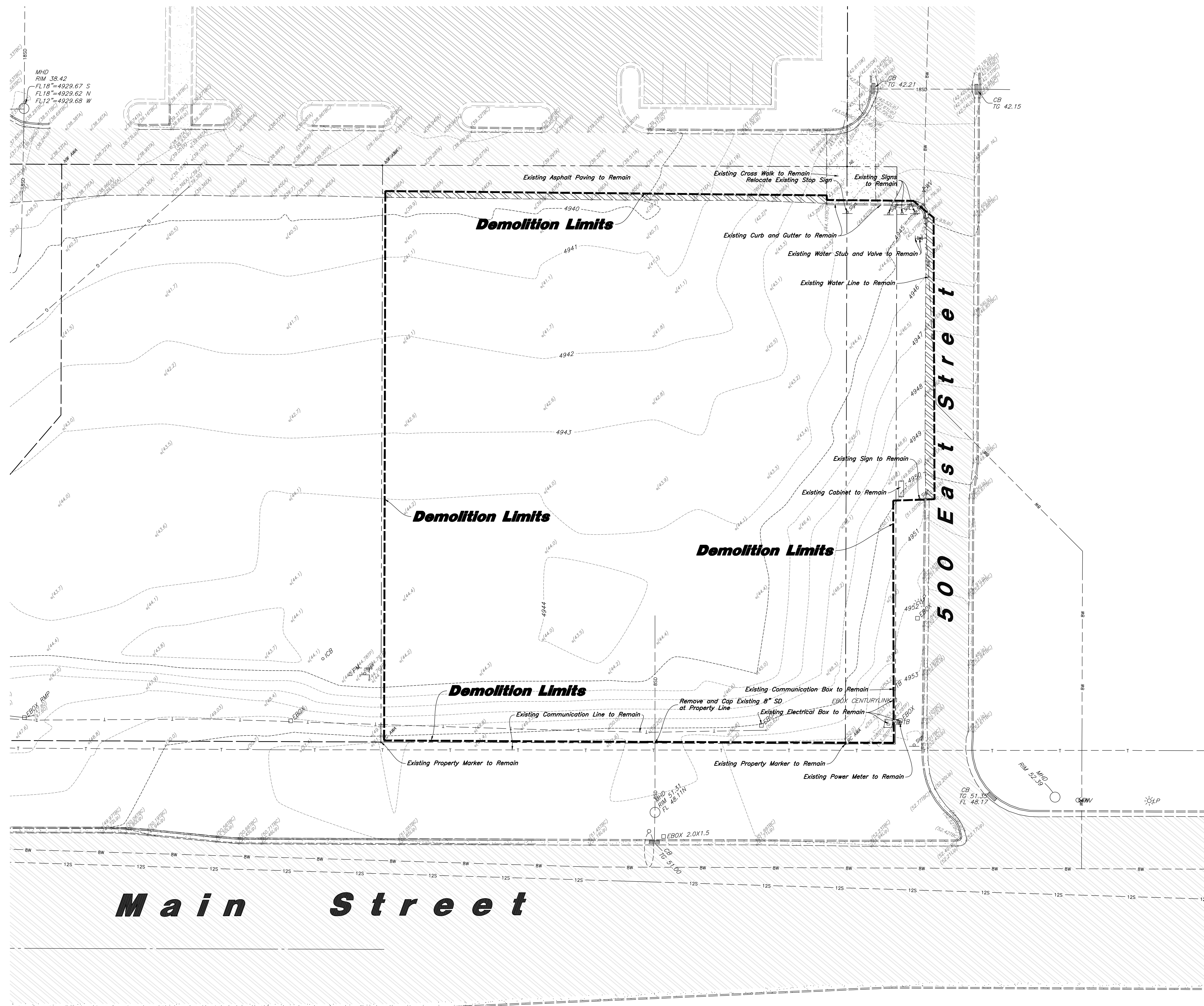
CERTIFICATE OF MAILING/POSTING

The undersigned duly appointed City Recorder for the municipality of Santaquin City hereby certifies that a copy of the foregoing Notice and Agenda was e-mailed to the Payson Chronicle, Payson, UT, 84651, posted on www.santaquin.org, as well as posted on the State of Utah's Public Website.

BY:

K. Aaron Shirley, City Recorder

2



General Demolition Notes:

1. Demolition and site clearing for this contract are to include all areas shown within demolition limits or by note.
2. Refer to site improvement plans for more details on limits of removal.
3. All curbs, gutters, walks, slabs, walls, fences, flatwork, asphalt, waterlines and meters, gas lines, sewer lines, light poles, buried cables, storm drain piping and structures to be cleared from site unless otherwise shown.
4. All utilities, sewer, water, gas, telephone and electrical services to be disconnected and capped according to city, county and utility company requirements, unless otherwise shown.
5. Excavated areas to be backfilled with clean granular material compacted to 95% of maximum lab density as determined by ASTM D 1557-78. (Test results to be given to owner) Excavated areas should be backfilled per the geotechnical report prepared for the project.
6. Clear and grub trees, shrubs, and vegetation within construction limits, disposal to be off-site except where noted otherwise.
7. DO NOT interrupt any services or disrupt the operation of any businesses shown outside the demolition limits.
8. Remove debris, rubbish, and other materials resulting from the demolition and site clearing operations from the site and dispose of in a legal manner.
9. The location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied upon as being exact or complete. Contractor shall contact authorities having jurisdiction for field locations. Contractor shall be responsible for protection of in place and relocated utilities during construction.
10. Stockpiles shall be graded to maintain slopes not greater than 3 horizontal to 1 vertical. Provide erosion control as needed to prevent sediment transport to adjacent drainage ways.
11. Contractor shall be responsible for disposal of all waste material. Disposal shall be at an approved site for such material. Burning onsite is not permitted.
12. Contractor shall verify with city any street removal, curb cuts, and any restoration required for utility line removal.
13. Install traffic warning devices as needed in accordance with local standards.
14. Contractor shall obtain all permits necessary for demolition from City, County, State or Federal Agencies as required.
15. If Contractor observes evidence of hazardous materials or contaminated soils he shall immediately contact the project engineer to provide notification and obtain direction before proceeding with disturbance of solid materials or contaminated soil.
16. Limits of demolition/disturbed areas shown on the plans may not be an exact depiction, it is the contractor's responsibility to determine the means and methods of how the work will be completed. The contractor shall determine the area of construction impact. The contractor is responsible to restore all impacted areas and all restoration shall be part of the contract bid.

CAUTION :

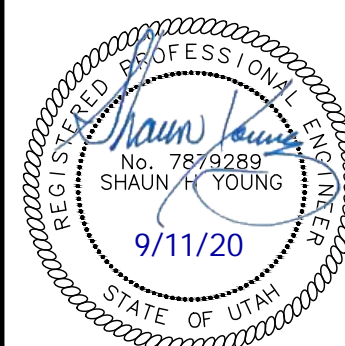
The location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete.



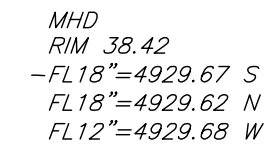
Designed by: SY
Drafted by: JD
Client Name:
Ridley's Family Markets
20-112 DM

ANDERSON WAHLEN & ASSOCIATES
2010 North Redwood Road, Salt Lake City, Utah 84116
(801) 321-8529 - awhengineering.net

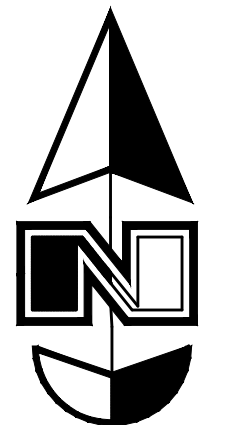
Demolition Plan
Ridley's Santaquin - Retail C
400 East and Main Street
Santaquin, UT



11 Sep, 2020
SHEET NO.
C0.1



A horizontal graphic scale bar with alternating black and white segments. It is marked with '0' at the center, '20'' at the left end, and '40'' at the right end.



- 1 Const. 24" Curb & Gutter 1
C4.1
- 2 Const. Asphalt Paving 2
C4.1
- 3 Const. Conc. Sidewalk 3
C4.1
- 4 Const. Thickened Edge Sidewalk 4
C4.1
- 5 Const. Accessible Striping per MUTCD & ICC/ANSI A117.1 (Latest Edition) 11
C4.2
(See Accessible Details and Notes)
- 6 Const. Accessible Ramp per ICC/ANSI A117.1 (Latest Edition) (See Accessible Details and Notes)
- 7 Const. Accessible Sign per MUTCD & ICC/ANSI A117.1 (Latest Edition) 13
C4.2
(See Accessible Details and Notes)
- 8 Const. Accessible VAN Sign per MUTCD & ICC/ANSI A117.1 (Latest Edition) 13
C4.2
(See Accessible Details and Notes)
- 9 Const. 4" White Paint Stripe (Typ.) Contractor shall provide 15 mil min. thickness
- 10 Const. Conc. Paving 5
C4.1
- 11 Sawcut; Provide Smooth Clean Edge
- 12 Dumpster Enclosure (See Arch. Plans)
- 13 Relocated Stop Sign
- 14 Conn. & Match Existing Improvements
- 15 Const. Modular Block Retaining Wall (Wall Design by Others)

1. *All dimensions are to back of curb unless otherwise noted.*
2. *Fire lane markings and signs to be installed as directed by the Fire Marshal.*
3. *Aisle markings, directional arrows and stop bars will be painted at each driveway as shown on the plans.*
4. *Const. curb transition at all points where curb abuts sidewalk, see detail.*
5. *Contractor shall place asphalt paving in the direction of vehicle travel where possible.*
6. *Limits of demolition/disturbed areas shown on the plans may not be an exact depiction. It is the contractor's responsibility to determine the means and methods of how the work will be completed. The contractor shall determine the area of construction impact. The contractor is responsible to restore all impacted areas and all restoration shall be part of the contract bid.*

The Construction Survey Layout for this project will be provided by Anderson Wahlen & Associates. The Layout Proposal and Professional Services Agreement will be provided to the General Contractor(s) for inclusion in base bids. The Survey Layout proposal has been broken out into Building Costs and Site Costs for use in the Site Work Bid Form.

The contractor or surveyor shall be responsible for following the National Society of Professional Surveyors (NSPS) model standards for any surveying or construction layout to be performed. The contractor or surveyor shall be responsible for Anderson Wahlen and Associates construction improvement plans. Prior to proceeding with construction staking, the contractor or surveyor shall verify the construction layout from the survey monuments and for verifying any additional control points shown on an ALTA survey, improvement plan, or other electronic data provided by Anderson Wahlen and Associates. The surveyor shall also use the benchmarks as shown on the plan, and verify them against no less than three additional benchmarks shown on the plan. The contractor or surveyor shall verify the construction layout from the survey monuments or on electronic data provided by Anderson Wahlen and Associates. If any discrepancies are encountered, the surveyor shall immediately notify the engineer or architect of the discrepancies before proceeding with any construction staking.

The Contractor agrees that he shall assume sole and complete responsibility for joint site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify, and hold the owner and the engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the owner or the engineer.

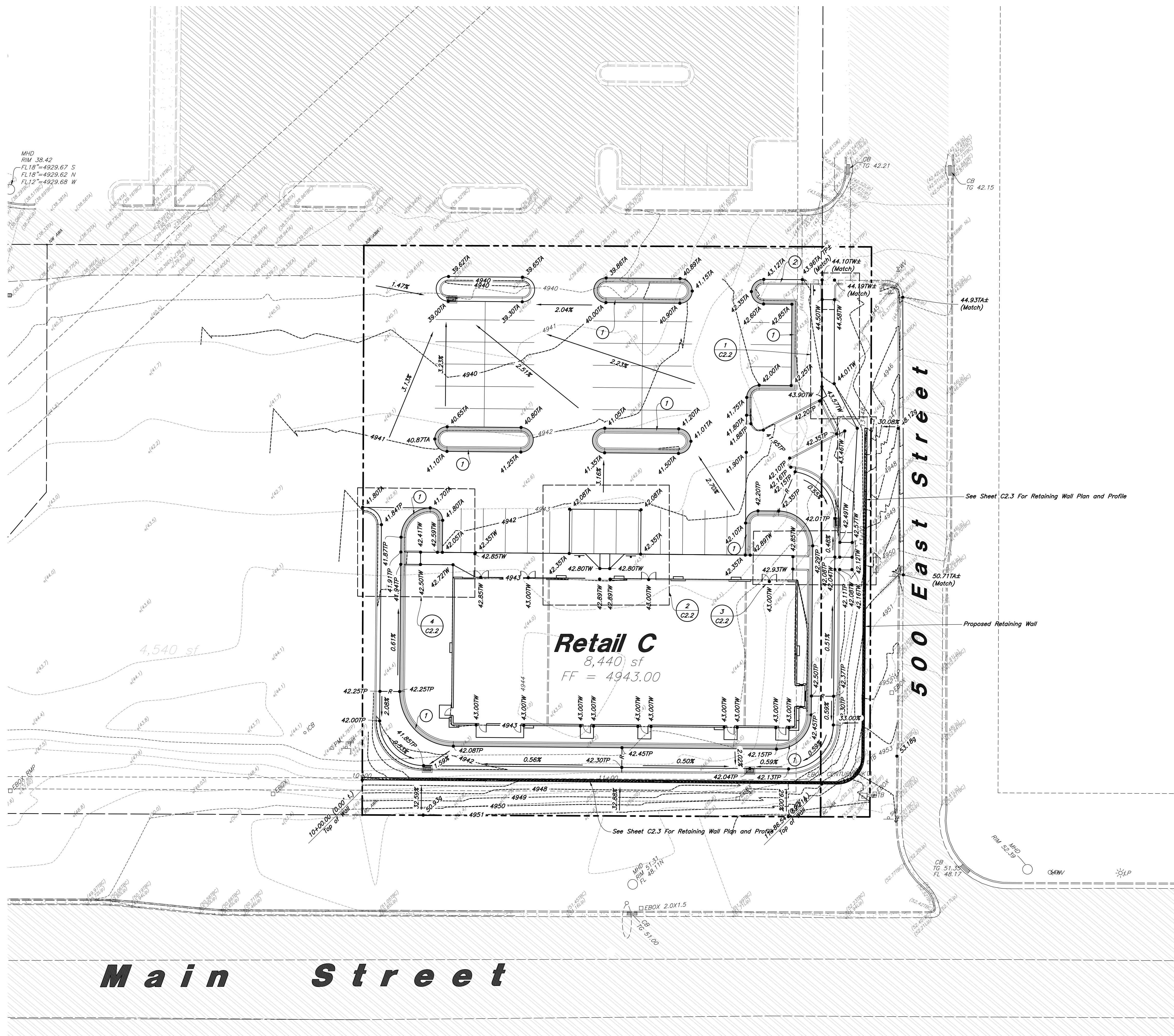
Ridley's Santaquin - Retail C



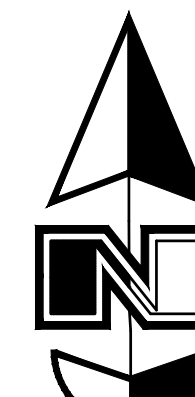
ANDERSON WAHLEN & ASSOCIATES
 2010 North Redwood Road, Salt Lake City, Utah 84116
 (801) 521-8529 — AWAengineering.net

SHEET NO.

C1.1



Scale: 1" = 20'

**General Grading Notes:**

- All grading shall be in accordance with the project geotechnical study.
- Cut slopes shall be no steeper than 3 horizontal to 1 vertical.
- Fill slopes shall be no steeper than 3 horizontal to 1 vertical.
- Fills shall be compacted per the recommendations of the geotechnical report prepared for the project and shall be certified by a Geotechnical Engineer.
- Areas to receive fill shall be properly prepared and approved by a Geotechnical Engineer prior to placing fill.
- Fills shall be benched into competent material as per specifications and geotechnical report.
- All trench backfill shall be tested and certified by a Geotechnical Engineer.
- A geotechnical engineer shall perform periodic inspections and submit a complete report and map upon completion of the rough grading.
- The final compaction report and certification from a Geotechnical Engineer shall contain the type of field testing performed. Each test shall be identified with the method of obtaining the in-place density, whether sand cone or drive ring and shall be so noted for each test. Sufficient maximum density determinations shall be performed to verify the accuracy of the maximum density curves used by the field technician.
- Dust shall be controlled by watering.
- The location and protection of all utilities is the responsibility of the permittee.
- Approved protective measures and temporary drainage provisions must be used to protect adjoining properties during the grading process.
- All public roadways must be cleared daily of all dirt, mud and debris deposited on them as a result of the grading operation. Cleaning is to be done to the satisfaction of the City Engineer.
- The site shall be cleared and grubbed of all vegetation and deleterious matter prior to grading.
- The contractor shall provide shoring in accordance with OSHA requirements for trench walls.
- Aggregate base shall be compacted per the geotechnical report prepared for the project.
- The recommendations in the following Geotechnical Engineering Report by GSH Geotechnical, Inc. are included in the requirements of grading and site preparation. The Report is titled, "Geotechnical Study Proposed Ridley's Family Market Development Northeast Corner of the Intersection of Main Street and 400 East Street Santaquin, Utah".
 Project No.: 2588-001-18
 Dated: April 26, 2018
- As part of the construction documents, owner has provided contractor with a topographic survey performed by manual or aerial means. Such survey was prepared for project design purposes and is provided to the contractor as a courtesy. It is expressly understood that such survey may not accurately reflect existing topographic conditions.
- If Contractor observes evidence of hazardous materials or contaminated soils he shall immediately contact the project engineer to provide notification and obtain direction before proceeding with disturbance of said materials or contaminated soil.

Curb and Gutter Construction Notes:

- Open face gutter shall be constructed where drainage is directed away from curb.
- Open face gutter locations are indicated by shading and notes on the grading plan.
- It is the responsibility of the surveyor to adjust top of asphalt grades to top of curb grades at the time of construction staking.
- Refer to the typical details for standard and open face curb and gutter dimensions.
- Transitions from open face to standard curb and gutter are to be smooth. Hand form these areas if necessary.
- Spot elevations are shown on this plan with text masking. Coordinate and verify site information with project drawings.

Sidewalk Construction Notes:

- Concrete sidewalk shall be constructed with a cross slope of 1.5% (2.08% Maximum) unless shown otherwise on plan.
- Running slope of sidewalks shall be built per grades shown on the plan. where grades are not provided, sidewalks shall be constructed with a maximum running slope of 4.5%.
- Refer to the Site Plan for sidewalk dimensions.

Designed by: SY
 Drafted by: JD
 Client Name:
 Ridley's Family Markets
 20-112 GR

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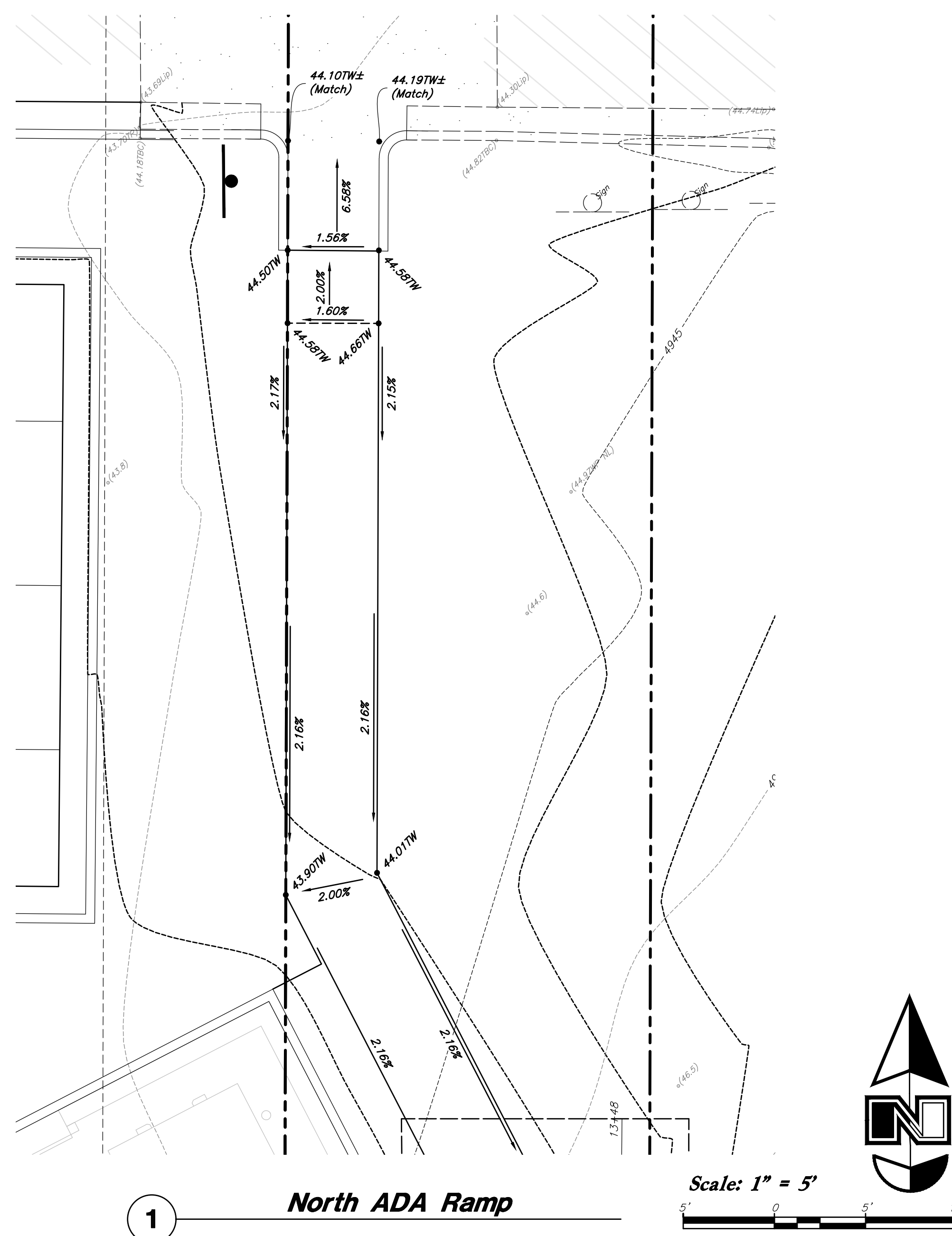
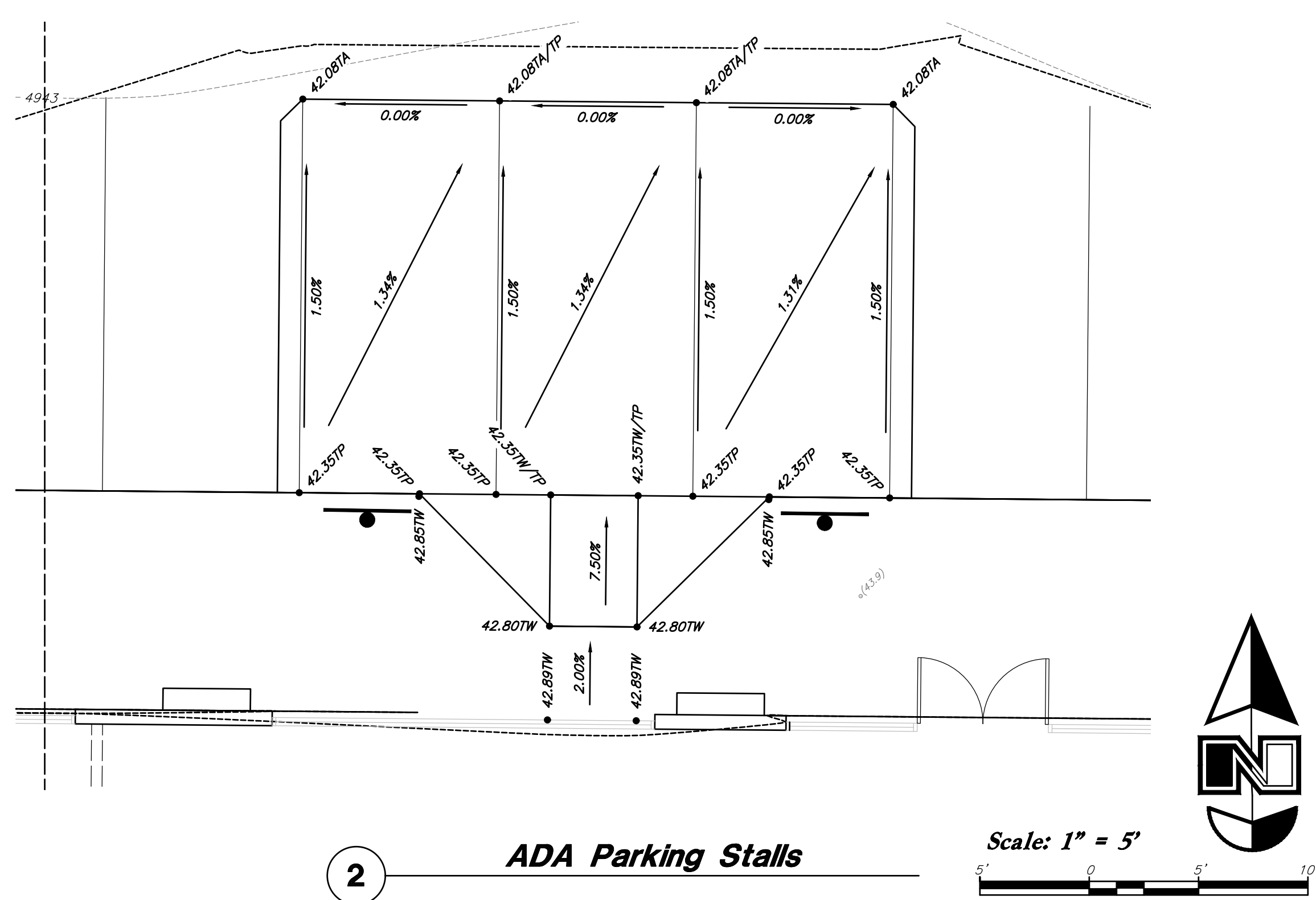
Grading Plan
Ridley's Santaquin - Retail C
 400 East and Main Street
 Santaquin, UT

REGISTERED PROFESSIONAL ENGINEER
 No. 795285
 SHAUN K. YOUNG
 9/11/20
 STATE OF UTAH

11 Sep, 2020

SHEET NO.

C2.1



- ## ***Curb and Gutter Construction Notes:***
1. Open face gutter shall be constructed where drainage is directed away from curb.
 - ① 2. Open face gutter locations are indicated by shading and notes on the grading plan.
 3. It is the responsibility of the surveyor to adjust top of asphalt grades to top of curb grades at the time of construction staking.
 4. Refer to the typical details for standard and open face curb and gutter dimensions.
 - ② 5. Transitions from open face to standard curb and gutter are to be smooth. Hand form these areas if necessary.
 6. Spot elevations are shown on this plan with text marking. Coordinate and verify site information with project drawings.

Sidewalk Construction Notes:

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2. Running slope of sidewalks shall be built per grades shown on the plan. where grades are not provided, sidewalks shall be constructed with a maximum running slope of 4.5%
3. Refer to the Site Plan for sidewalk dimensions.

Accessibility Note:

Contractor must maintain a running slope on Accessible routes no steeper than 5:1 (1:20). The slope slope for Accessible routes must be no steeper than 2.0% (1:50). All Accessible routes must have a minimum clear width of 36". If Grades on plans do not meet this requirement notify Consultant immediately.

The Client, Contractor and Subcontractor should immediately notify the Consultant of any conditions of the project that they believe do not comply with the current state of Accessible and Usable Buildings and Facilities (ICC/ANSI A117.1-Latest Edition) and/or FHAA.

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Accessible Details

Ridley's Santaquin - Retail C

400 East and Main Street
Santaquin, UT



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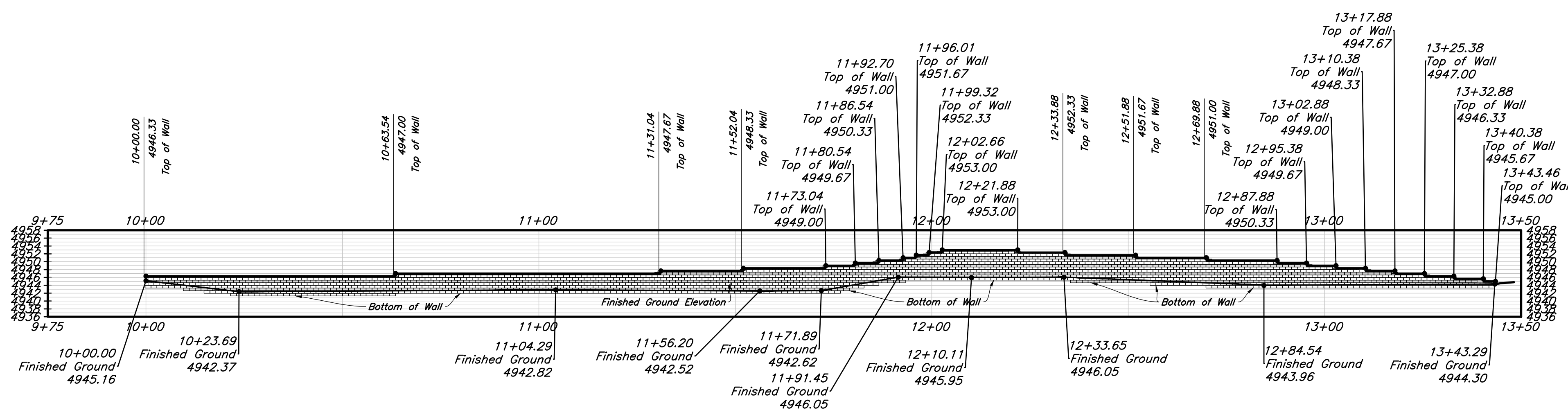
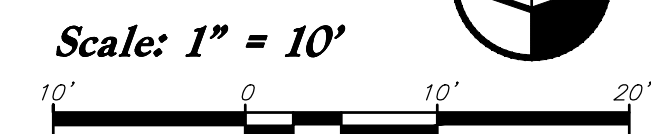
Designed by: SY
Drafted by: JD
Client Name: Ridley's Family Markets
20-112 GR

REGISTERED PROFESSIONAL ENGINEER
 No. 7879289
 SHAUN H. YOUNG
 9/11/20
 STATE OF UTAH

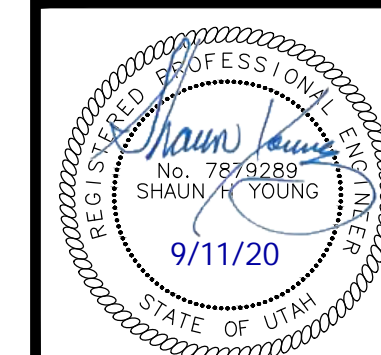
11 Sep, 2020

SHEET NO.

C2.2

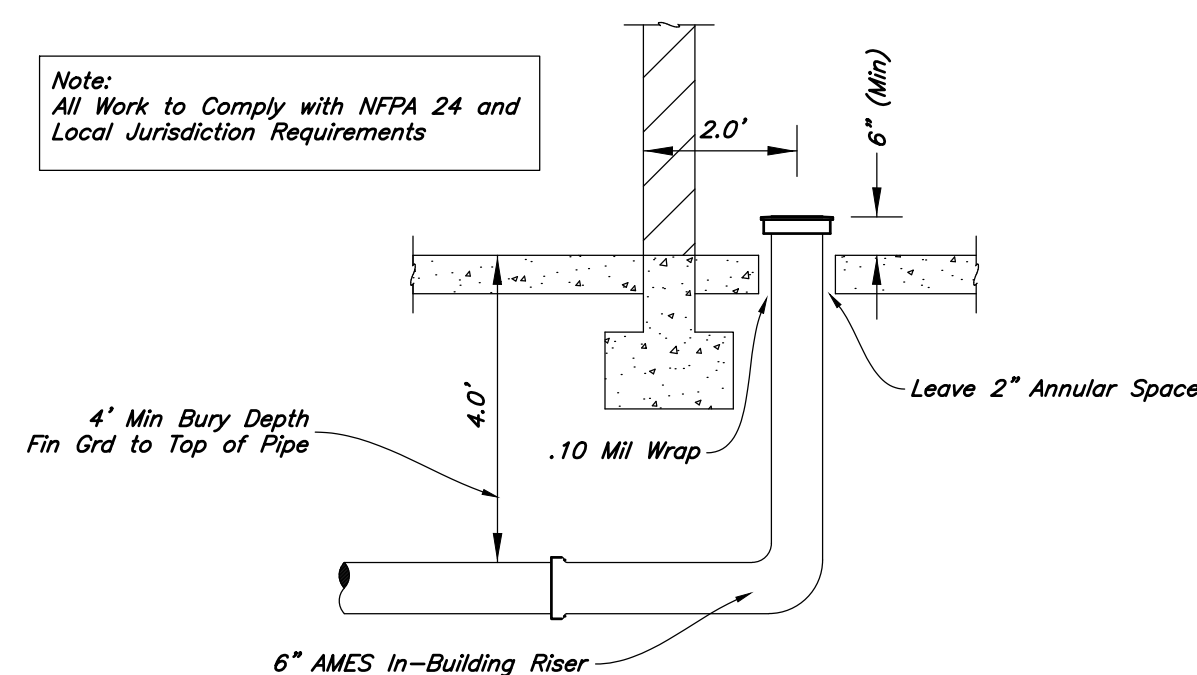


Ridley's Santaquin - Retail C
400 East and Main Street
Santaquin, UT



SHEET NO.

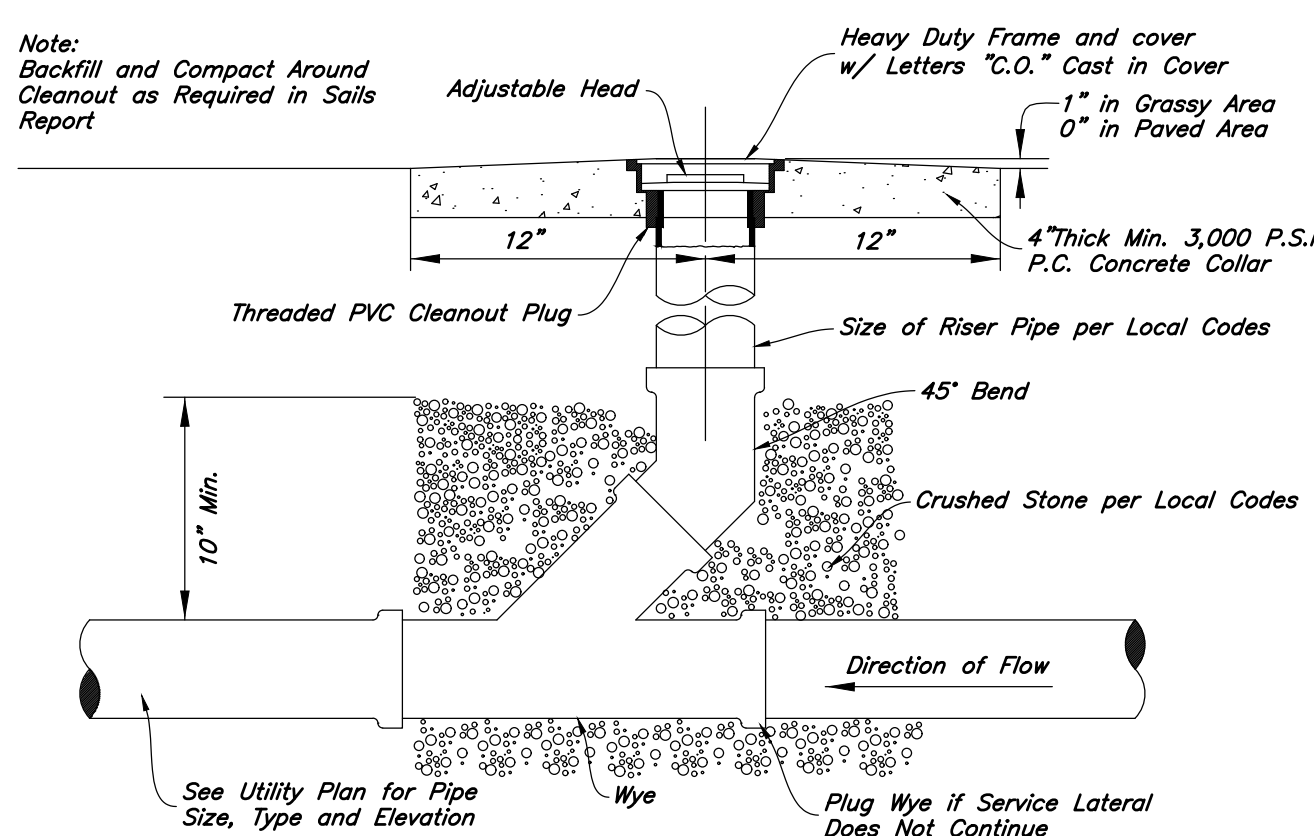
C2.3



8

Fire Riser Stub-In Detail

Not to Scale



6

Typical Cleanout Detail

Not to Scale

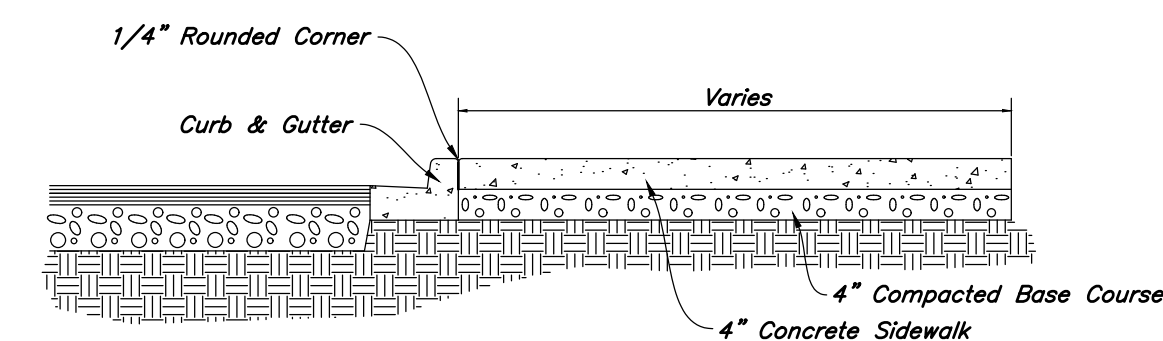
Contraction Joints

- A. Spacing = 10' O.C.

Expansion Joints

- A. Make expansion joints full depth, see joint detail
B. Place expansion joint at all cold joints
C. Expansion joints are required at the start of end of curb radius.

1. See Concrete Joint Detail

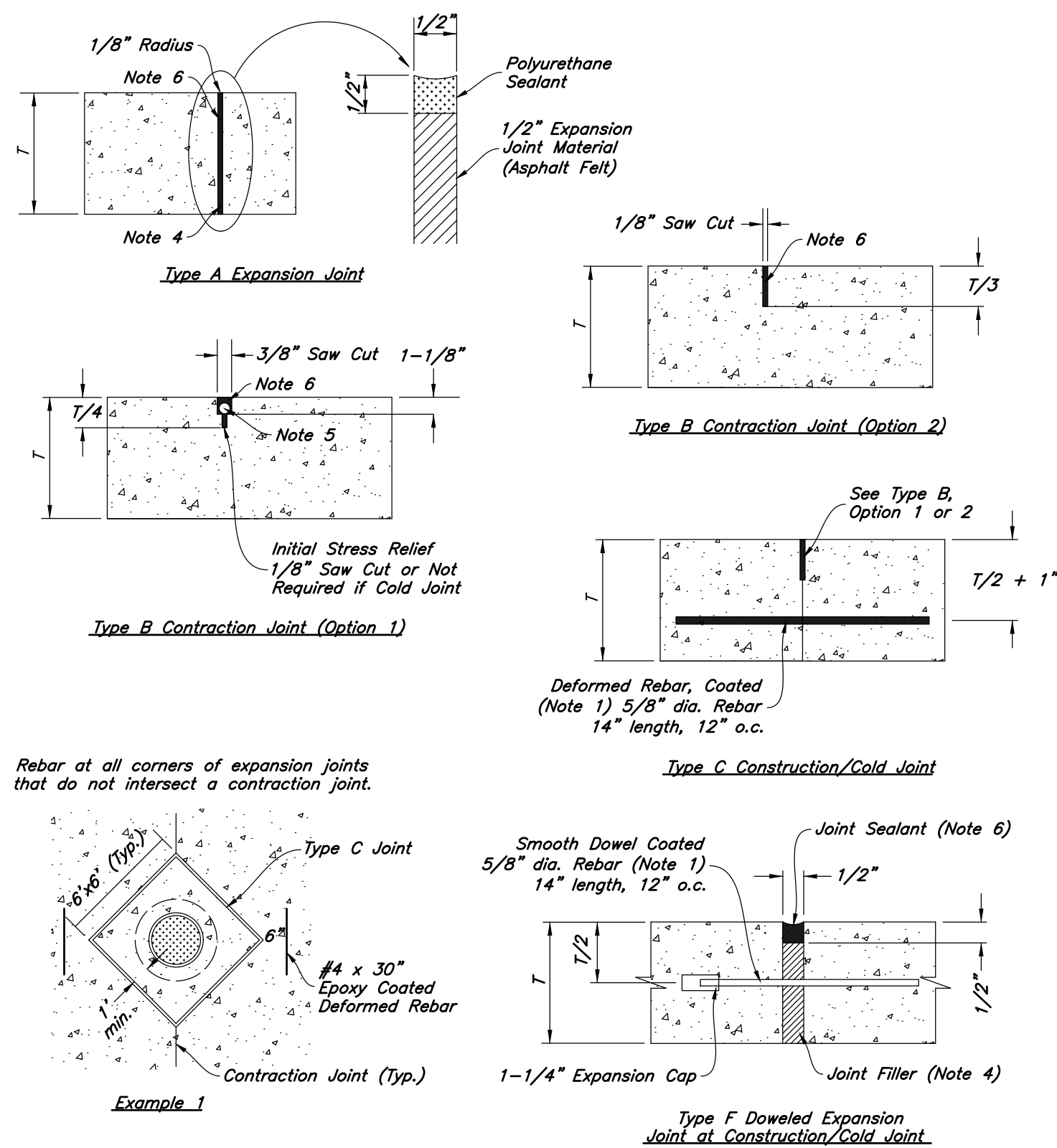


3

Typical Sidewalk Detail

Not to Scale

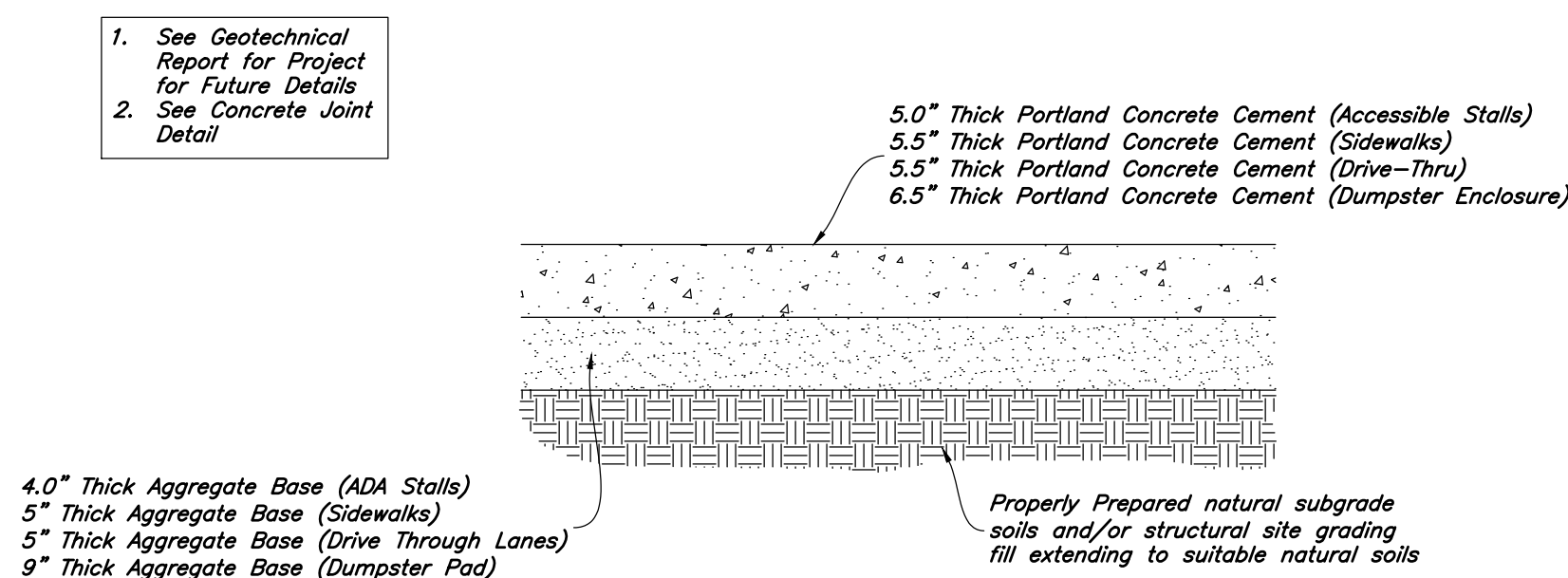
- REINFORCEMENT:** ASTM A 615, grade 60, galvanized or epoxy coated deformed steel rebar or smooth steel dowels with diameter and length as indicated.
 - Space rebar and dowels at 12 to 15 inches on center.
 - Grease dowels to provide movement in expansion joints.
 - Keep tie bars in the vertical center of the concrete slab and perpendicular to the joint during concrete placement.
- SAWING:** Keep at least 3 working power saws on-site when concrete is being placed. Saw crack control joints (contraction joints) before shrinkage cracking takes place. Do not tear or ravel concrete during sawing. In cool weather, the joint sawing may be delayed only for the time required to prevent tearing and raveling the concrete. Cut joints to dimensions recommend by sealant manufacturer and approved by ENGINEER.
- JOINTS:** Lay out joints to aid construction and control random cracking.
 - Joint Spacing shall be 12 feet maximum on center in both directions.
 - Extend transverse contraction joints continuously across the full width of the concrete. Make the joints coincide with curb and gutter joints.
 - Make adjustments in joint locations to meet inlet or manhole locations.
 - Expansion Joints shall be placed where concrete abuts a building wall, sidewalk, curb, gutter or any immovable structure.
- JOINT FILLER:** Bituminous (Asphalt or tar) mastic, ASTM D994. Formed and encased between 2 layers of bituminous saturated felt or 2 layers of glass-fiber felt extending to the bottom of the concrete slab.
- BACKER ROD:** Round Rods. It must be oversized approximately 25 percent to fit tightly into each joint and compatible with hot poured sealant.
- JOINT SEALANT:** Hot applied, Asphalt base type, ASTM D 3405. Remove dirt, oil, and curing compounds from joint reservoir. Seal joints immediately after cleaning.



7

Concrete Joint Detail

Not to Scale

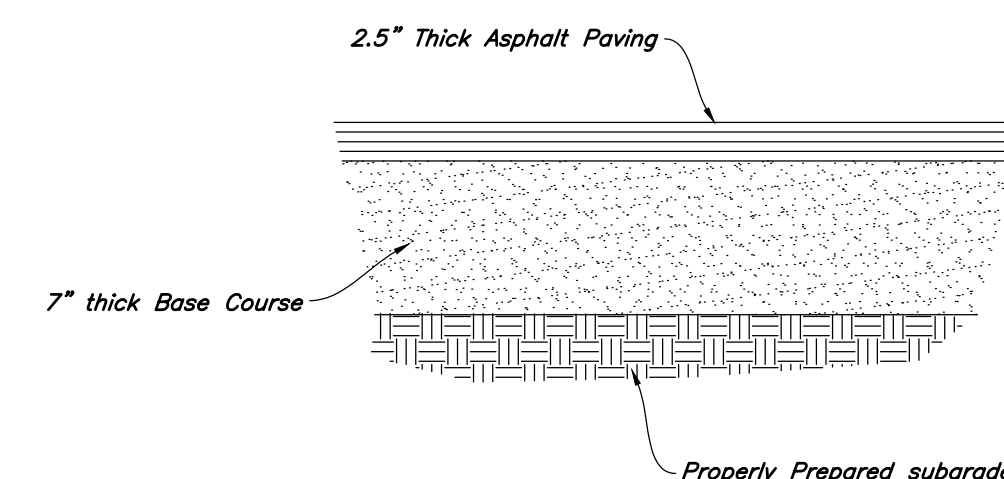


5

Concrete Paving Section

Not to Scale

1. See Geotechnical Report for Project



2

Standard Asphalt Section

Not to Scale

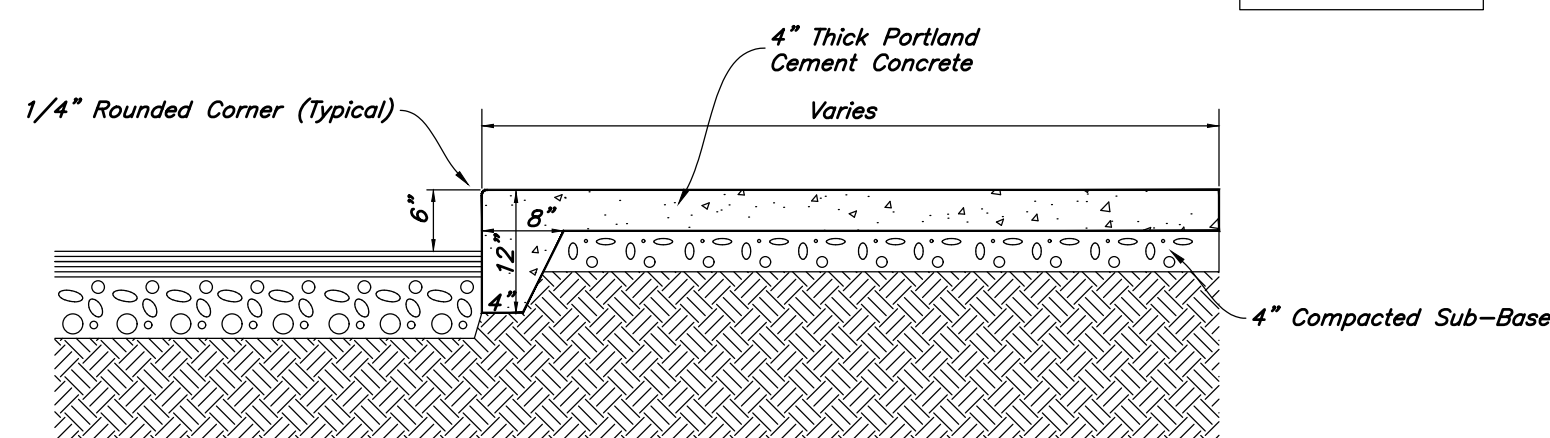
Contraction Joints

- A. Spacing = 10' O.C.

Expansion Joints

- A. Make expansion joints full depth, see joint detail
B. Place expansion joint at all cold joints
C. Expansion joints are required at the start of end of curb radius.

1. See Concrete Joint Detail

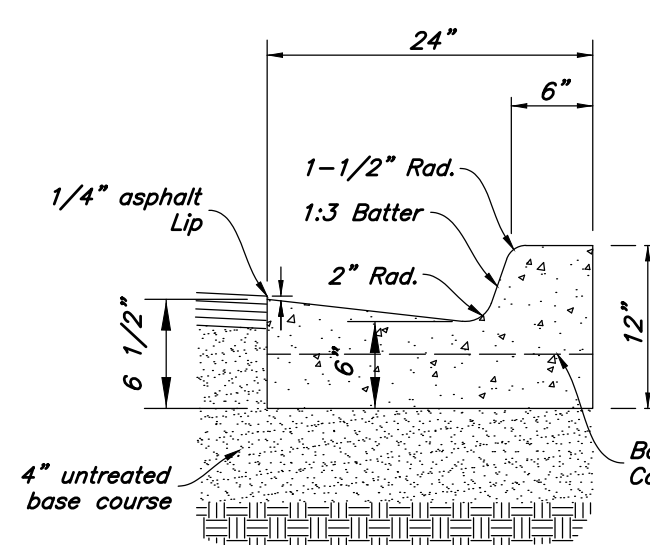


4

Thickened Edge Walk

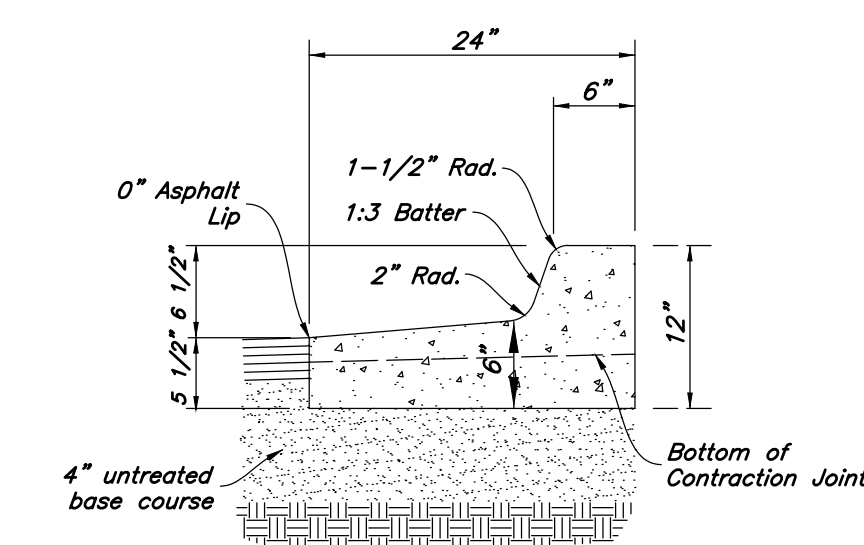
Not to Scale

- Contraction Joints**
 - Spacing = 10' o.c., see joint detail
 - 1/8" wide by 2" deep from top of curb at 15'-0" intervals
- Expansion Joints**
 - Make expansion joints full depth, see joint detail
 - Place expansion joint at all cold joints
 - Expansion joints are required at end of all radii 0.08.
 - Required 5'-0" on each side of drainage structures
 - Required at 90'-0" maximum intervals in straight curb and gutter
 - Provide #6 x 18" long smooth steel dowel bars with 1" dia. grease cap through expansion joints (3" thick bituminous filler material)
- 2'-6" Long tie bar on 2'-6" centers shall be provided when curb is adjacent to P.C.C. pavement
- Provide (2) #6 x 2'-6" long tie bars to connect existing and new curb and gutter
- Remove forms as early as possible. Brush top and face of curbs to remove all imperfections. Typical of all form work.
- All radii shall be true arcs
- Medium to light broom finish on all exterior concrete



Standard

Note: All Curb and Gutter to be Standard Unless Otherwise Noted



Open Face

1. See Concrete Joint Detail

1

24" Curb And Gutter

Not to Scale

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Ridley's Santaquin - Retail C
400 East and Main Street
Santaquin, UT

REGISTERED PROFESSIONAL ENGINEER
No. 79583
SHAUN K. YOUNG
9/11/20
STATE OF UTAH

11 Sep, 2020

SHEET NO.

C4.1

14

Not Used

Not to Scale

12

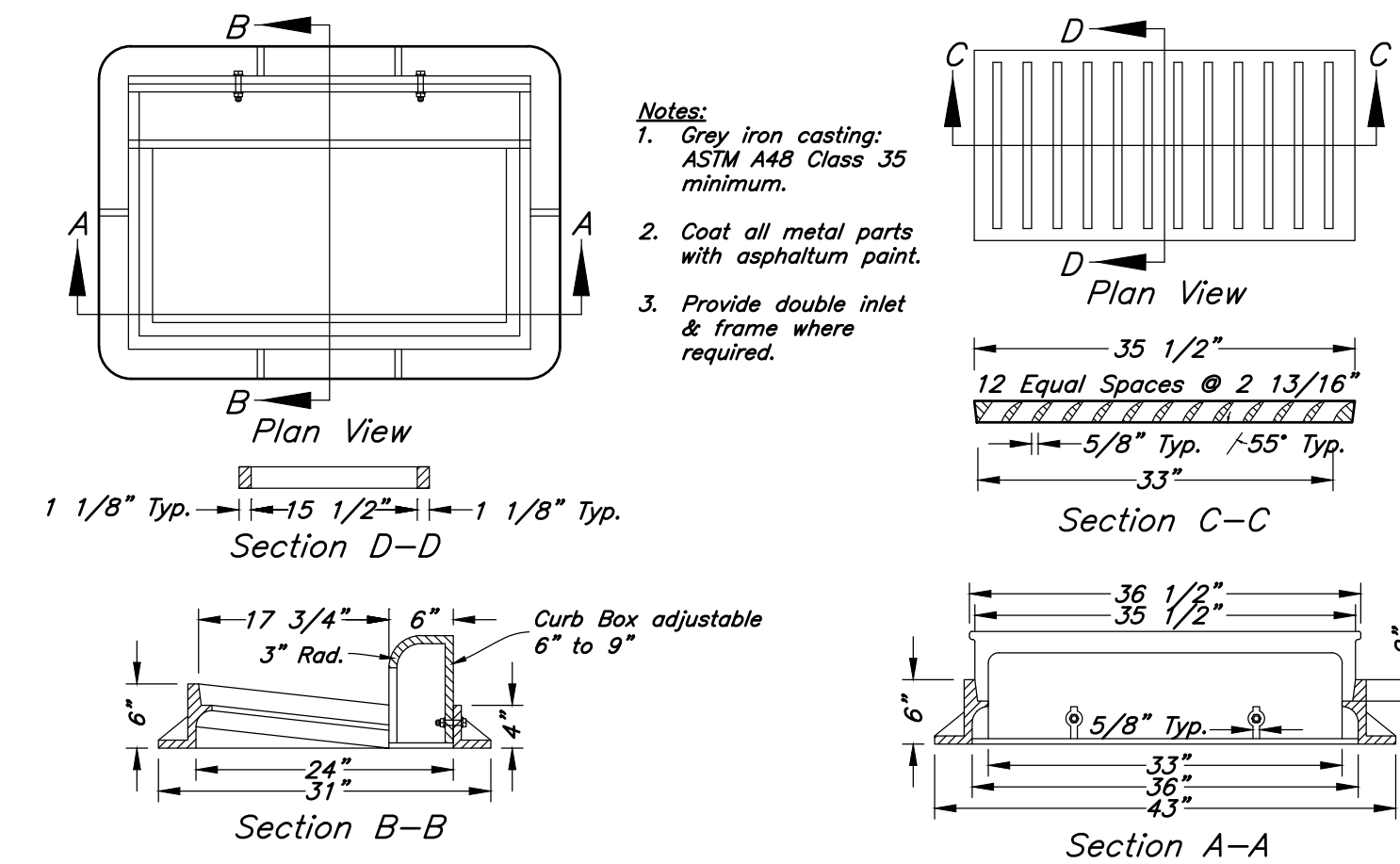
Not Used

Not to Scale

10

Inlet Grate Frame

Not to Scale



Designed by: SY
Drafted by: JD
Client Name:
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20-112 DT

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Santaquin, UT

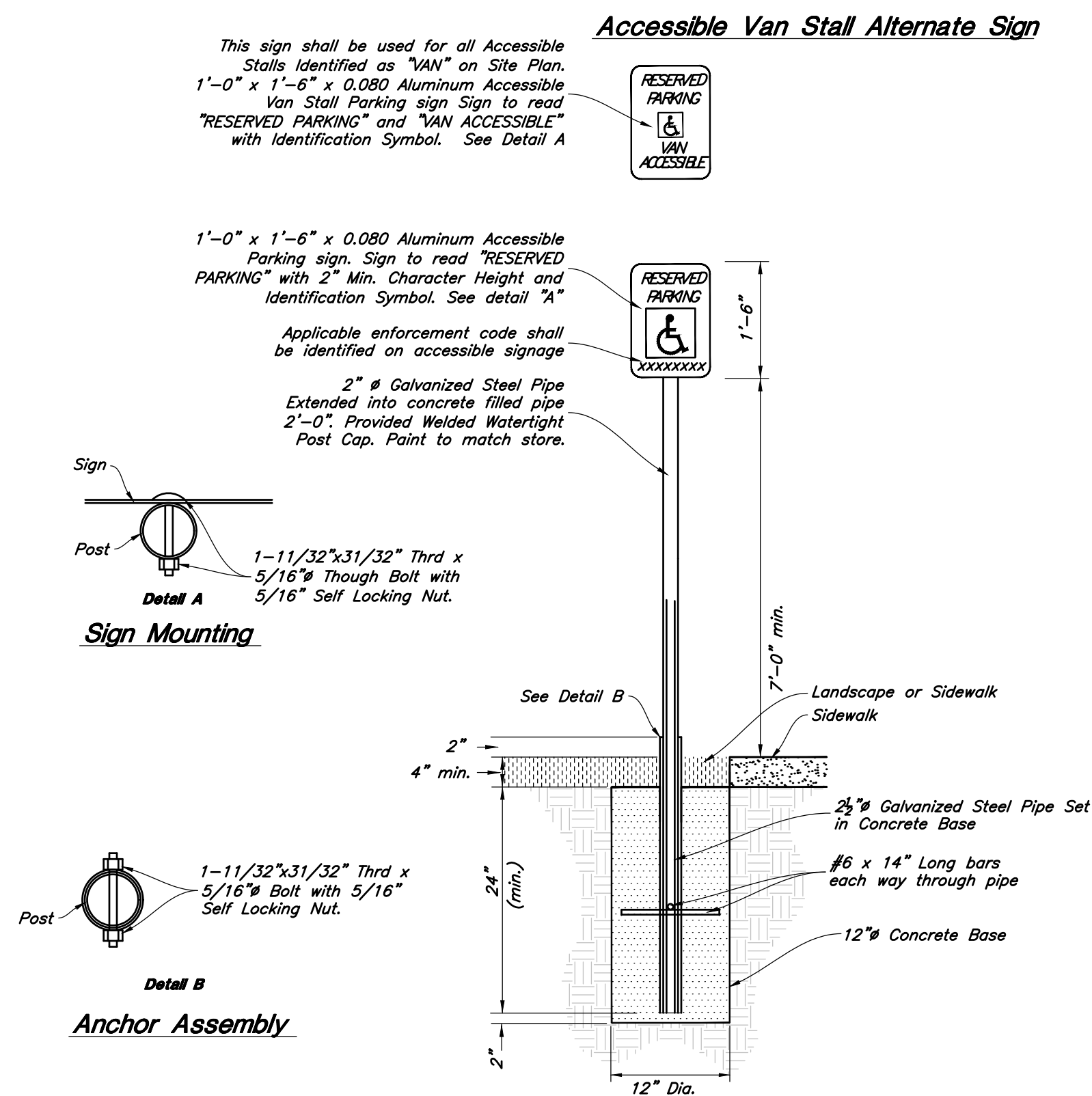
REGISTERED PROFESSIONAL ENGINEER
No. 795383
SHAUN H. YOUNG
9/11/20
STATE OF UTAH

11 Sep, 2020
SHEET NO.
C4.2

13

Accessible Parking Sign

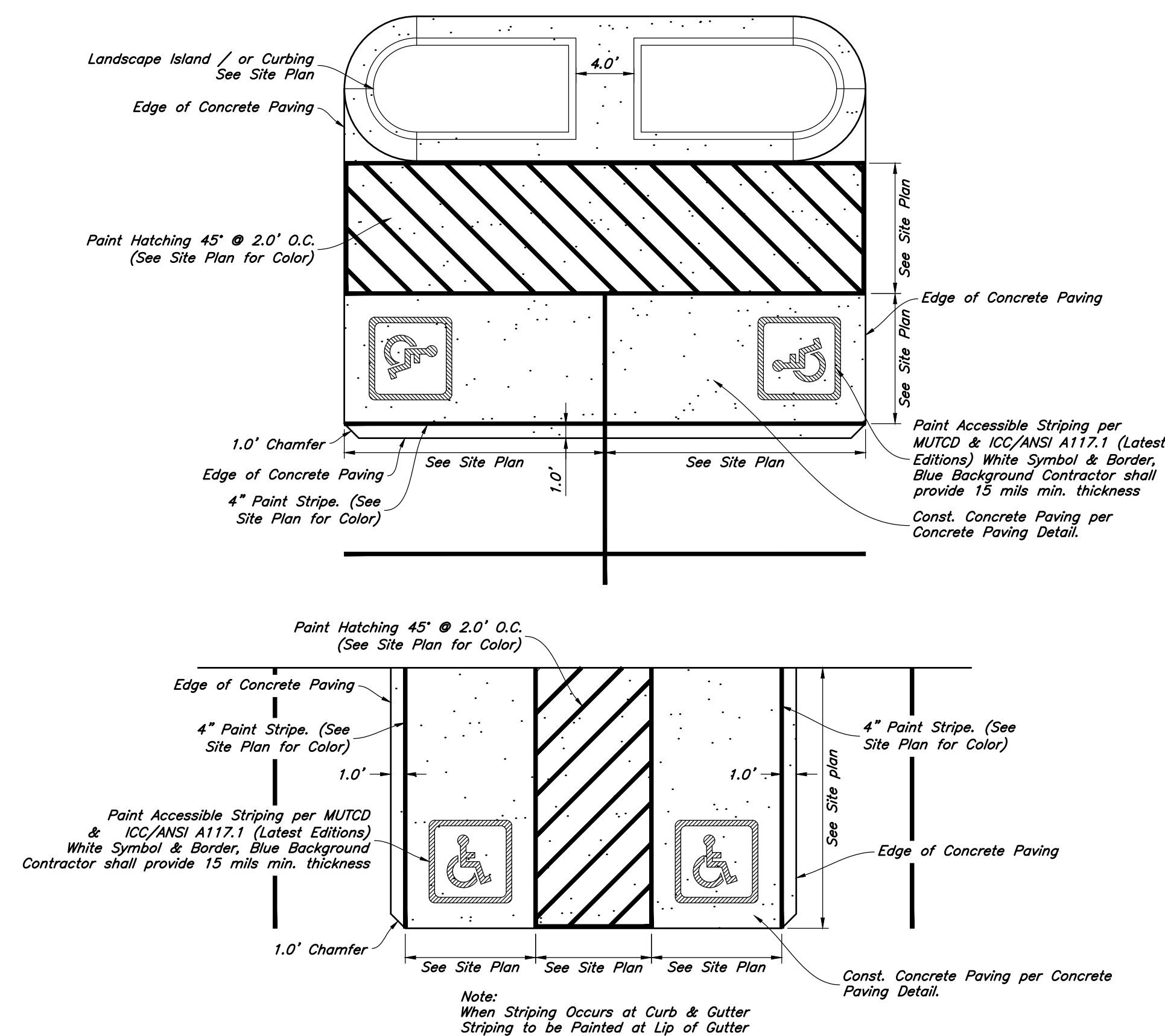
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11

Accessible Striping Detail

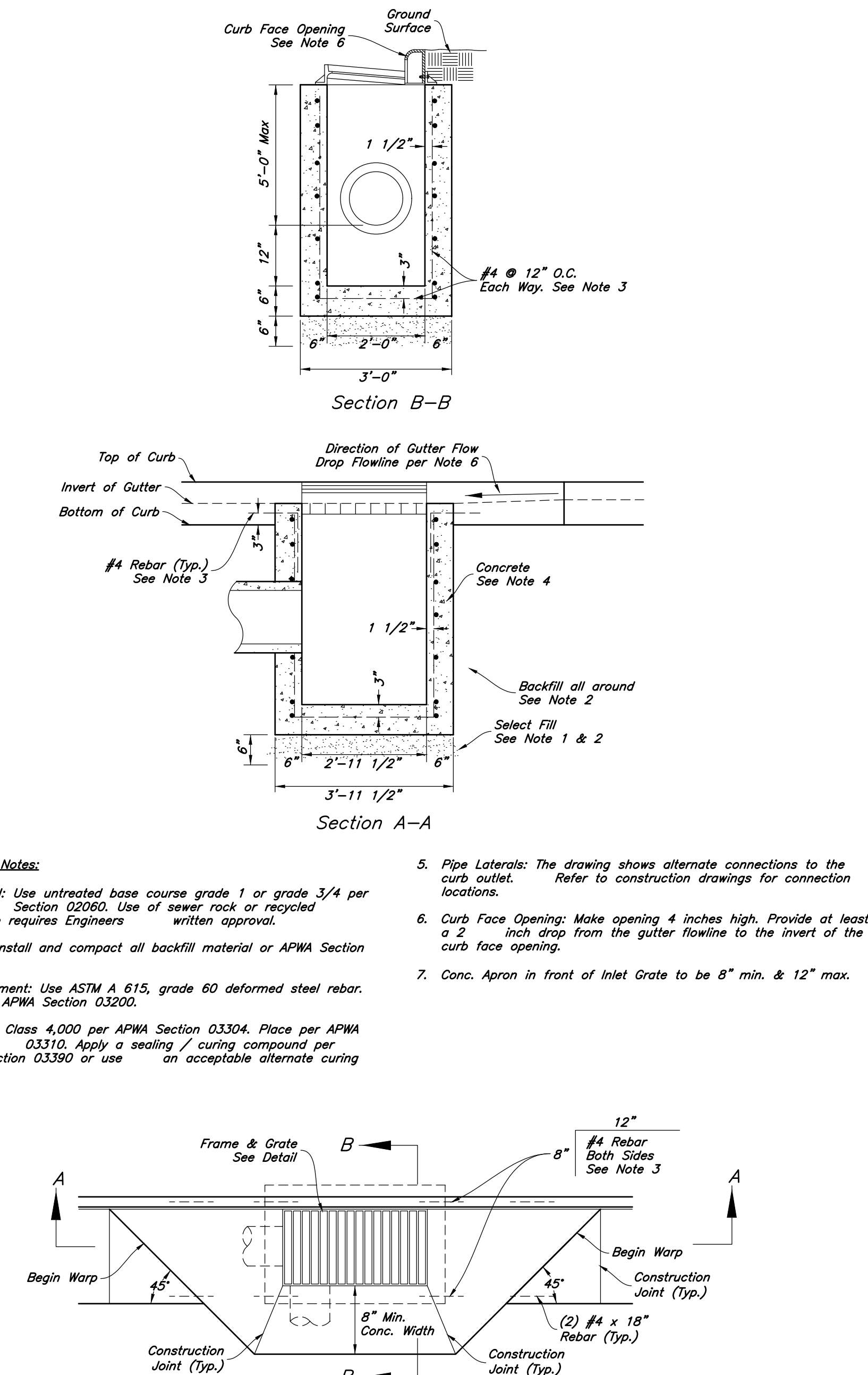
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9

Curb Inlet with Single Grate

Not to Scale



20

Not Used
Not to Scale

18

Santaquin City Std. Dwg. W2
Fire Hydrant & Water Valve

Not to Scale

16

Santaquin City Std. Dwg. UT4
Thrust Block Details

Not to Scale

19

Not Used
Not to Scale

17

Santaquin City Std. Dwg. W1
Culinary Water Service Connection

Not to Scale

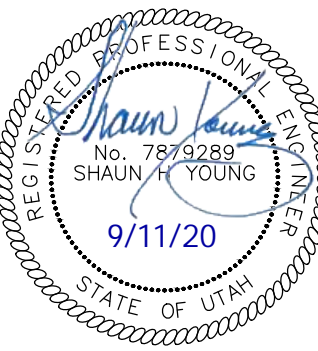
15

Santaquin City Std. Dwg. UT3
Typical Trench Section

Not to Scale

Details

Ridley's Santaquin - Retail C
No. 795283
400 East and Main Street
Santaquin, UT

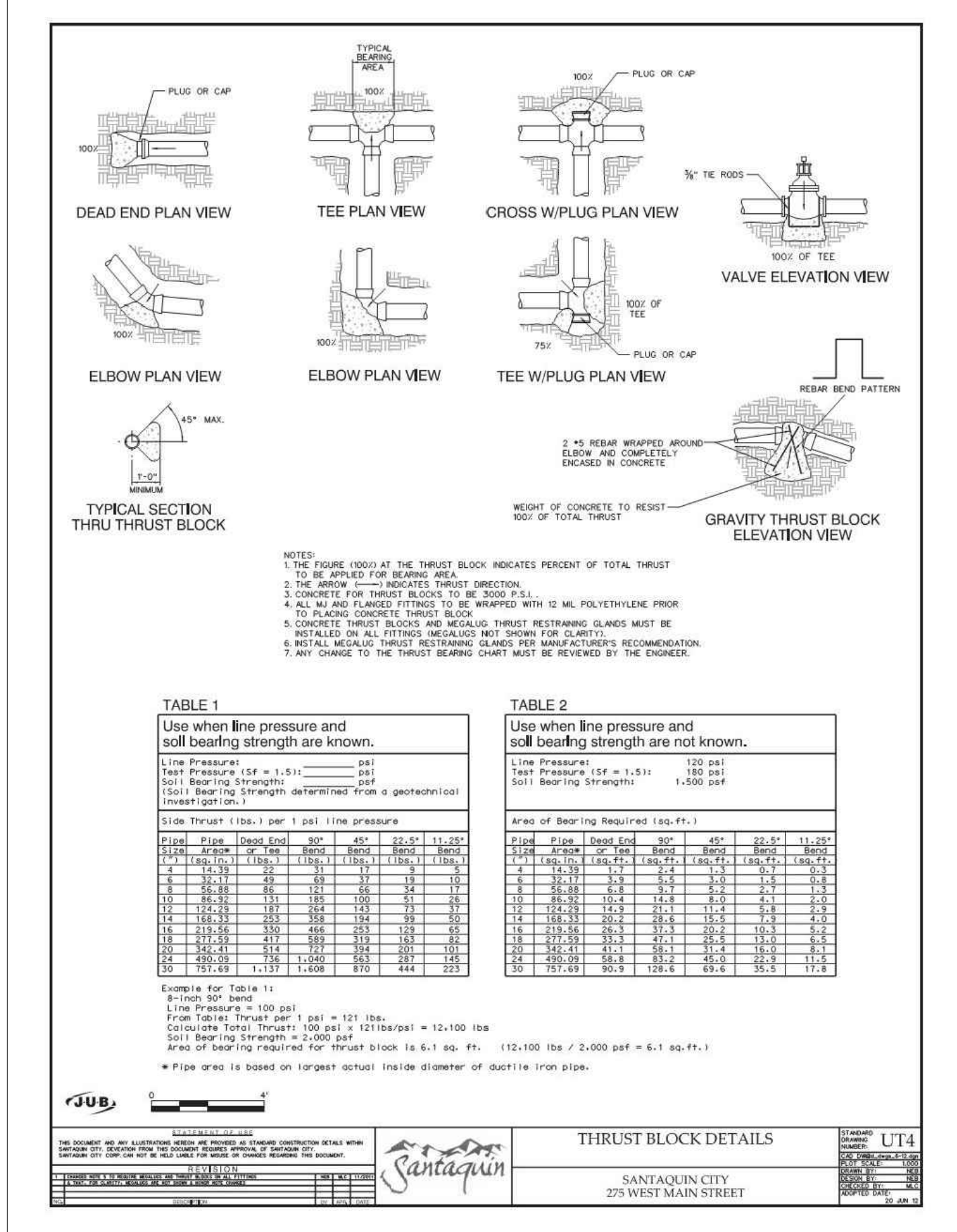
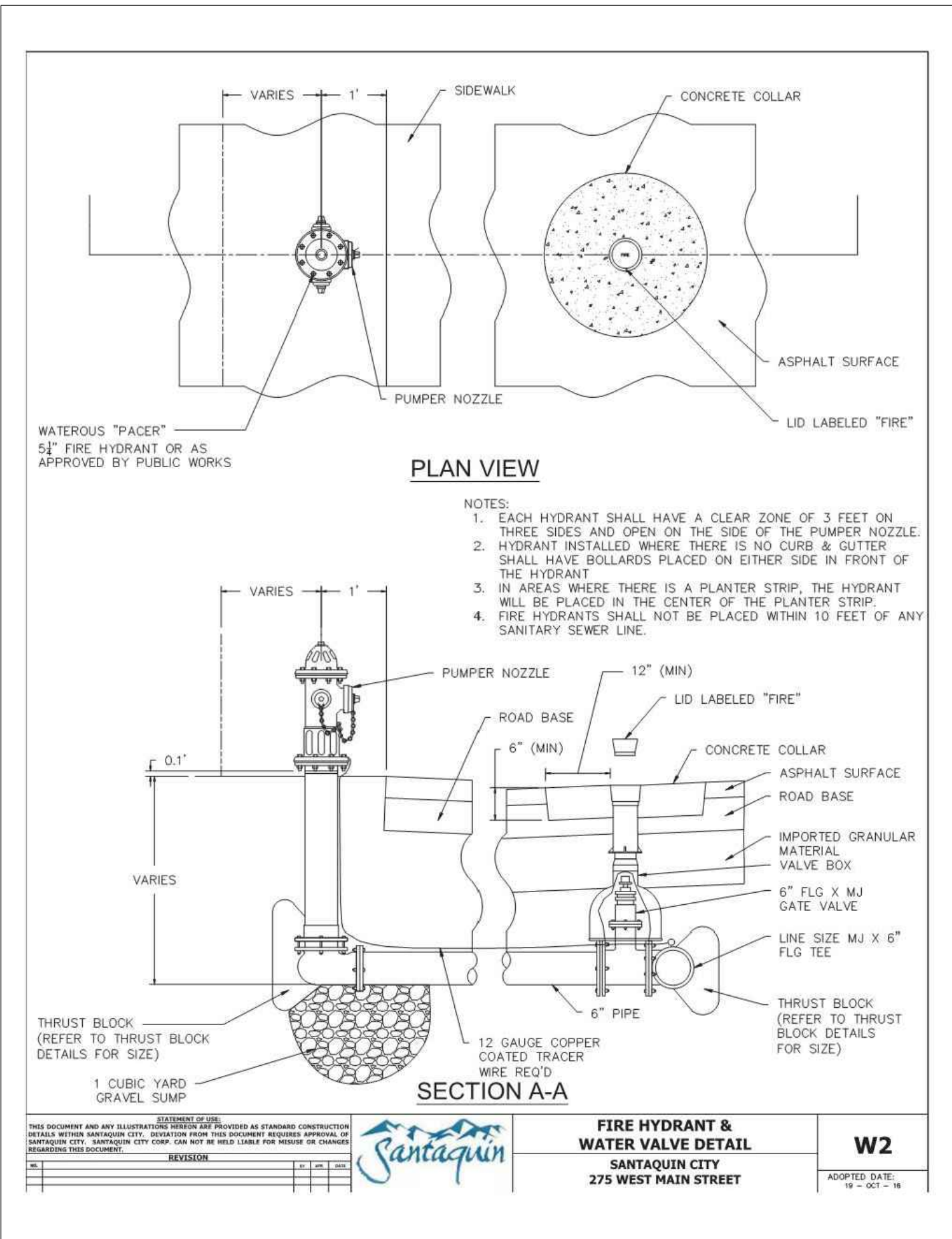


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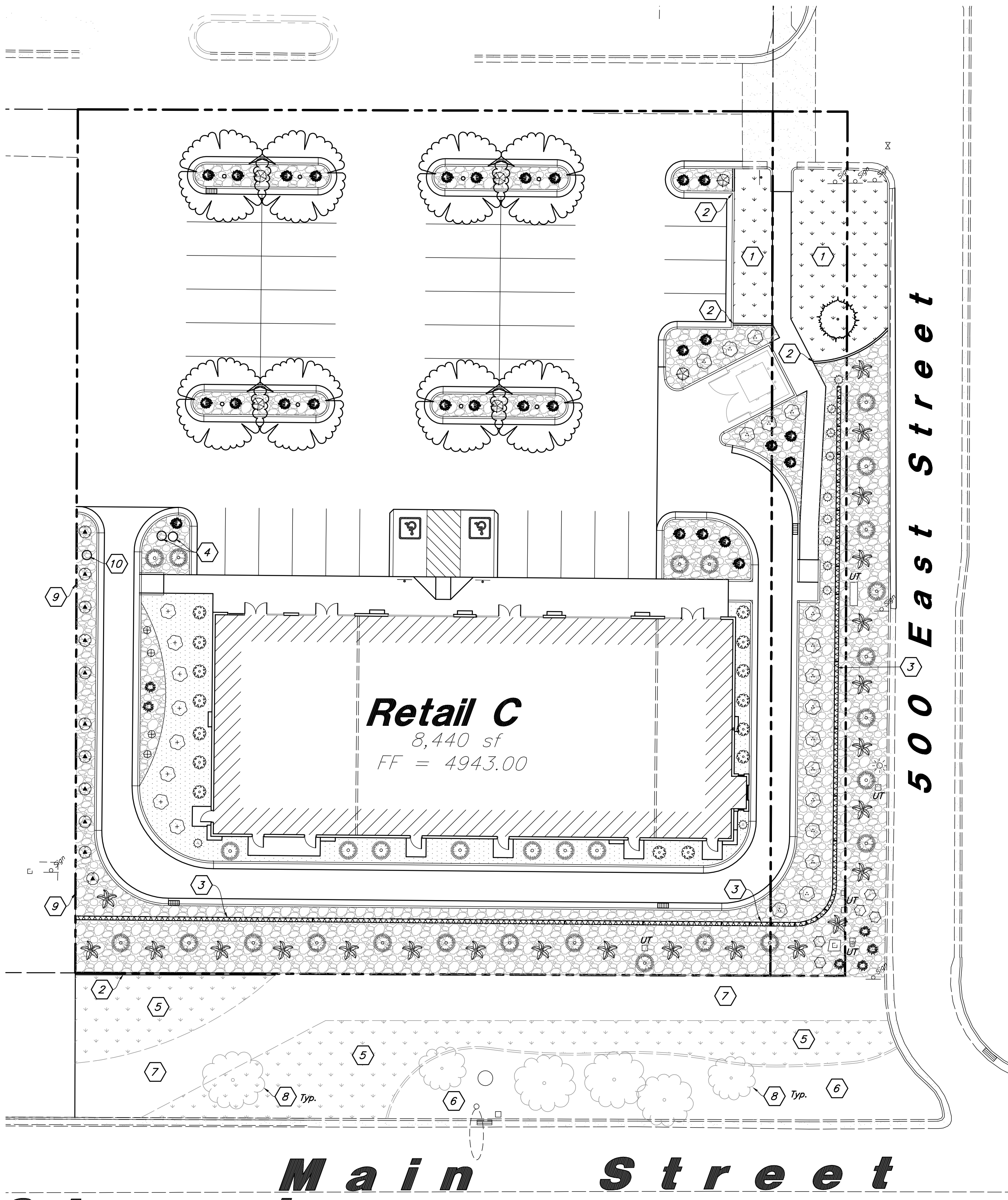
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Designed by: SY
Drafted by: JD
Client Name:
Ridley's Family Markets
20-112 DT

REV	DATE	DESCRIPTION







PLANT SCHEDULE

DECIDUOUS TREES	QTY	BOTANICAL / COMMON NAME	SIZE	REMARKS
	8	Zelkova serrata 'Musashino' / Musashino Zelkova	2" Cal. / 8-10' Ht.	45' Ht. / 15' Spr.
EVERGREEN TREES	QTY	BOTANICAL / COMMON NAME	SIZE	REMARKS
	1	Picea pungens 'Hoopsii' / Hoopsi Blue Spruce	6-8' Ht.	12' Ht. / 35' Spr.
ORNAMENTAL GRASSES	QTY	BOTANICAL / COMMON NAME	SIZE	REMARKS
	11	Calamagrostis x a. 'Karl Foerster' / Feather Grass	1 gal	48" Ht. / 30" Spr.
	4	Helictotrichon sempervirens 'Sapphire' / Blue Oat Grass	5 gal	30" Ht. / 30" Spr.
DECIDUOUS SHRUB	QTY	BOTANICAL / COMMON NAME	SIZE	REMARKS
	17	Prunus x cistena / Purple Leaf Sand Cherry	5 gal	60" Ht. / 50" Spr.
	8	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac	5 gal	20" Ht. / 60" Spr.
	23	Rhus typhina 'Tiger Eyes' / Tiger Eyes Sumac	5 gal	60" Ht. / 60" Spr.
	11	Ribes alpinum 'Green Mound' / Green Mound Alpine Currant	5 gal	36" Ht. / 30" Spr.
	6	Rosa Meidiland series 'Red' / Red Meidiland Rose	5 gal	24" Ht. / 36" Spr.
	28	Spiraea x bumalda 'Goldflame' / Goldflame Spiraea	5 gal	26" Ht. / 26" Spr.
EVERGREEN SHRUB	QTY	BOTANICAL / COMMON NAME	SIZE	REMARKS
	15	Buxus microphylla 'Wintergreen' / Wintergreen Boxwood	5 gal	24" Ht. / 24" Spr.
	30	Juniperus horizontalis 'Bar Harbor' / Bar Harbor Creeping Juniper	5 gal	8" Ht. / 48" Spr.
	6	Picea pungens 'Globosa' / Dwarf Globe Blue Spruce	5 gal	30" Ht. / 36" Spr.
	5	Pinus mugo 'Slowmound' / Mugo Pine	5 gal	30" Ht. / 36" Spr.
LAWN	QTY	BOTANICAL / COMMON NAME	TYPE	REMARKS
	1,654 sf	Poa pratensis / Kentucky Bluegrass Blend	sod	Detail: 4/L3.1

MATERIAL SCHEDULE

Symbol	Comments	Detail
	Decorative Stone #1 - Install a (3) Three Inch Depth over Dewitt Pro5 Weed Barrier; Stone Shall be Used in Shrub Planters Where Shown on Plan; Stone Shall be Washed Prior to Installation; Stone Shall be 1 1/2" Dia. Crushed, Fractured Talon's Cove (Gray Color) Stone from Utah Landscape Rock (435-250-3851)	Detail: 4/L3.1
	Decorative Stone #2 - Install a (6) Six Inch Depth over Dewitt Pro5 Weed Barrier; Stone Shall be Used in Shrub Planters Where Shown on Plan; Stone Shall be Washed Prior to Installation; Stone Shall be 2-4" Dia. Crushed, Fractured Stone from Stoker Parson Copper Canyon Pit (385-239-0804); Stone Shall Match Stone Color Stone; Interlock and Secure Stone on Steep Slopes	Detail: 4/L3.1
	4" x 6" Landscape Concrete Curbing - Install Flush to all Concrete Edges between Lawn and Planting Areas; Curbing Shall be Continuous; Adjust Curbing as Needed to Avoid Existing and New Utilities.	Detail: 4/L3.1

Scale: 1" = 20'



Landscape Data

Site Area = 47,685 s.f. (1.09 ac.)

Landscape Area Required = 4,769 s.f. (10%)

Landscape Area Provided = 11,234 s.f. s.f. (24%)

Store Parking Provided = 41 stalls

Parking Area = 15,944 s.f.

Landscape Parking Required = 1,594 s.f. (10%)

Landscape Parking Provided = 1,754 s.f. (11%)

Landscape Notes:

- All Landscape Material Shall be Fully Irrigated by an Automatic Irrigation System. Drip for Shrub Areas and Spray for Lawn Areas. See Irrigation Sheets L2.1 for Layout and Sheet L3.1 for Details.
- Adjust Landscape Material as Needed to Allow Access to all New and Existing Utilities. Irrigation Components Shall be Spaced Between Plant Material to Allow Easy Access for Maintenance.
- All Areas Disturbed by Construction Shall be Landscaped and Not Left Undone.
- No Edging Shall be Used Between Different Stone. Provide a Nice Clean Smooth Flowing Defined Line Between Stone.

Landscape Keynotes

- Install New Lawn
- Install Landscape Concrete Curbing
- New Retaining Wall - See Civil Plans
- New Water Meters - See Utility Plan
- Existing Lawn
- Existing Shrub Planter
- Existing Gravel Maintenance Road
- Existing Street Tree
- Provide Nice Clean Edge Between New Landscape and Undeveloped Lot
- Irrigation Water Meter and Connection - See Irrigation Plan for More Detail
- UT - Existing/New Utility Box or Manhole

General Landscape Notes:

- Plant material quantities are provided for bidding purposes only. It is the contractors responsibility to verify all quantities listed on the plans and the availability of all plant materials and their specified sizes prior to submitting a bid. The contractor must notify the Landscape Architect prior to submitting a bid if the contractor determines a quantity deficiency or availability problem with specified material. The contractor shall provide sufficient quantities of plants equal to the symbol count or to fill the area shown on the plan using the specified spacing. Plans take precedence over plant schedule quantities.
- Contractor shall call Blue Stake before excavation for plant material.
- Prior to construction, the contractor shall be responsible for locating all underground utilities and shall avoid damage to all utilities during the course of the work. It shall be the responsibility of the contractor to protect all utility lines during the construction period, and repair any and all damage to utilities, structures, site appurtenances, etc. which occurs as a result of the landscape construction.
- The landscape contractor shall examine the site conditions under which the work is to be performed and notify the general contractor in writing of unsatisfactory conditions. Do not proceed until conditions have been corrected.
- 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.
- See civil and architectural drawings for all structures, hardscape, grading, and drainage information.
- Contractor safety and cleanup must meet OSHA standards at all times. All contractors must have adequate liability, personnel injury and property damage insurance. Clean-up must be performed daily, and all hardscape areas must be washed free of dirt and mud on final cleanup. Construction must occur in a timely manner.
- All new plant material shall conform to the minimum guidelines established by the American Standard for Nursery Stock Published by the American Association of Nurseryman, Inc. In addition, all new plant material shall be of specimen quality.
- The Owner/Landscape Architect has the right to reject any and all plant material not conforming to the plans and specifications.
- Any proposed substitutions of plant species shall be made with plants of equivalent overall form, height, branching habit, flower, leaf, color, fruit and culture only as approved by the Landscape Architect.
- It is the contractors responsibility to furnish all plant materials free of pests or plant diseases. It is the contractor's obligation to maintain and warranty all plant materials.
- All existing and relocated trees shall be properly protected. Trees damaged during construction shall be replaced at no cost to the owner.
- Plant names are abbreviated on the drawings, see plant schedule for symbols, abbreviations, botanical, common names, sizes, estimated quantities and remarks.
- No grading or soil placement shall be undertaken when soils are wet or frozen.
- Existing topsoil to be stripped and stockpiled for landscape use. Contractor shall verify existing topsoil amounts and quality with the general contractor. The landscape contractor shall perform a soil test on existing and imported topsoil and amend per soil test recommendations. Soil test to be done by certified soil testing agency. Provide new imported topsoil as needed from a local source. Imported topsoil must be a premium quality dark sandy loam, free of rocks, clods, roots, and plant matter. Topsoil to be installed in all landscaping areas.
- Prior to placement of topsoil in all landscaping areas, all subgrade areas shall be loosened by scarifying the soil to a depth of 6 inches in order to create a transition layer between existing and new soils.
- Provide a 12" depth of stockpiled or imported topsoil in parking islands and an 8 inch depth in all other shrub areas.
- 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 and replaced with plant backfill mixture. The top of the root balls, shall be planted flush with the finish grade.
- Plant backfill mix shall be composed of 3 parts topsoil to 1 part soil pep, and shall be mixed at the planting hole. Deep water all plant material immediately after planting. Add backfill mixture to depressions as needed.

- All new plants to be balled and burlapped or container grown, unless otherwise noted on plant schedule. Container grown trees shall have the container cut and removed. Trees in ball and burlap shall have the strings, burlap or plastic cut and pulled away from the trunk exposing 1/3 of the root ball. For trees in wire baskets, cut and remove the wire baskets.
- Upon completion of planting operations, all landscape areas with trees, shrubs, and perennials, shall receive specified stone over Dewitt Pro5 Weed Barrier or equal. Stone shall be evenly spread on a carefully prepared grade free of weeds. The top of stone should be slightly below finish grade and concrete areas.
- All deciduous trees shall be double staked per tree staking detail. It is the contractors responsibility to remove tree staking in a timely manner once staked trees have taken root. Deciduous tree ties to be V.I.T. Cinche Ties #CT32.
- Install landscape concrete curbing between lawn and planting areas. Curbing shall be installed level and uniform and shall match top finish grades of concrete walks and curbs. See landscape concrete curbing detail.
- Provide a 4 inch depth of stockpiled or imported topsoil in all lawn areas.
- Sod must be premium quality, evenly cut, established, healthy, weed and disease free, and from an approved source.
- All lawn areas to have uniform grades by float raking. Prior to laying sod, apply a starter fertilizer at a rate recommended by the manufacturer. Sod must be laid with no gaps between pieces on a carefully prepared topsoil layer. Sod to be slightly below finish grade and concrete walks and curbing. The laid sod must be immediately watered after installation. Any burned areas will require replacement. Adjust sprinkler system to assure healthy green survival of the sod without water waste.
- 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.



Know what's below.
Call before you dig.

Landscape Plan

Ridley's Santaquin - Retail C

400 East and Main Street
Santaquin, UT



11 Sep, 2020

SHEET NO.

L1.1



1. Prior to construction, the contractor shall be responsible for locating all underground utilities and shall avoid damage to all utilities during the course of the work. It shall be the responsibility of the contractor to protect all utility lines during the construction period, and repair any and all damage to utilities, structures, site appearances, etc. which occurs as a result of the landscape construction.
2. The Irrigation contractor shall examine the site conditions under which the work is to be performed and notify the general contractor in writing of unsatisfactory conditions. Do not proceed until conditions have been corrected.
3. 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.
4. See civil and architectural drawings for all structures, hardscape, grading, and drainage information.
5. Contractor safety and cleanup must meet OSHA standards at all times. All contractors must have adequate liability, personal injury and property damage insurance. Clean-up must be performed daily, and all hardscape areas must be washed free of dirt and mud on final cleanup. Construction must occur in a timely manner.
6. The Owner/Landscape Architect has the right to reject any and all irrigation material not conforming to the plans and specifications.
7. The contractor shall install all irrigation material per plan, notes and details.
8. Irrigation system components must be premium quality only and installed to manufacturers requirements and specifications. The contractor is responsible for checking state and local laws for all specified materials and workmanship. Substitutions must be approved by landscape architect. Provide owner and maintenance personnel with written manual and all products data to operate, check, winterize, repair, and adjust system.
9. Irrigation system guarantee for all materials and workmanship shall be one year from the time of store opening or final project acceptance (whichever is longer). Guarantee will include, but is not limited to winterizing, spring activation, repair, trench setting, backfilling depressions, and repairing freeze damage. Contractor must contact manufacturer and architect immediately upon discovery of inspection findings. Failure to do so will mean the official guarantee period has not been activated or de-activated.

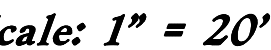
10. Irrigation system check must be done before the system is backfilled. Irrigation mainline and each control valve section must be flushed and pressure checked. Assume the system is installed with the correct pressure and the correct pressure is maintained with adequate pressure for system operation. Adjust system to avoid spray on building, hardscape, and adjacent property. Any problems or plan discrepancies must be reported to the landscape architect.
11. Irrigation laterals must be schedule 40 P.V.C. with schedule 40 fittings, one (1) inch minimum size. Solvent weld all joints as per manufacturers specifications for measured length. Use teflon tape on all threaded fittings. The minimum depth of lateral lines must be twelve (12) inches. Adapt system to manual compression air blowout.
12. Irrigation mainline that are 2" and smaller mainlines shall be schedule 40 PVC pipe with schedule 40 fittings. Solvent weld all joints as per manufacturers specifications for measured static pressure. Use teflon tape on all threaded joints. Line depth must be twenty-four (24) inches minimum.
13. Install dielectric fittings whenever dissimilar materials are joined.
14. Design locations are approximate. Make minor adjustments necessary to avoid plantings and obstructions such as signs and light standards. Maintain 100(%) percent irrigation coverage of areas indicated.
15. Controller valves to be grouped together wherever possible. Install valve boxes with long side perpendicular to walk, curb, lawn, building or landscape features. Valve boxes to conform with finish grades.
16. Control valve wire shall be #14 single conductor: white for common wire, red for hot wire and blue for the spare wire. Provide (2) two spare wire that runs the length of the mainline and to the controller. All wiring shall be UF-UL rated. All connections inside the valve boxes shall be made with dielectric (DBS" or equivalent) and contained in control valve boxes. Provide 36" extra wire length at each remote control valve in valve box. Install control wiring with main service line where possible. Provide slack in control wires at all changes in direction.
17. Control valve size, type, quantity, and location to be approved by landscape architect. Install in heavy duty plastic vandal proof box. Size boxes according to valve type and size. Boxes shall be at least 12 inches deep and 12 inches wide. Boxes shall be set for pump in base of boxes. Boxes to be Carson Brooks or equal.

VALVE SCHEDULE

VALVE STATION	VALVE SIZE	IRRIGATION TYPE	FLOW (GPM)	PSI	PSI @ POC	PRECIP. RATE
1	1"	Lawn Area - Turf Spray	9.05	31.95	42.29	1.99 in/h
2	1"	Lawn Area - Turf Rotor	8.75	36.98	46.57	0.85 in/h
3	1"	Shrub Area - Drip Emitters	3.70	33.27	35.06	0.47 in/h
4	1"	Area for Drip Emitters	4.06	33.54	35.62	0.37 in/h
5	1"	Area for Drip Emitters	4.13	33.74	35.37	0.56 in/h

18. Quick couplers shall be a Rain Bird 44-NP (Non-Potable Cover) with a 1 inch Lasco swing joint assembly. Support with rebar on each retainer lug. Install where shown on the plans.
19. Irrigation system backfill must occur only after system check is completed as specified. Use only rock free clean fill around pipes, valves, drains, or any irrigation system components. Water settle all trenches and excavations.
20. All irrigation pipe running through walls, under sidewalk, asphalt, or other hard surface shall be sleeved prior to paving. It is the irrigation contractors responsibility to provide sleeving with concrete and pavement contractors. Sleeves will be schedule 40 P.V.C. The depth for mainline sleeves shall be twenty-eight (28) inches minimum. Depth for lateral sleeves shall be sixteen (16) inches minimum. Sleeves shall be a minimum of two sizes larger than the pipe to be sleeved. All valve wiring shall be contained in separate sleeving.
21. Plans are diagrammatic and approximate due to scale. Where possible, all piping is to be installed within the planting areas. No tees, ells, or changes in direction shall occur under hardscape.
22. It is the contractors responsibility to verify all quantities based upon the plan prior to completion of a construction cost estimate.
23. The irrigation contractor shall flush and adjust all sprinkler heads for optimum performance and to prevent possible overspray onto walks, roadways, and/or buildings. The contractor shall include selecting the best degree of arc to fill the site and to throttle the flow control of each valve to obtain the optimum operating pressure for each system. All mainlines shall be flushed prior to the installation of irrigation heads.
24. All sprinkler heads shall be set perpendicular to finish grade of the areas to be irrigated and shall be installed 6-8" from buildings walls, or within 4" of pavement, curbs, or header edges.
25. Drip system piping shall consist of a rigid schedule 40 P.V.C. pipe distribution system connecting drip irrigated planter areas. Poly tubing or drip line shall be run off the rigid PVC in each planter area or island with a PVC to poly tubing adapter. No poly tubing shall run under pavement.

26. Electrical power source at the controller location shall be provided by electrical contractor. Contractor shall verify location of controller prior to installation with owner.
27. Provide and install all manufacturer's recommended surge and lightning protection equipment on all controllers.
28. All lines shall slope to manual drains (see details). If field conditions necessitate additional drains, these drains shall be installed for complete drainage of the entire system. Provide a gravel sump under each drain. All drains shall be a minimum of 6" below grade.
29. Upon completion and approval of irrigation system, irrigation contractor to provide the owner with two sets of drawings indicating actual location of piping, valves, sprinkler heads, wiring, and zones.
30. An irrigation zone map shall be provided in a protective jacket and be kept with the main irrigation controller. The map shall show all approved irrigation and include all zone valve locations.
31. 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.



Main Service Line & Other Irrigation Components Are Shown In Paved Or Hardscape Surfaced For Clarity Purposes ONLY! Install All Irrigation Components within Landscaped Areas.

1. See Sheet L1.1 for Plant Layout and Sheet L3.1 for Planting and Irrigation Details.
2. The City Reported a Static Pressure Range of 80-90 psi in the Area. Static Pressure of 80 psi was Used. Irrigation System was Designed for a Minimum of 47 psi.



Ridley's Santaquin - Retail C
400 East and Main Street
Santaquin, UT




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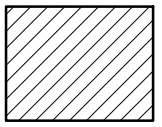
L2.1


ROOF LEGEND

NOTE:

- CONTRACTOR RESPONSIBLE TO PATCH, REPAIR, SEAL AND FLASH ALL ROOF PENETRATIONS, INCLUDING BUT NOT LIMITED TO ELECTRICAL, PLUMBING, MECHANICAL, REFRIGERATION STRUCTURAL AND SIGNAGE PENETRATIONS.
- ALL ROOF TOP EQUIPMENT TO BE A MINIMUM OF 10'-0" FROM ANY ROOF EDGE.
- REFER TO DETAILS 7, 14, 15 AND 16 ON SHEET A0.2 FOR TYPICAL FLASHING DETAILS.
- MAINTAIN 1/4" PER FOOT MINIMUM SLOPE AT FLEXIBLE MEMBRANE ROOF.


 RD/ORD: ROOF DRAIN AND SECONDARY ROOF DRAIN. RE: 15/A0.2

 CRICKET OF TAPERED RIGID INSULATION CONSTRUCT W/ MIN. POSITIVE SLOPE OF 1/2" PER FT. AND TO DIMENSIONS INDICATED. AT SMALLER CRICKETS WHERE DIMENSIONS ARE NOT INDICATED MAKE WIDTH EQUAL TO LENGTH. PROVIDE ON UPSIDE SLOPE OF ALL EQUIPMENT CURBS.

 RTU: ROOF TOP UNIT, SEE DETAILS 16/A0.2 FOR SITE BUILT PLATFORMS. REFER TO MECHANICAL DRAWINGS FOR PREFABRICATED CURBS. PROVIDE STEEL FRAME @ OPENINGS AND UNDER CURBS, SEE STRUCTURAL DRAWINGS.

 FLUE PENETRATION SEE DET. 15/A0.2

 EF: EXHAUST FAN SEE DET. 16/A0.2. PROVIDE CURB FOR EQUIPMENT AT ALL EXHAUST FAN LOCATIONS.

 30" X 36" ROOF HATCH. BILCO OR APPROVED EQUAL

SCOPE OF WORK NOTES

- ALL GYP. IS TYPE "X" U.N.O.
- PROVIDE ACOUSTICAL JOINT SEALANTS AT WALL TO WALL INTERSECTIONS, WALL TO FLOOR INTERSECTIONS AND ALL PENETRATIONS IN WALL TYPES SHOWN WITH ACOUSTICAL BATT INSULATION.
- PROVIDE SEPARATION BARRIER BETWEEN ALL DISSIMILAR METALS, TYP.
- REFER TO EXTERIOR ELEVATIONS FOR EXTERIOR FINISH MATERIAL SPECIFICATIONS. REFER TO INTERIOR ELEVATIONS AND INTERIOR FINISH SCHEDULE FOR INTERIOR FINISH MATERIAL SPECIFICATIONS.
- PROVIDE METAL STUD DEFLECTION TRACK AT ALL NON-LOAD BEARING WALLS THAT EXTEND TO B.O. OF ROOF STRUCTURE OR ROOF DECK, RE: STRUCTURAL AND 6/A7.2.
- PROVIDE 4" CONCRETE SLAB OVER 4" GRANULAR DRAINAGE FILL OVER 10 MIL. VAPOR BARRIER. RE: STRUCTURAL. REFER TO FLOOR PLAN FOR AREAS WHERE NO CONCRETE OCCURS, PROVIDE GRANULAR FILL AND 10 MIL. VAPOR BARRIER IN THESE LOCATIONS.
- PROVIDE CONCRETE CONTROL JOINTS PER THE SPECS.

KEYED NOTES

① LINE OF CANOPY ABOVE

② LINE OF SOFFIT ABOVE

③ ROOF ACCESS LADDER, RE: 8/A0.2

④ ROOF DRAIN AND OVERFLOW ROOF DRAIN PIPES, RE: PLUMBING

⑤ DOWNSPOUT NOZZLE, RE: PLUMBING AND EXTERIOR ELEVATIONS

⑥ GAS METER, RE: PLUMBING AND CIVIL

⑦ ELECTRICAL PANEL, RE: ELECTRICAL

⑧ ELECTRICAL TRANSFORMER PAD, RE: 2/A0.3 AND ELECTRICAL

⑨ ELECTRICAL EQUIPMENT, RE: ELECTRICAL

⑩ FIRE RISER, RE: SPECS.

⑪ FIRE DEPARTMENT CONNECTION

⑫ 6" CONCRETE WALK, RE: CIVIL

⑬ NO CONCRETE SLAB IN THIS AREA

⑭ FUTURE DEMISING WALL, N/C

⑮ COLUMN, RE: STRUCTURAL

⑯ DUMPSTER ENCLOSURE, RE: 12/A5.1

⑰ ELEC EQUIP, RE: ELEC.

⑱ RESTROOM, RE:15/A5.2

WALL TYPE SCHEDULE

NOTE: REFER TO A2.1 FOR EXTERIOR FINISH AND A6.1 FOR INTERIOR FINISH

A

6" WOOD STUDS @ 16" O.C. WITH 7" EXTERIOR PLYWOOD SHEATHING, RE: STRUCTURAL. SEE EXTERIOR ELEVATIONS FOR EXTERIOR FINISH MATERIALS. PROVIDE FULL BATT INSULATION WITH VAPOR BARRIER.

B

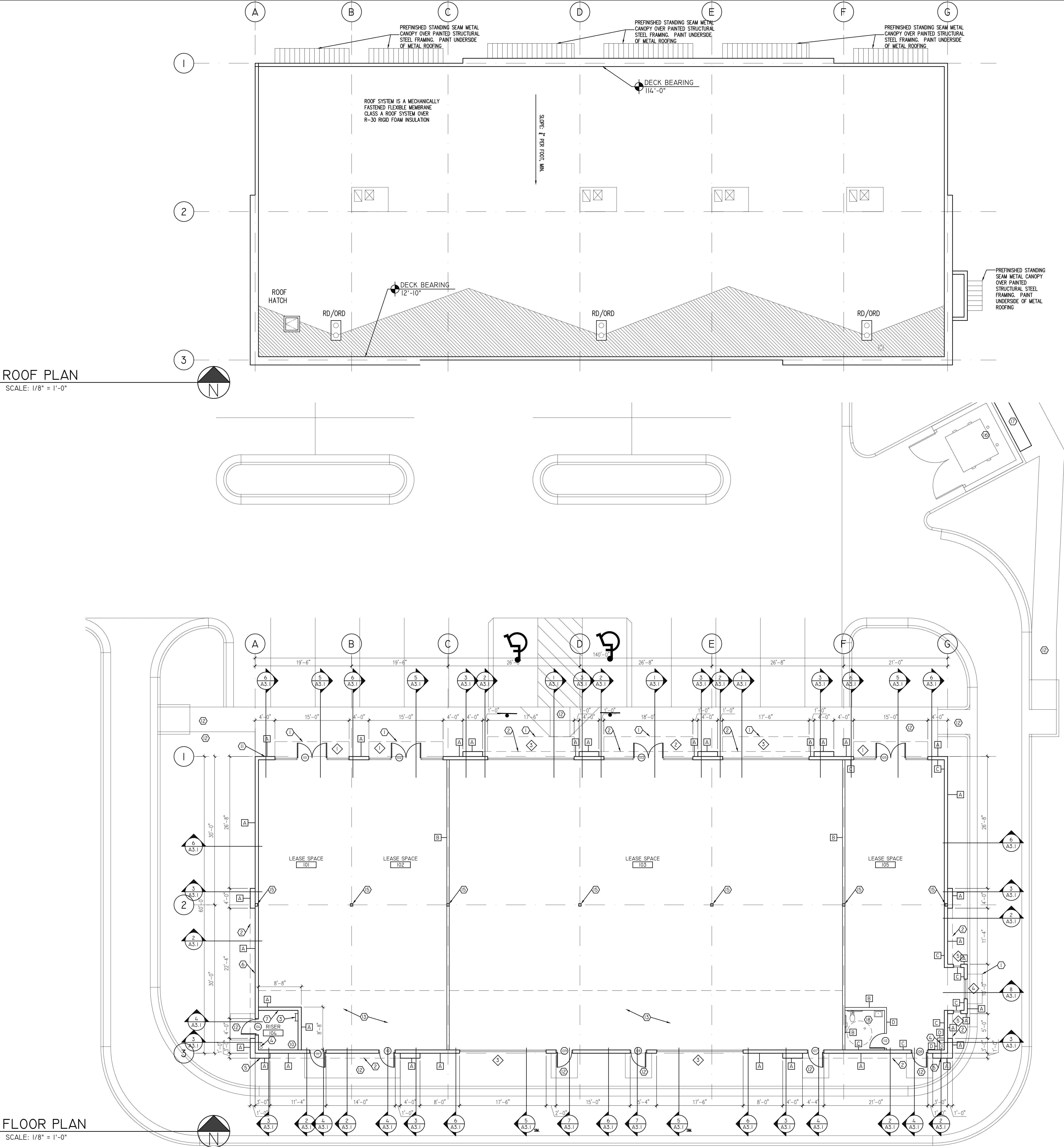
6" WOOD STUDS @ 16" O.C. WITH 5/8" TYPE-X GYP. BOARD ON BOTH SIDES. EXTEND STUDS AND GYP. BOARD TO B.O. ROOF DECK ABOVE. PROVIDE FULL SOUND BATT INSULATION.

C

5/8" TYPE-X GYP. BOARD

D

4" WOOD STUDS @ 16" O.C. WITH 5/8" TYPE-X GYP. BOARD ON BOTH SIDES. EXTEND



RETAIL BUILDING
SANTAQUIN PAD C

SANTAQUIN, UTAH

MARK	DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2020

AGENCY PROJECT NO:

DESIGN SEQUENCE PROJECT NO: 2010.01

CAD DWG FILE NO:

DRAWN BY: KV

DESIGNED BY: KV

DWG TYPE:

ARCHITECTURAL PHASE: PERMIT SET

SHEET TITLE

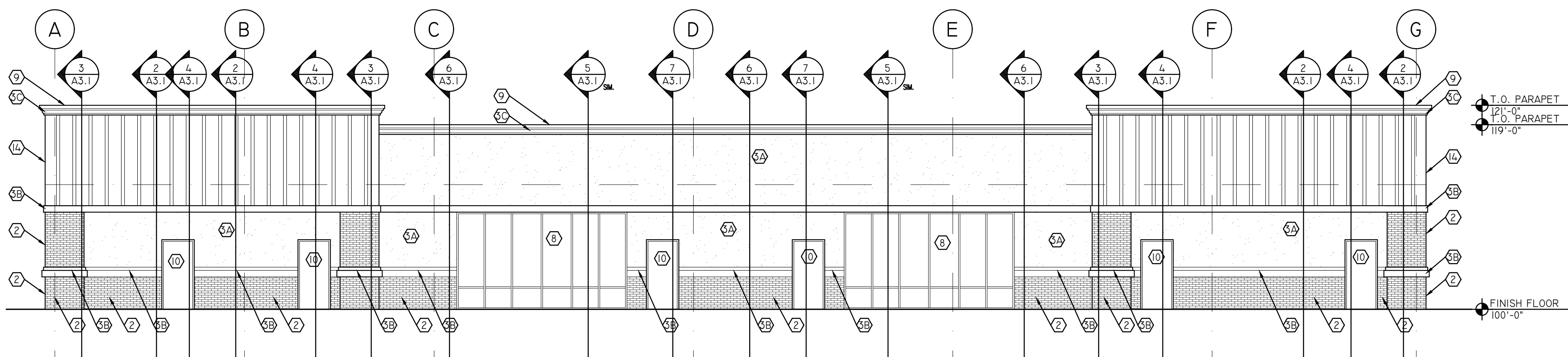
FLOOR PLAN &
ROOF PLAN

AI.1

MATERIAL SCHEDULE		
MARK	MATERIAL	FINISH/COLOR
②	THIN BRICK	INTERSTATE - MONTEREY
⑤A	EPS	COLOR 1 - ACCESSIBLE BEIGE SW7036
⑤B	EPS	COLOR 2 - TONY TAUPE SW7038
⑤C	EPS	COLOR 3 - VAN DYKE BROWN SW7041
④	PRECAST CONCRETE SILL	NATURAL
⑤	ARCHITECTURAL FINISH CONCRETE FOUNDATION	NATURAL
⑥	PREFINISHED STRUCTURAL STANDING SEAM METAL ROOFING	DARK BRONZE
⑦	PAINTED STEEL	MATCH DARK BRONZE, VERIFY COLOR
⑧	GLASS AND ALUMINUM STOREFRONT, RE: WINDOW AND DOOR SCHEDULE	DARK BRONZE STOREFRONT WITH CLEAR GLAZING
⑨	PREFINISHED METAL COPING	DARK BRONZE
⑩	PAINTED HM DOOR AND FRAME	MATCH DARK BRONZE, VERIFY COLOR
⑪	COWS TONGUE DOWNSPOUT NOZZLE, INSTALL AT 24" ABOVE FINISH GRADE, RE: PLUMBING	-
⑫	LIGHT FIXTURE, RE: ELECTRICAL	-
⑬	SIGNAGE PROVIDED AND INSTALLED BY OWNER. G.C. TO PROVIDE ELECTRICAL CONNECTIONS, RE: ELECTRICAL. G.C. TO PROVIDE ANCHORAGE FOR SIGNAGE. G.C. TO PROVIDE CORE DRILLED HOLES THROUGH MASONRY FOR CONDUIT FROM J BOXES MOUNTED AT THE INTERIOR OF THE BUILDING. COORDINATE NUMBER AND LOCATION WITH SIGNAGE SUPPLIER.	-
⑭	BOARD AND BATTEN CEMENT BOARD SIDING	HARDIE BOARD - TIMBER BARK

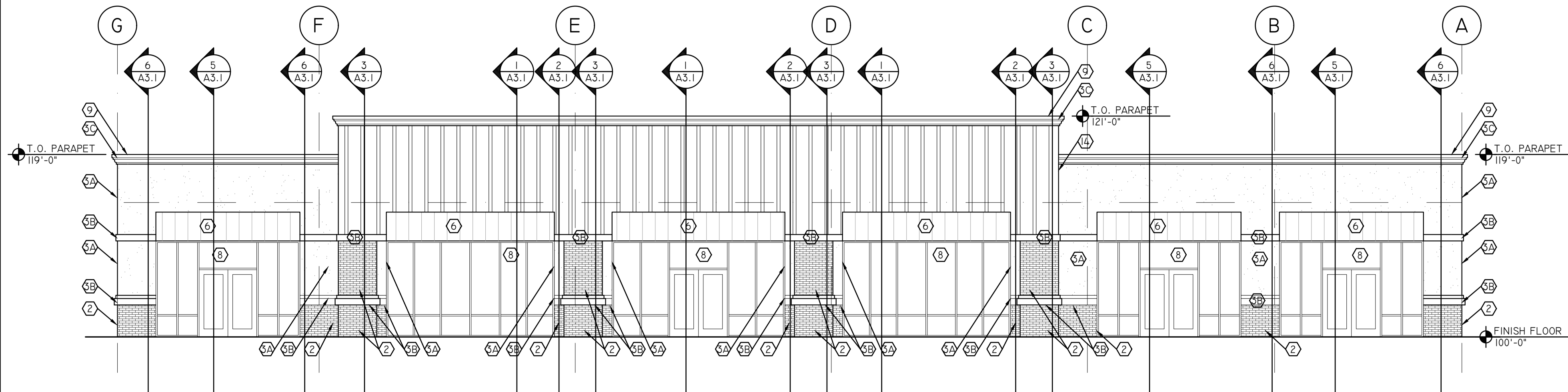
EXTERIOR ELEVATION NOTES:

- ALL COLOR SELECTIONS ARE PRELIMINARY. G.C. TO VERIFY FINAL COLOR SELECTIONS WITH ARCHITECT AND OWNER PRIOR TO ORDERING.
- ALL EXPOSED STEEL TO BE PAINTED AS DESCRIBED IN SPEC., VERIFY COLOR WITH ARCHITECT AND OWNER.
- UNDERSIDE OF PREFINISHED METAL STANDING SEAM ROOFING TO BE PAINTED. VERIFY COLOR WITH ARCHITECT AND OWNER.
- PROVIDE MASONRY CONTROL JOINTS AS SHOWN, RE: 7/A5.2.
- PROVIDE COLORED MORTAR AT CMU AND BRICK. COLOR TO BE SELECTED BY THE ARCHITECT FROM THE MANUFACTURERS FULL LINE OF COLORS.



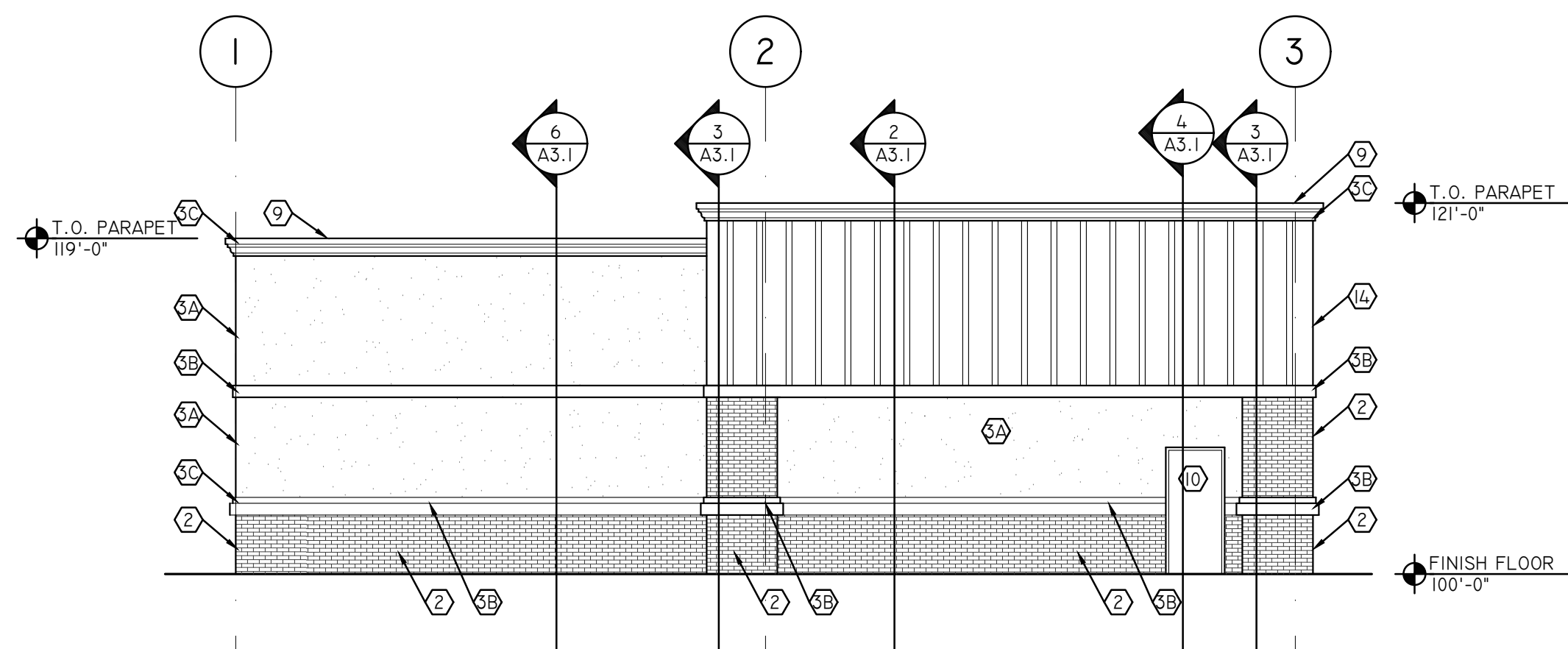
SOUTH ELEVATION

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



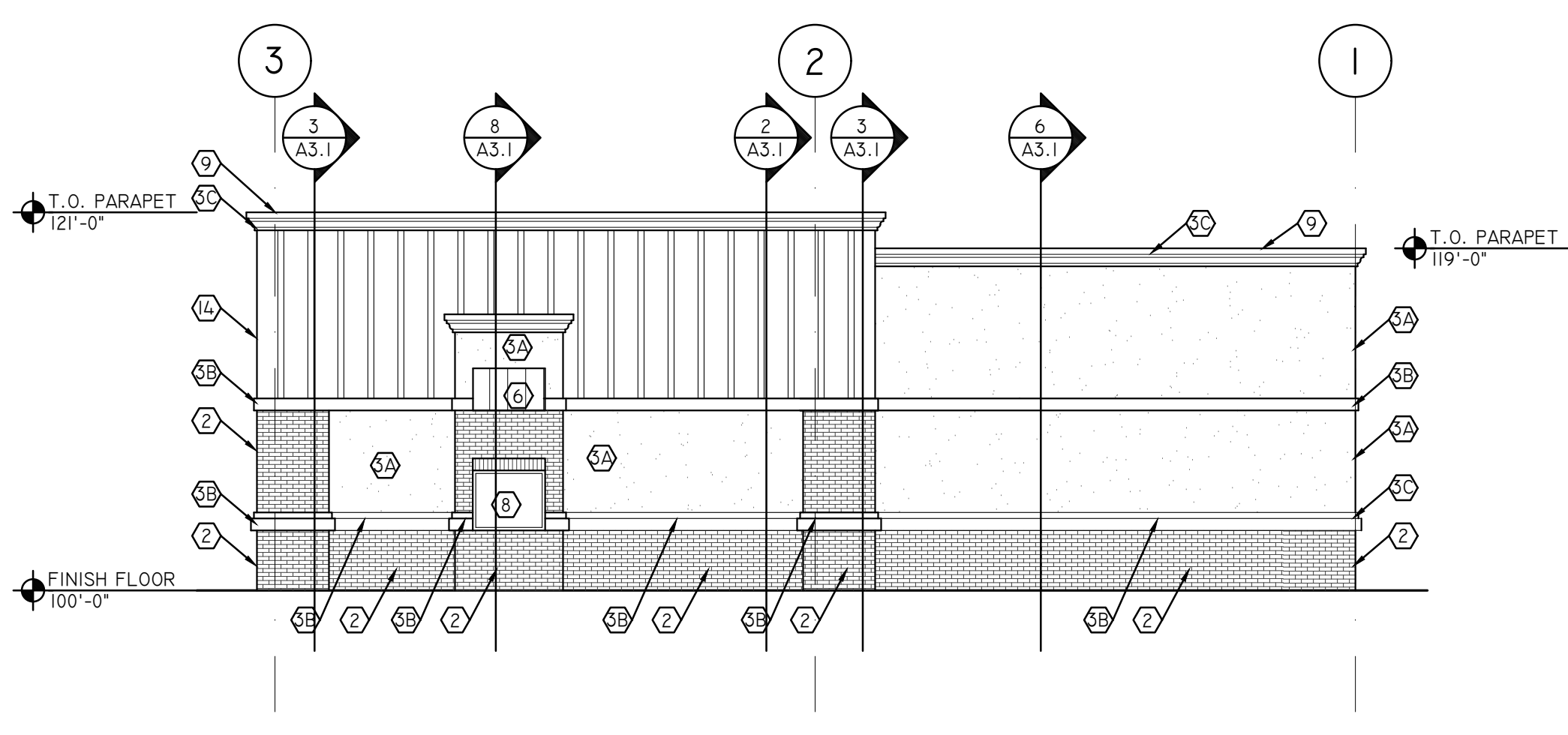
NORTH ELEVATION

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



WEST ELEVATION

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



EAST ELEVATION

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



RETAIL BUILDING
SANTAQUIN PAD C

SANTAQUIN, UTAH

MARK	DATE	DESCRIPTION

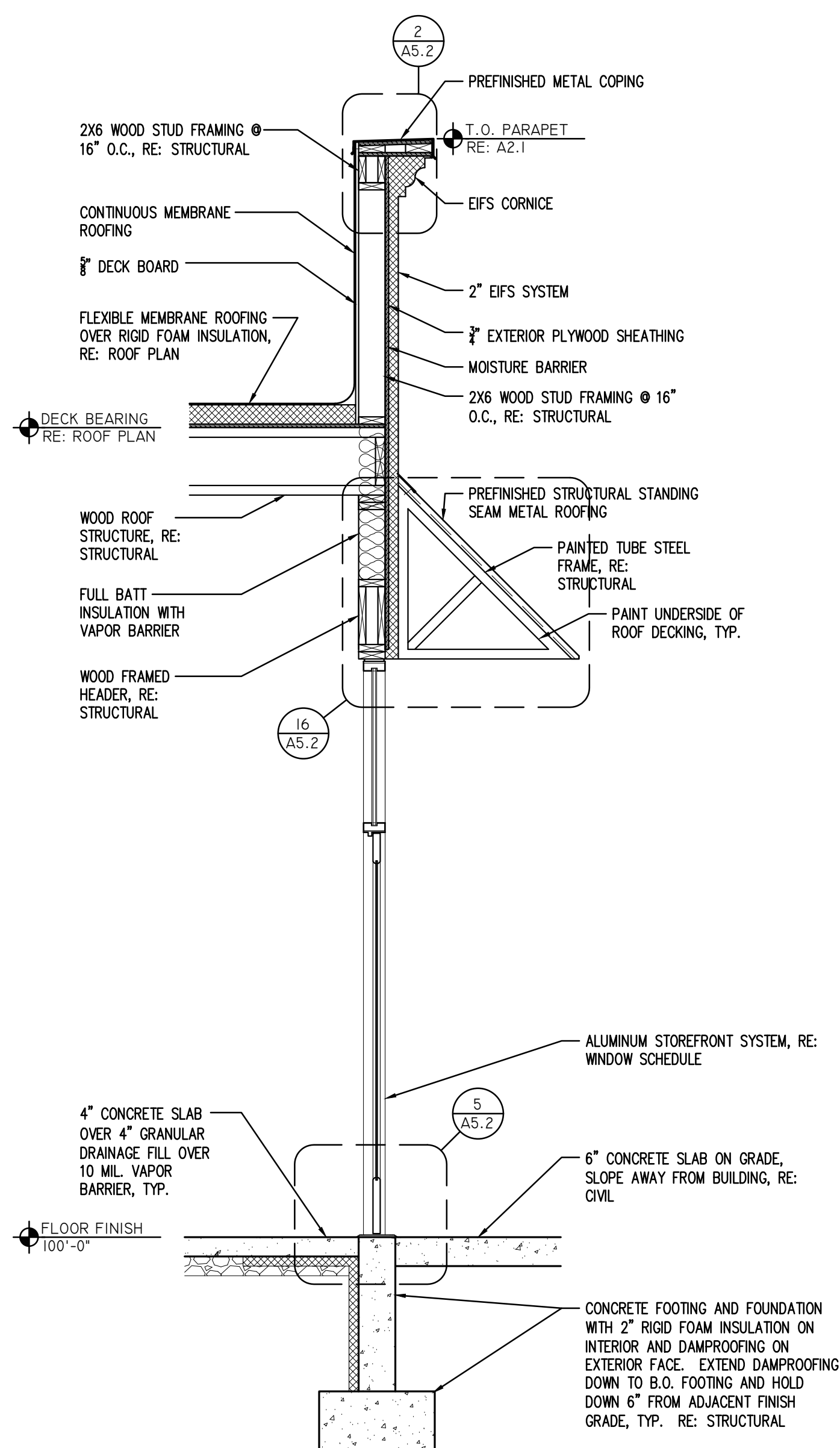
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CAD DWG FILE NO:

DRAWN BY: KV
DESIGNED BY: KV
DWG TYPE:
ARCHITECTURAL PHASE: PERMIT SET

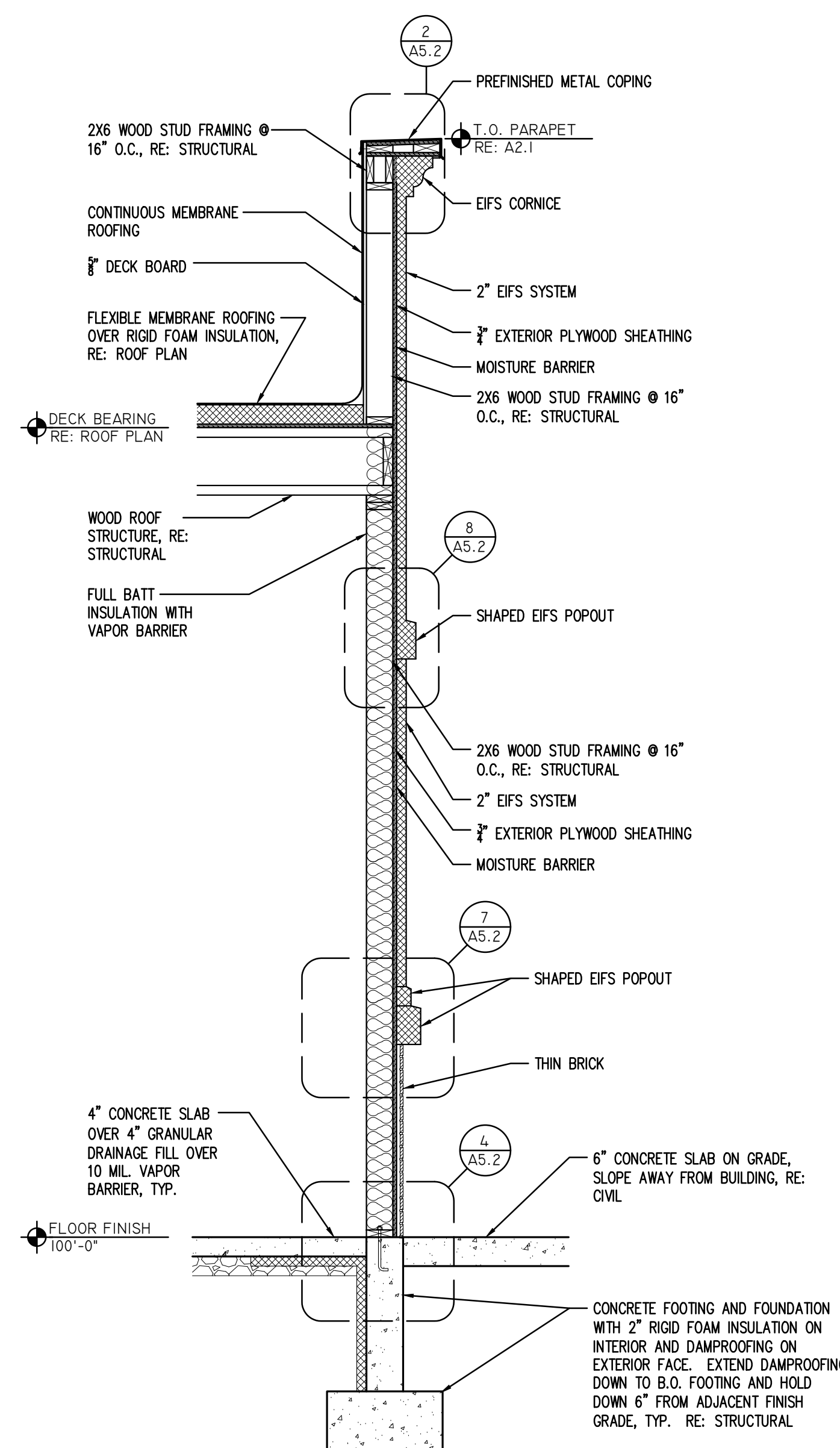
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EXTERIOR
ELEVATIONS

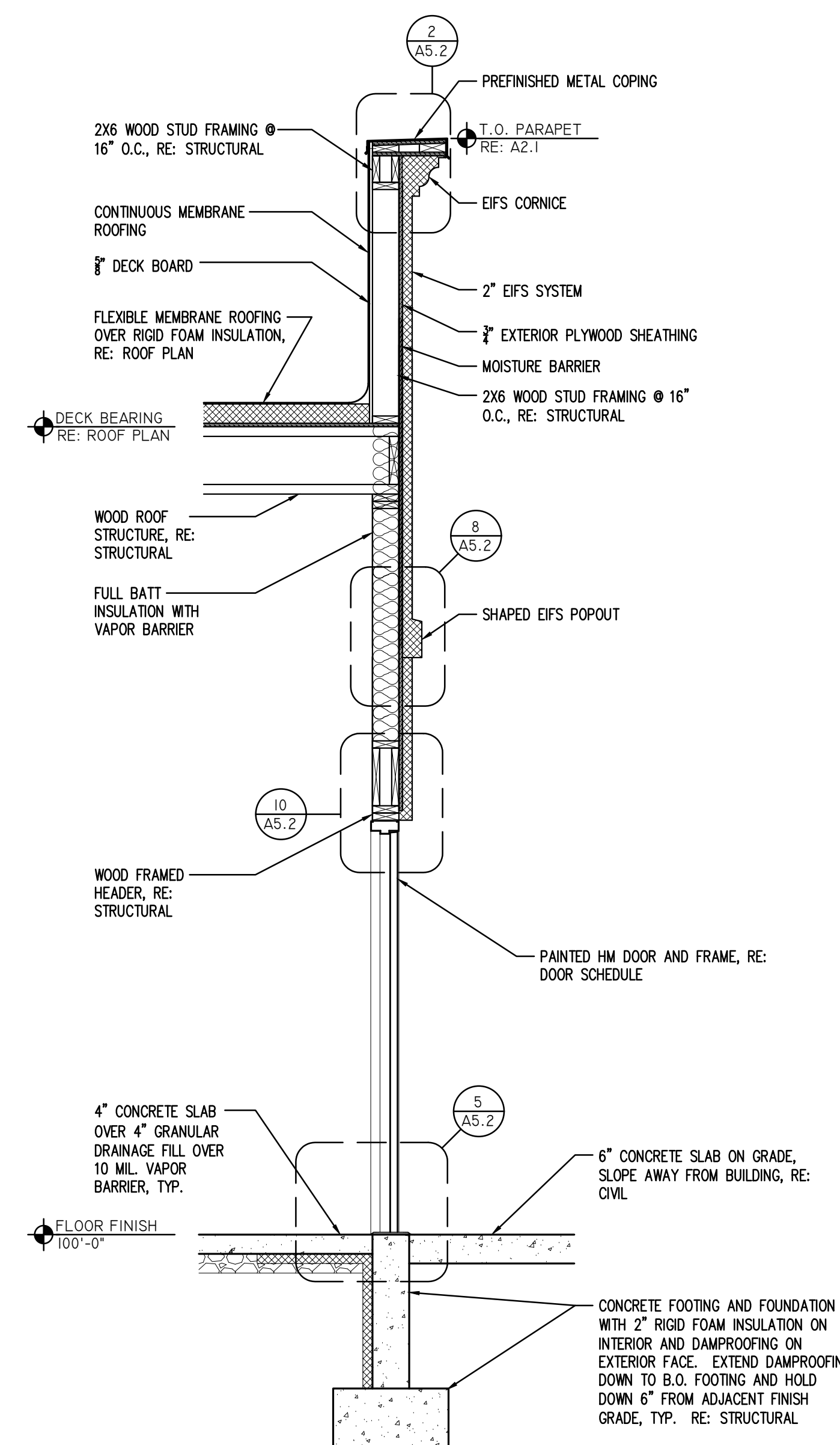
A2.1



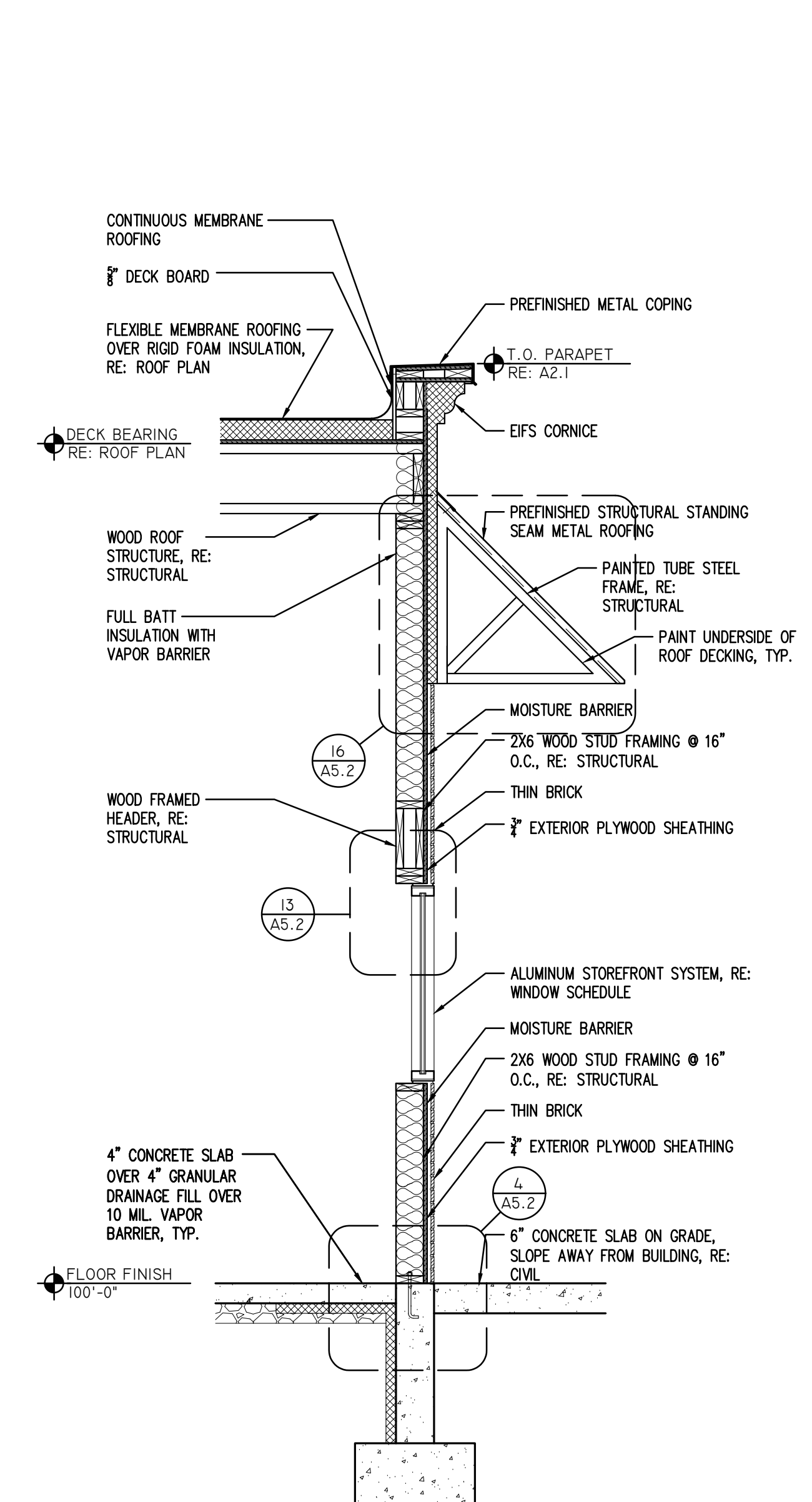
5 WALL SECTION
SCALE: 1/2" = 1'-0"



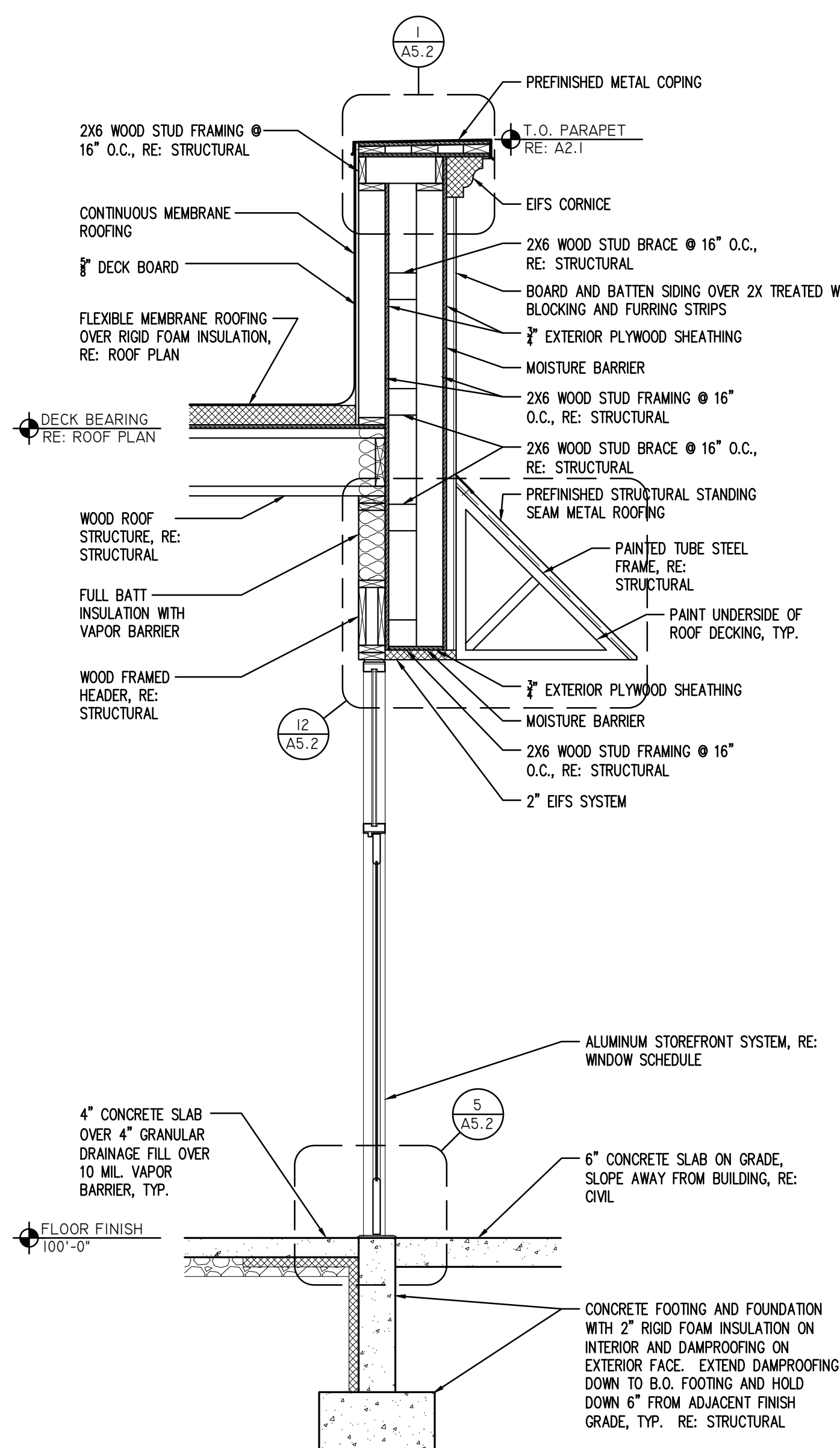
6 WALL SECTION
SCALE: 1/2" = 1'-0"



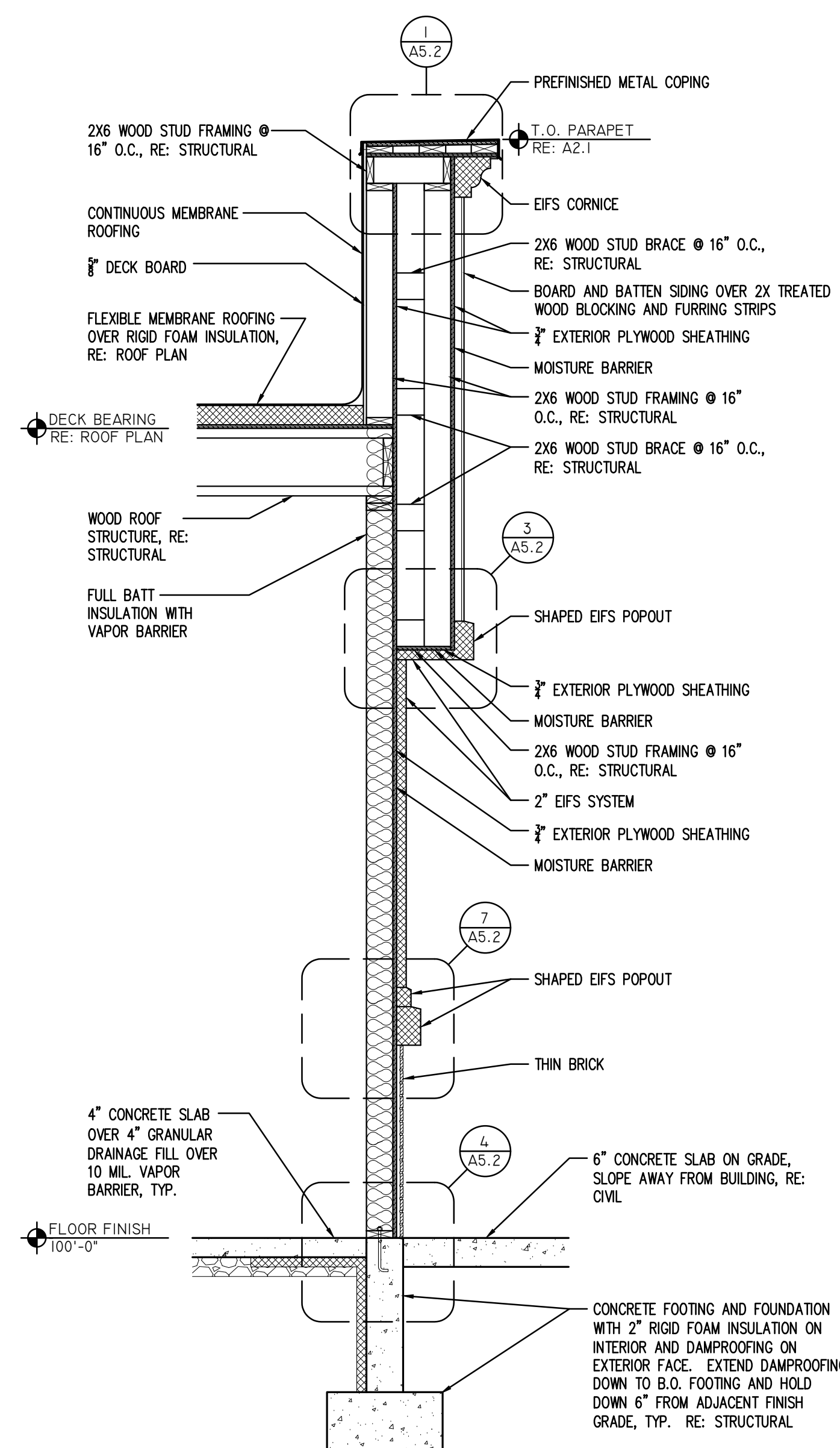
7 WALL SECTION
SCALE: 1/2" = 1'-0"



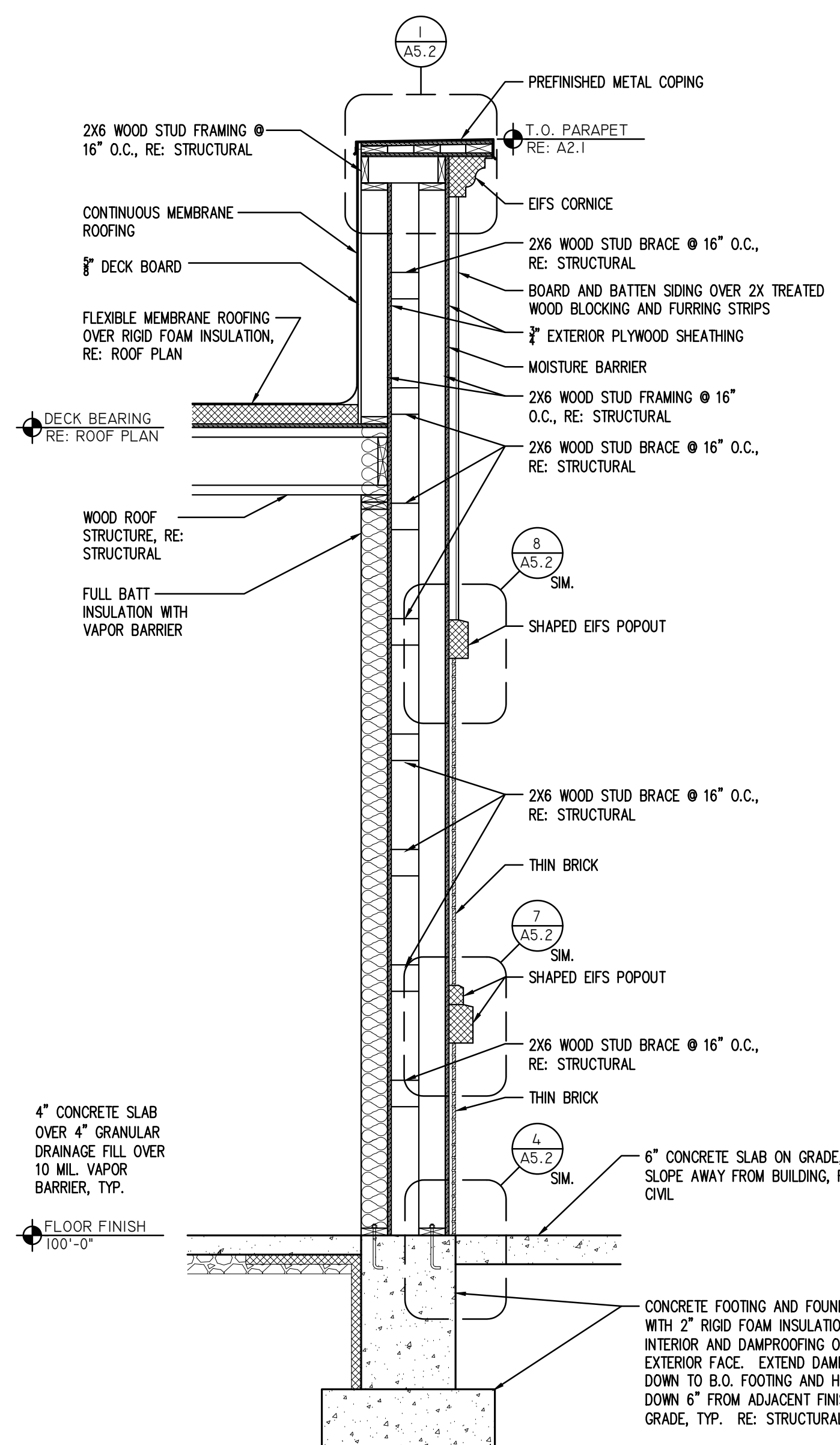
8 WALL SECTION
SCALE: 1/2" = 1'-0"



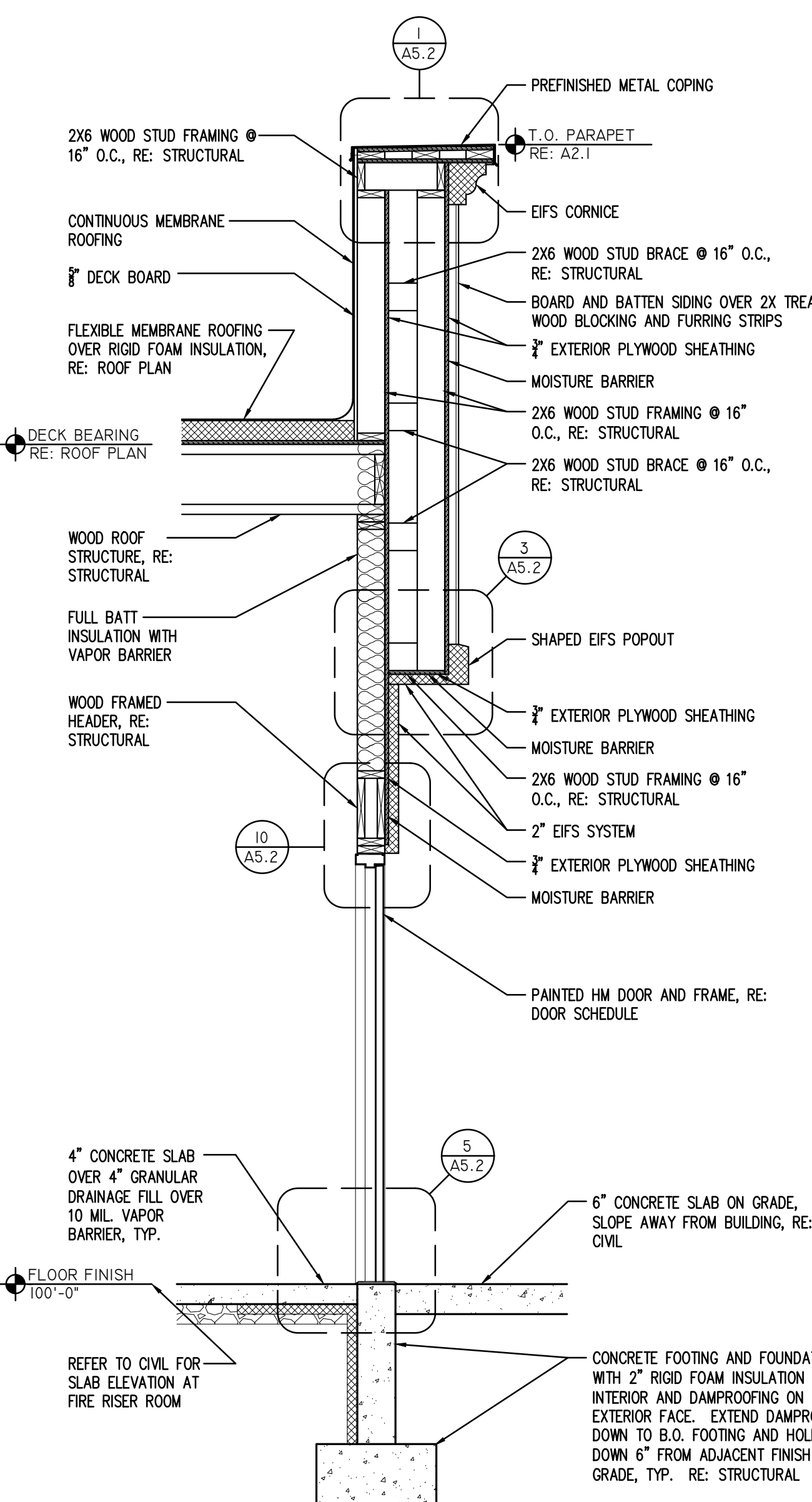
1 WALL SECTION
SCALE: 1/2" = 1'-0"



2 WALL SECTION
SCALE: 1/2" = 1'-0"



3 WALL SECTION
SCALE: 1/2" = 1'-0"



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

RETAIL BUILDING SANTAQUIN PAD C

SANTAQUIN, UTAH

MARK	DATE	DESCRIPTION

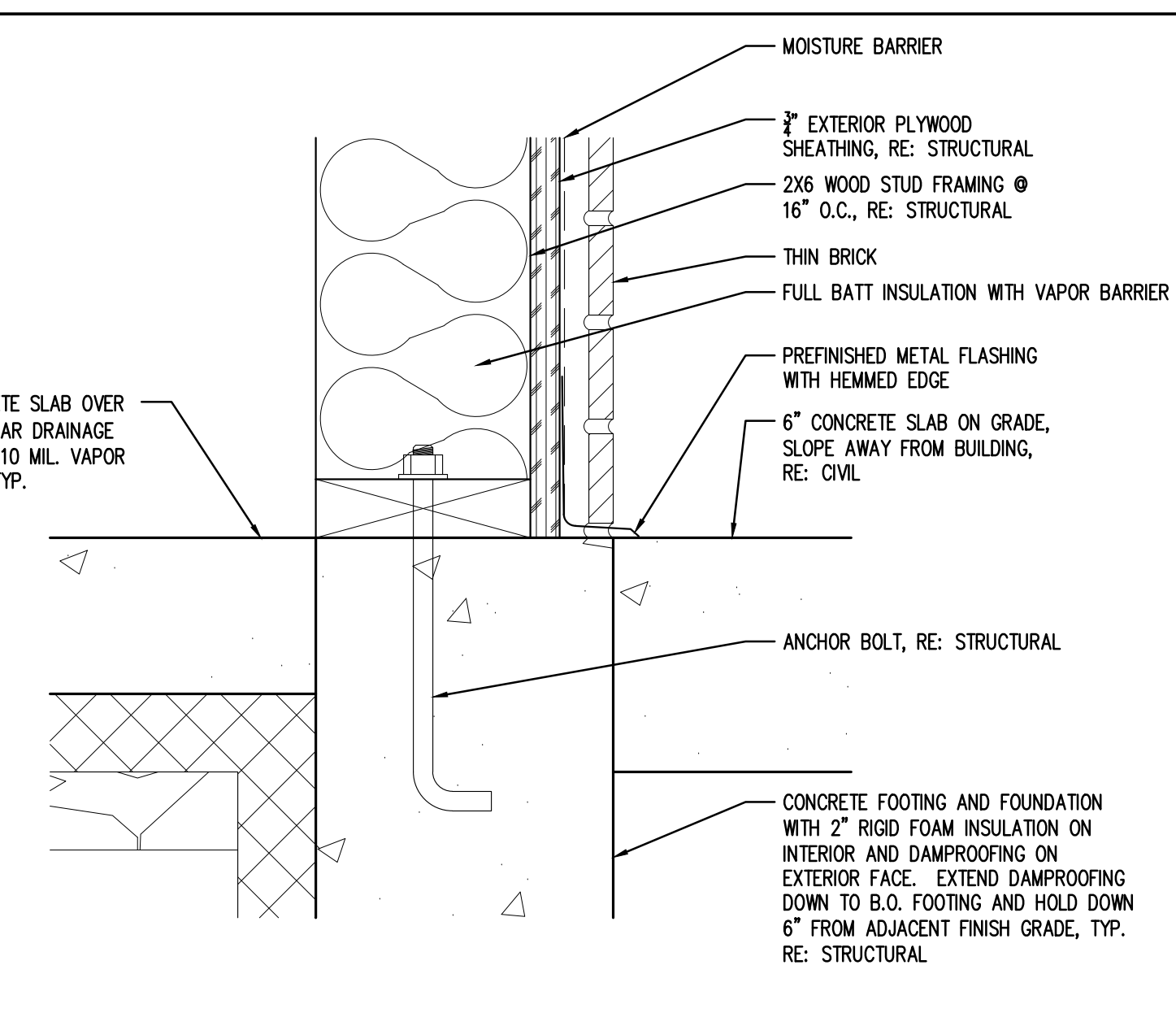
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AGENCY PROJECT NO:
DESIGN SEQUENCE PROJECT NO: 2010.01
CAD DWG FILE NO:

DRAWN BY: KV
DESIGNED BY: KV
DWG TYPE:
ARCHITECTURAL PHASE: PERMIT SET

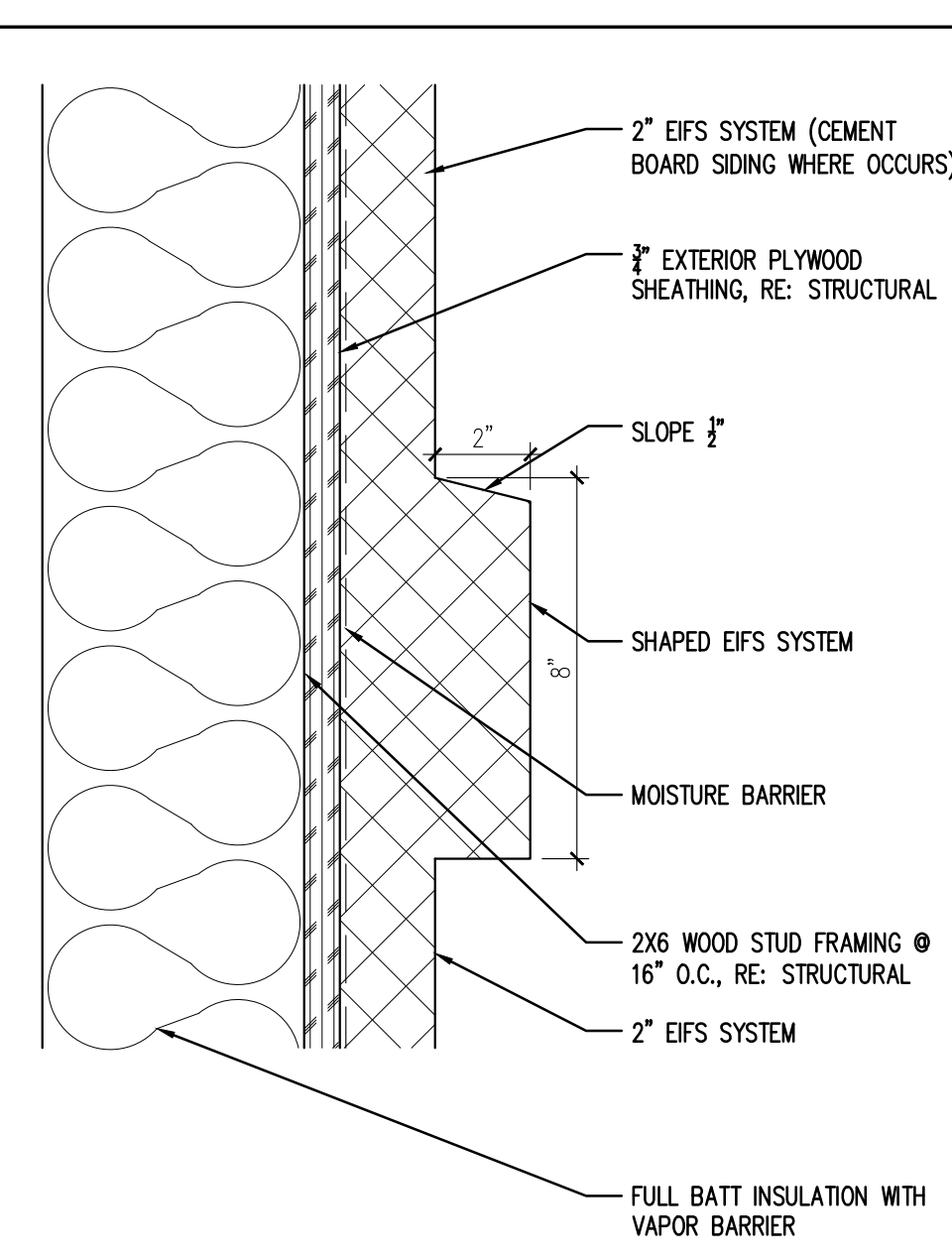
SHEET TITLE

WALL SECTIONS

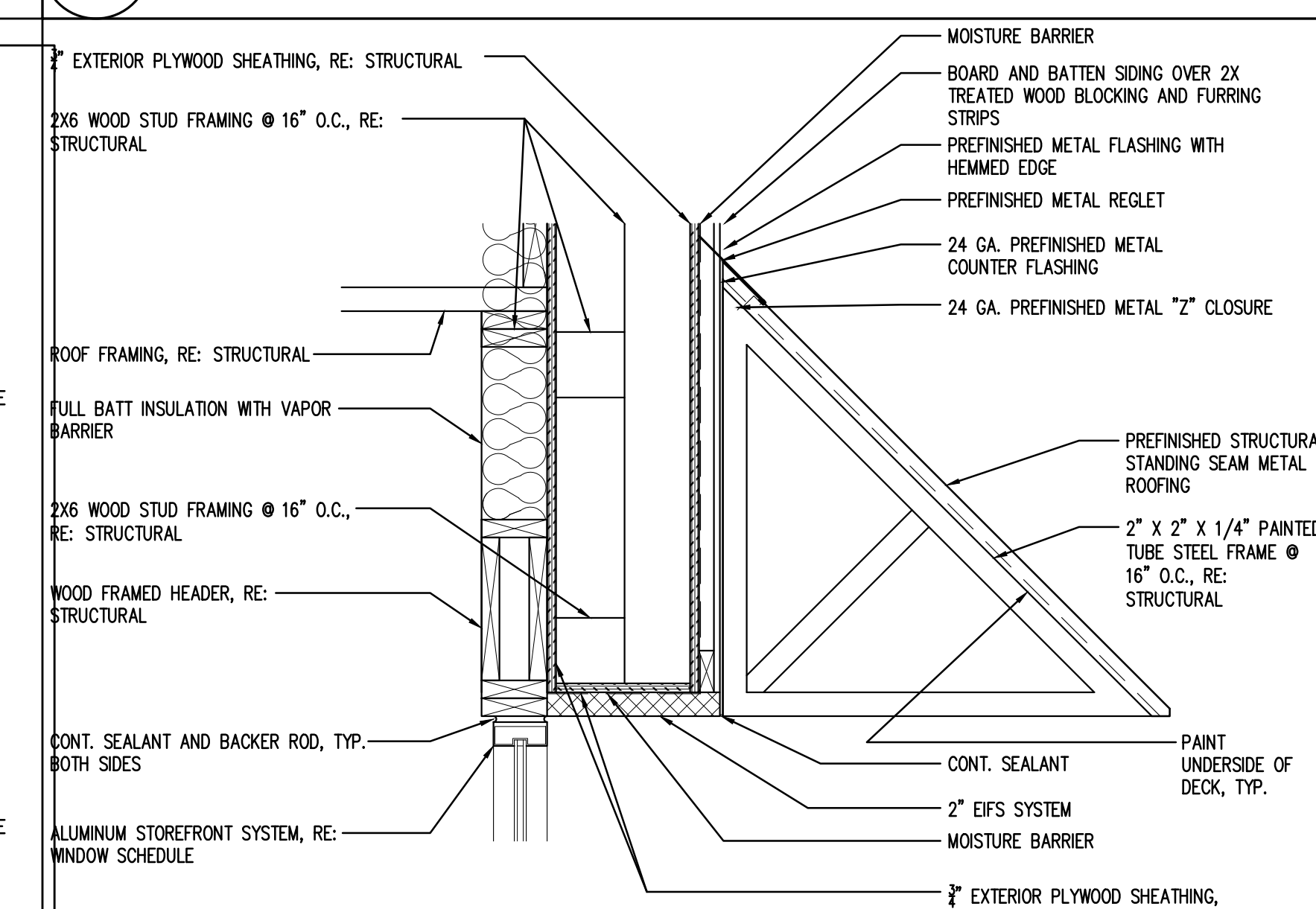
A3.1



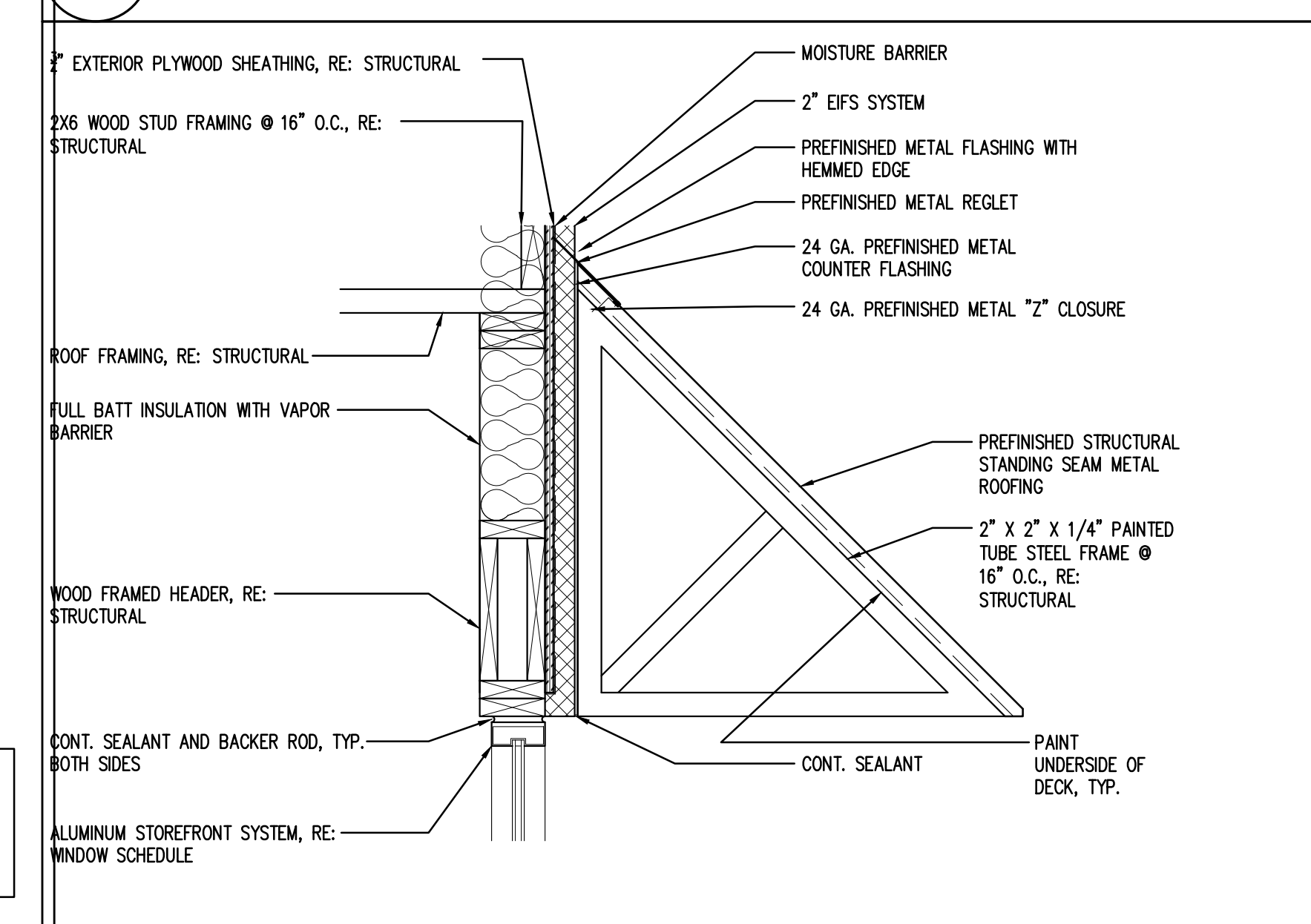
4 SECTION DETAIL
SCALE: 3" = 1'-0"



8 SECTION DETAIL
SCALE: 3" = 1'-0"



12 STANDING SEAM CANOPY
SCALE: 1" = 1'-0"



16 STANDING SEAM CANOPY

A5.2

SHOPS ENTRY DOOR
 4-1/2" DARK BRONZE ANODIZED ALUMINUM

EXTERIOR SLIDING WINDOW
 4-1/2" DARK BRONZE ANODIZED ALUMINUM

EXTERIOR SLIDING WINDOW
 4-1/2" DARK BRONZE ANODIZED ALUMINUM

Technical drawing of a flush door. The drawing shows a rectangular door with a double-line border. The top edge is labeled "SEE SCHED." with a dimension line indicating a width of 2". The left edge is labeled "SEE SCHED." with a dimension line indicating a height of 6'-0". The center of the door is labeled "FLUSH DOOR". Below the door, there is a dimension line labeled "A" indicating the width of the door.

1. THE GLAZING CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS PRIOR TO PURCHASING OR FABRICATING ANY GLAZING SYSTEM COMPONENTS.

1	CLEAR 1" INSULATED
2	CLEAR 1" INSULATED TEMPERED
3	CLEAR 1" INSULATED SPANDREL TEMPERED

Hardware Schedule

Hardware Group 1 – Front Entry Double Door									
2	ea	Cont. Hinge	780-112HD						
2	ea	Exit device	984BLN x 697NL	260			Roton		
2	ea	Stabilizer					Van Duprin		
2	ea	Closers	4040XP				LCN		
1	ea	Weatherstripping							
2	ea	Door Bottom	Pemko	434	ANBL				
1	ea	Threshold							
1 Sign "This door to remain unlocked during business hours." per IBC									
Hardware Group 2 – Rear Door									
3	Each	Hinges	Hager	AB700	4-1/2" x 4-1/2"	260			
1	Each	Panic	Van Duprin	CD 98 ED				US260	
1	Each	Lockset	Best	93K 7 D 14D S3				626	
1	Each	Closer	LCN	4040XP				Alum	
1	Each	Threshold	Pemko	170 A					
1	Each	Door Bottom/Pemko			368	CN			
1	Each	Weatherstripping	Pemko		303 A				
1	Each	Pinchplate							
3	Each	Silencers							
Hardware Group 3 – Fire Riser Door									
3	Each	Hinges	Hager	AB750	5" x 5"	260			
1	Each	Lockset	Best	93K 7 D 14D S3				626	
1	Each	Closer	LCN	4040XP				Alum	
1	Each	Threshold	Pemko	170 A					
1	Each	Door Bottom/Pemko			368	CN			
1	Each	Weatherstripping	Pemko		303 A				
3	Each	Silencers							
Hardware Group 4 – Single Use Restroom Door									
3	Each	Hinges	Hager	AB700	4-1/2" x 4-1/2"	260			
1	Each	Lockset	Best	93K 7 D 14D S3				626	
1	Each	Closer	LCN	4040XP				Alum	
1	Each	Stop	Rockwood	440					
1	Each	Kickplate	Rockwood	12"				32D	
3	Each	Silencers							

[illegible][illegible]

SANTAQUIN, UTAH

[illegible]

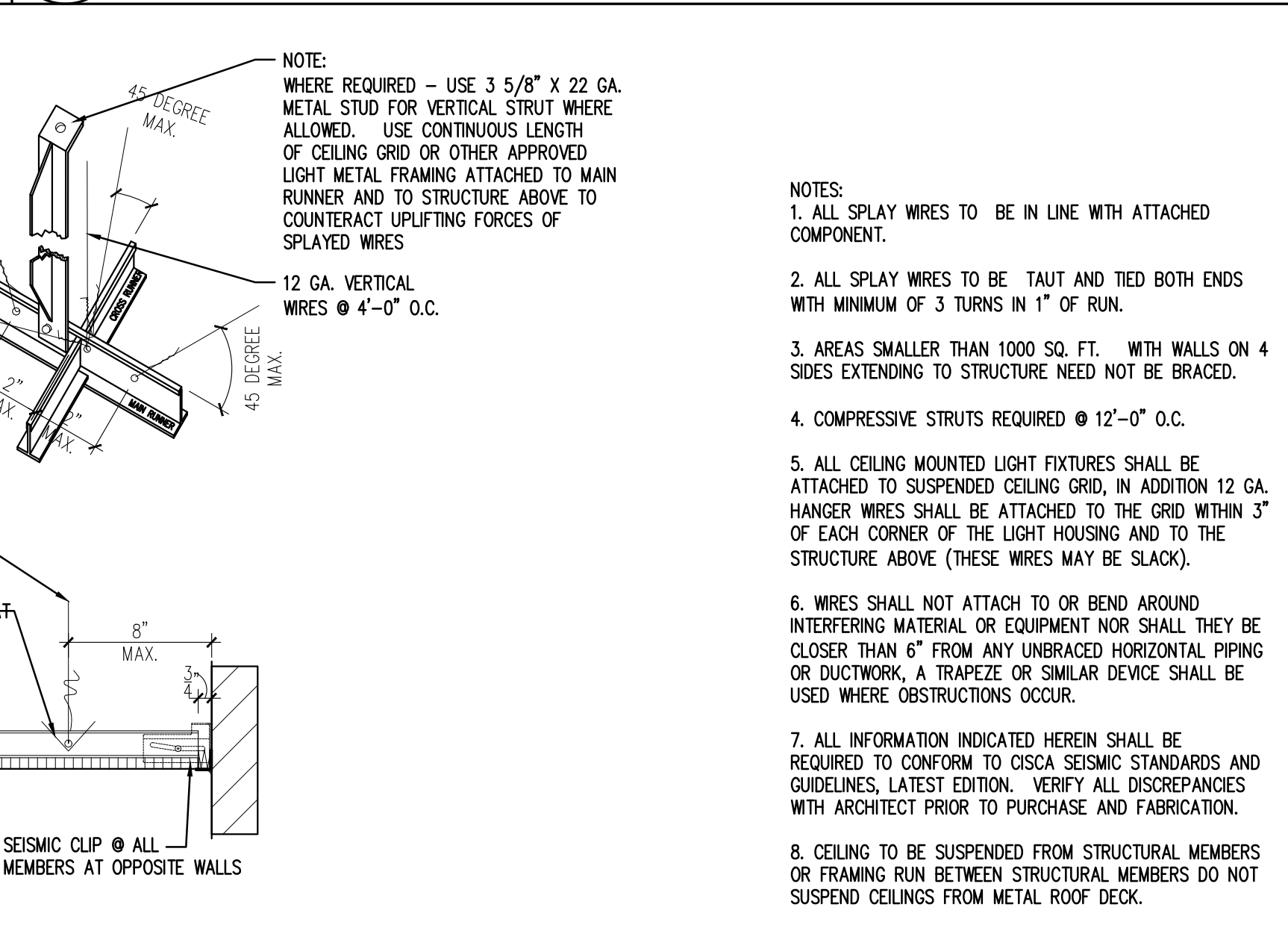
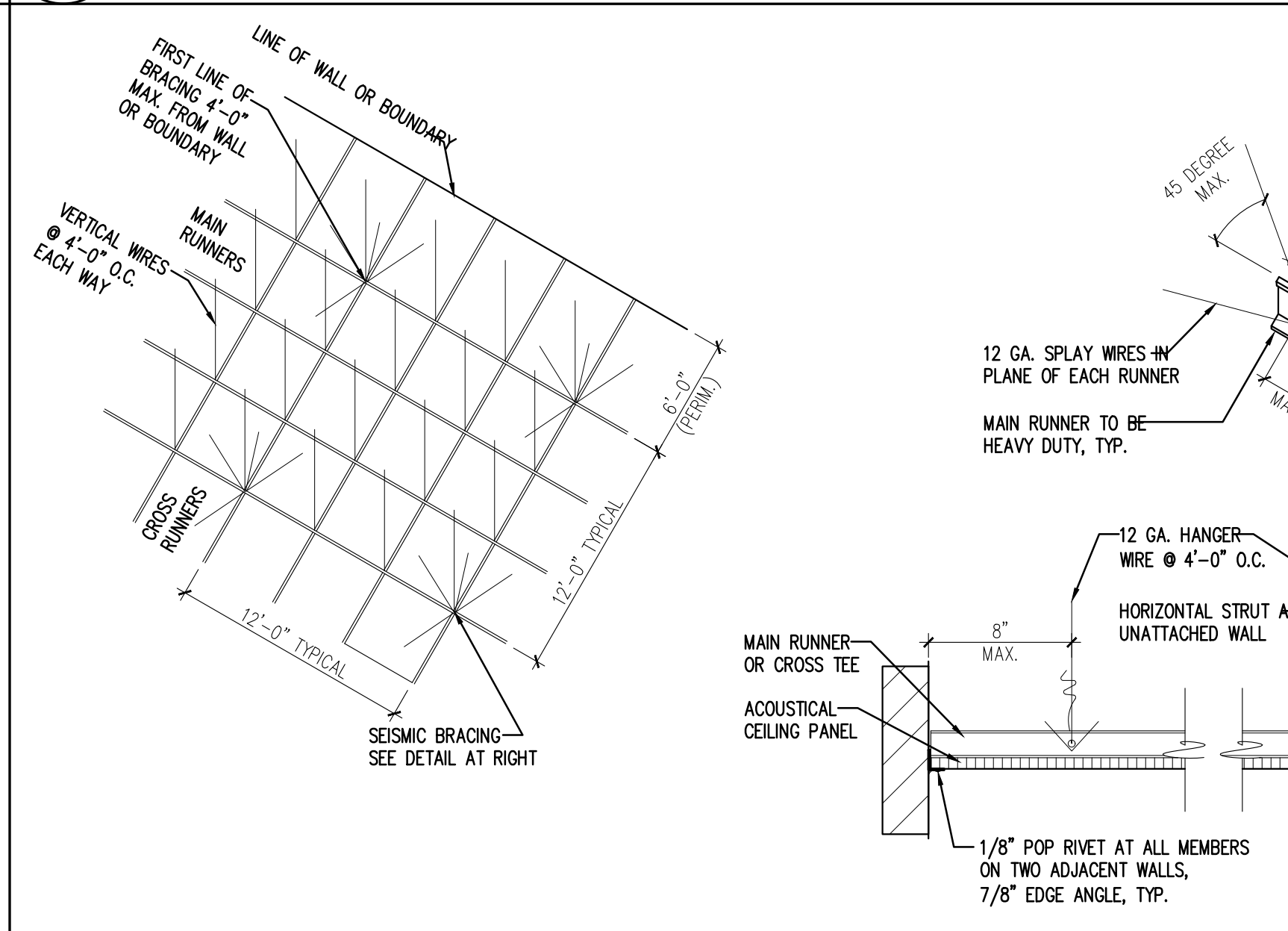
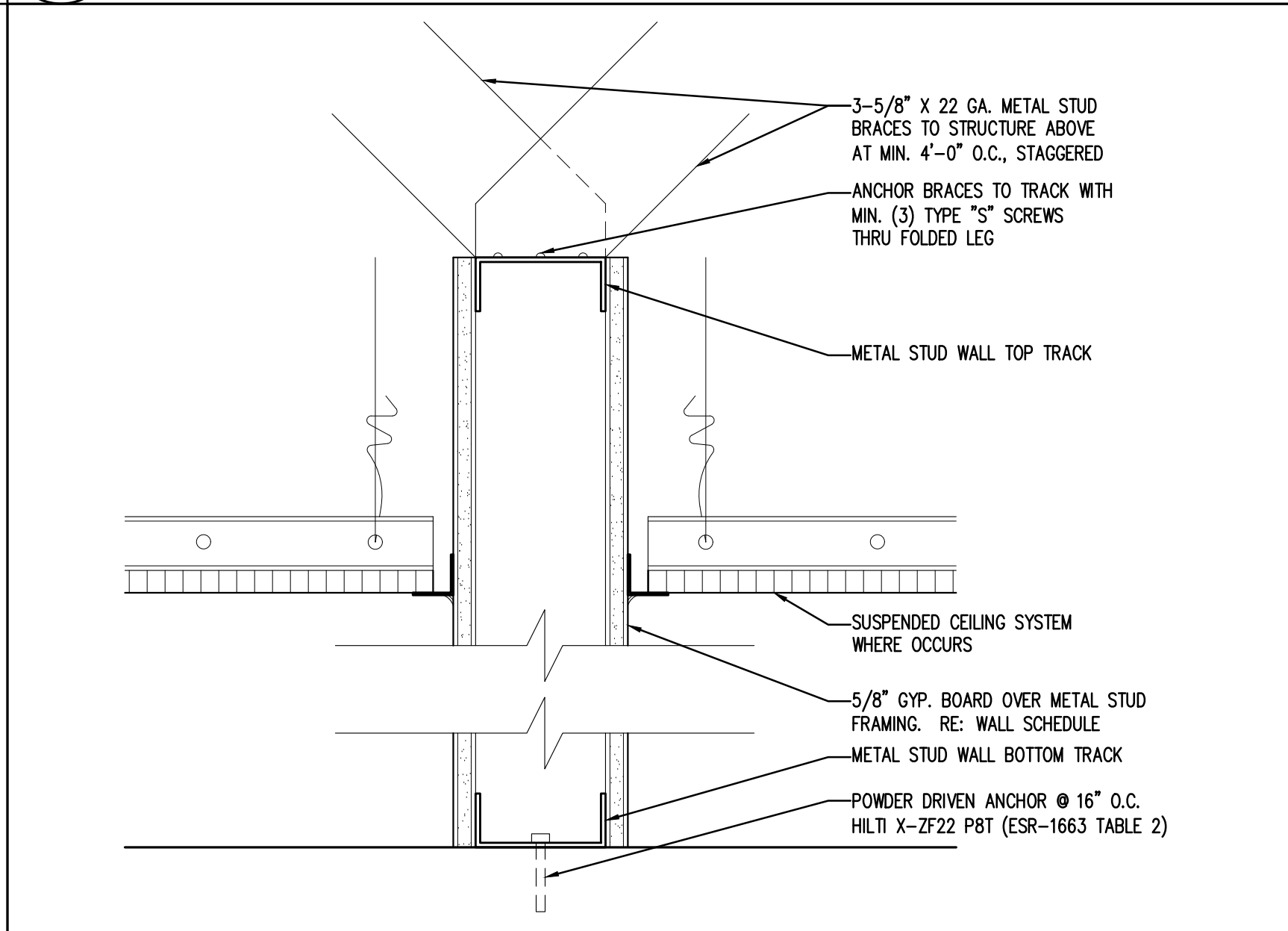
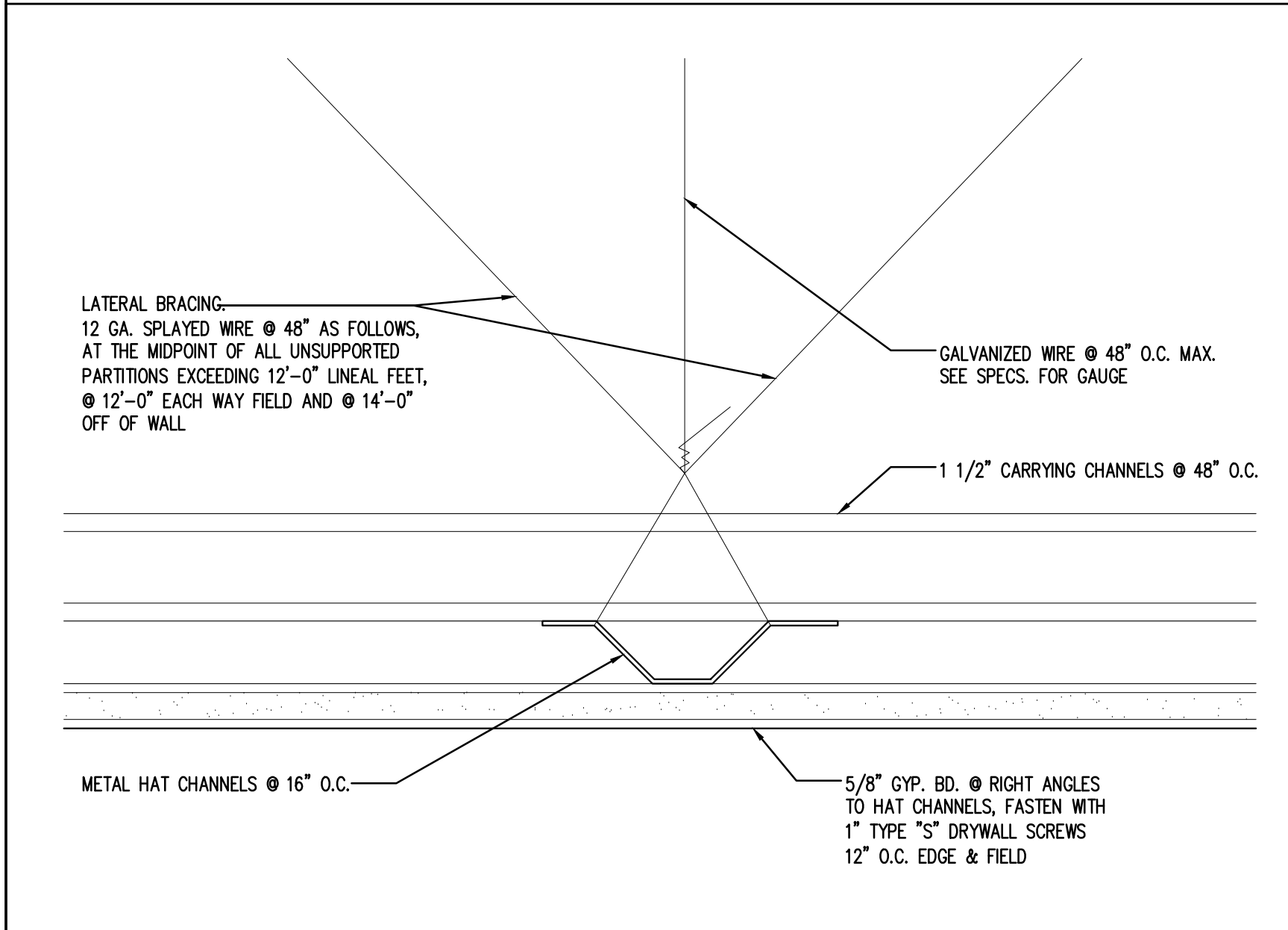
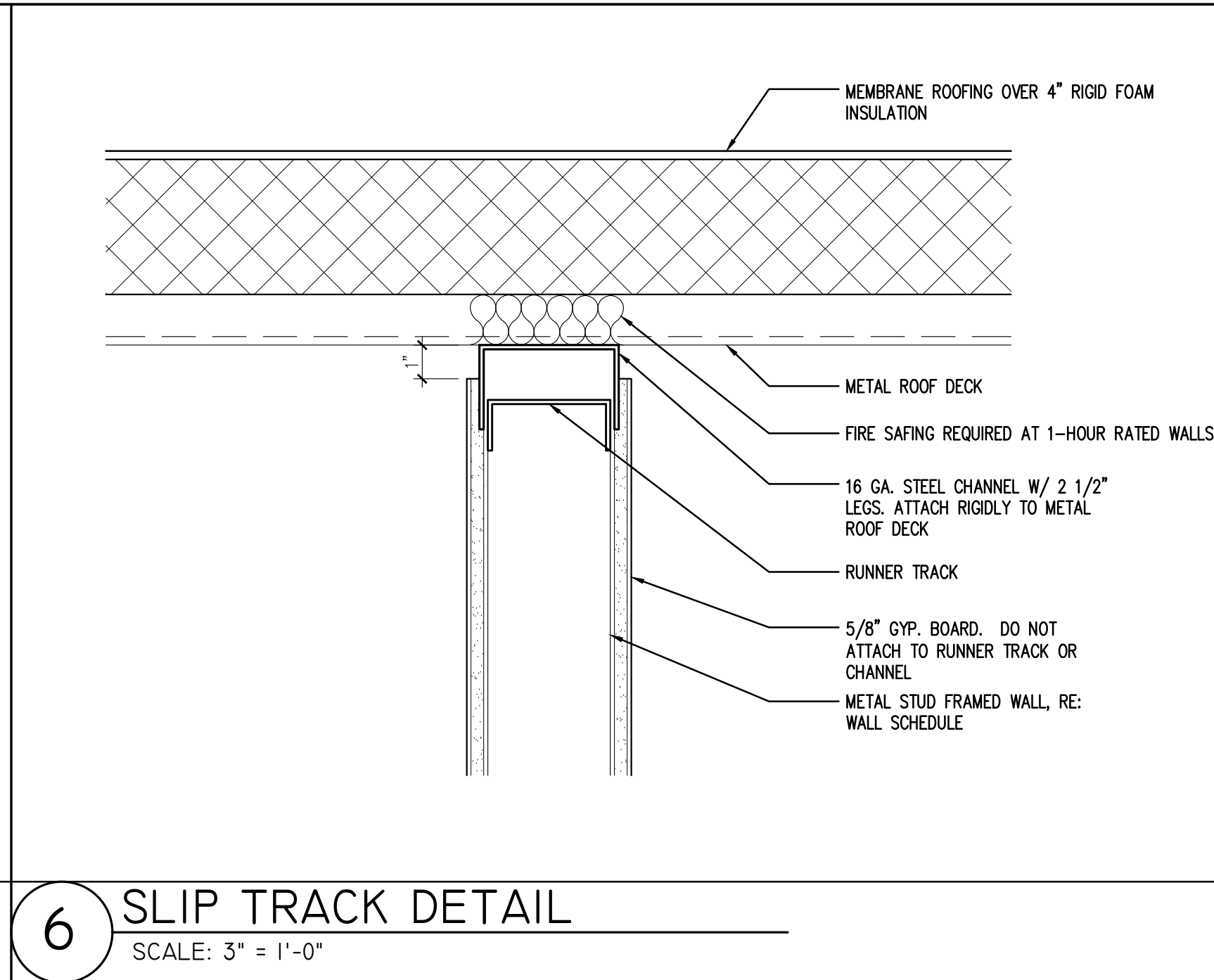
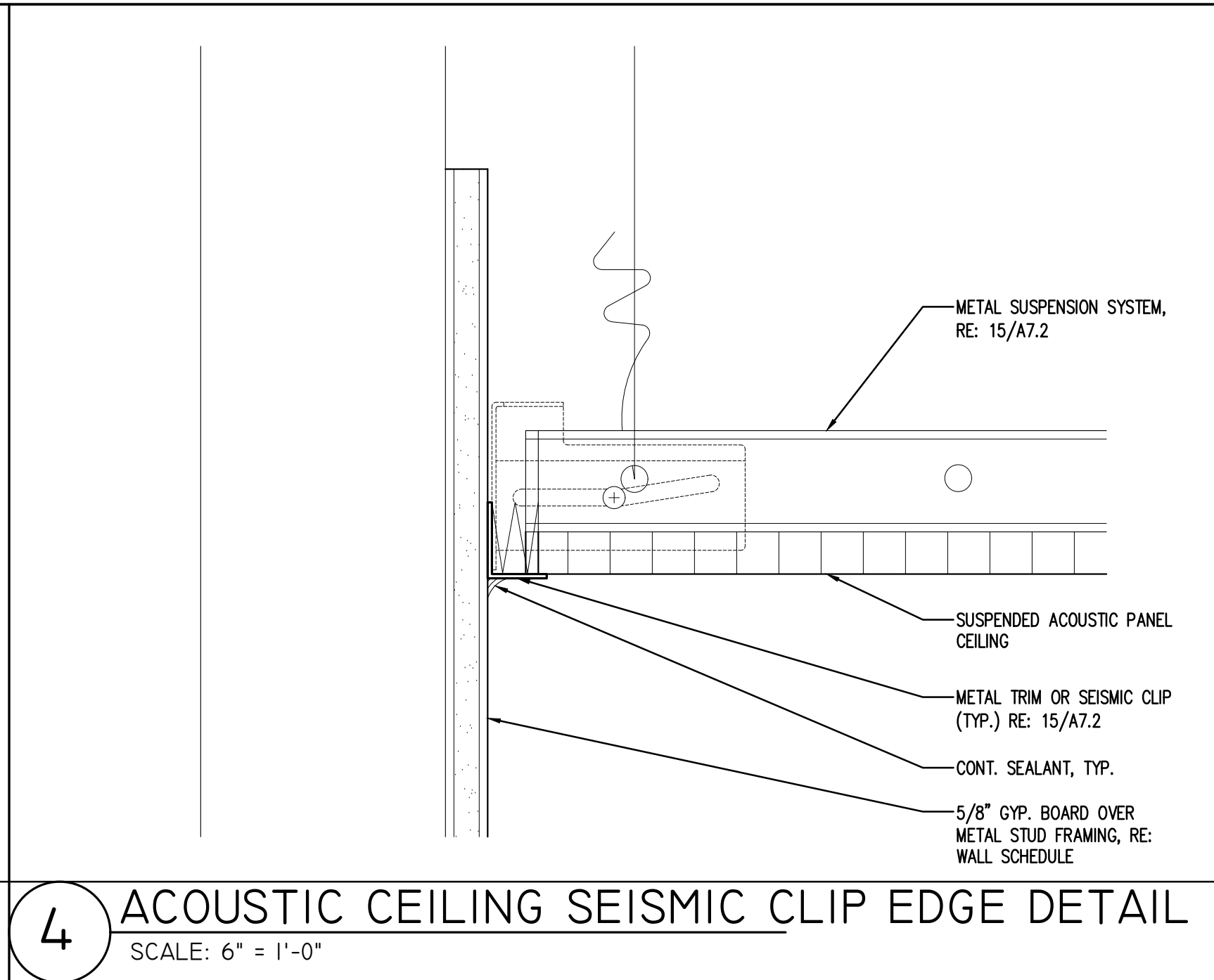
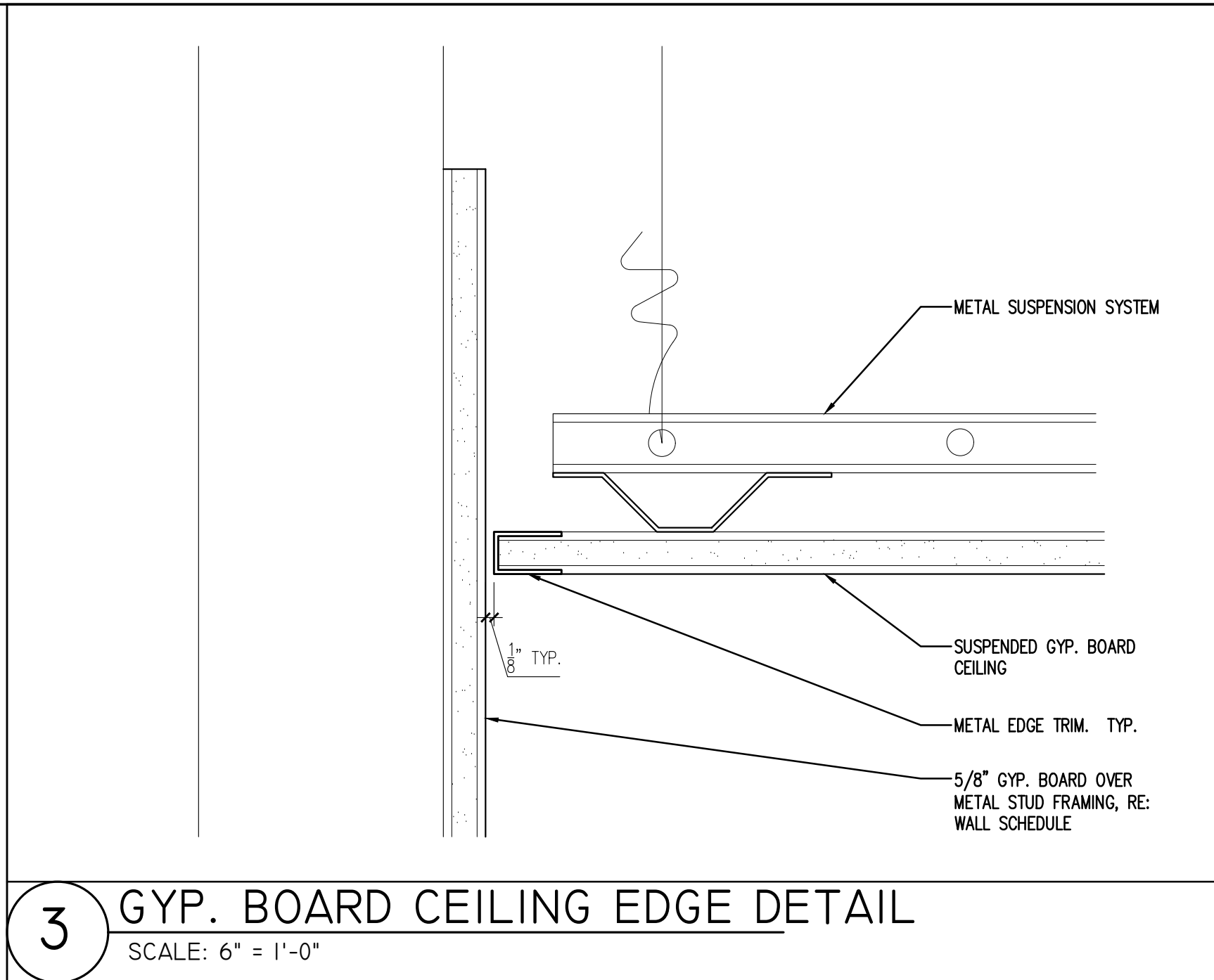
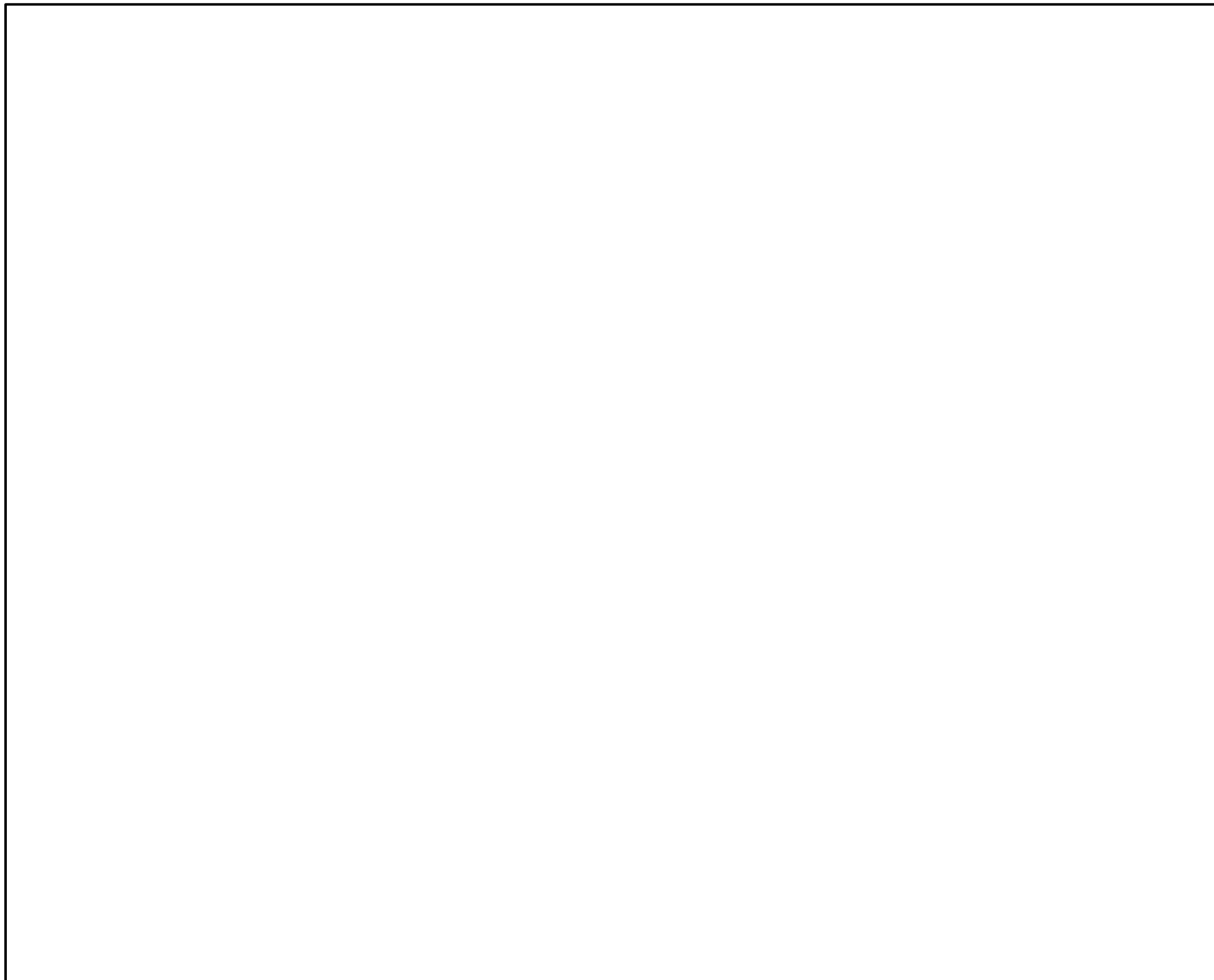
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AGENCY PROJECT NO:	
DESIGN SEQUENCE PROJECT NO:	2010.01
CAD DWG FILE NO:	

DRAWN BY:	KV
DESIGNED BY:	KV
DWG TYPE:	
ARCHITECTURAL PHASE:	PERMIT SET

SHEET TITLE

SCHEDULES

A6.1



RCP SCOPE OF WORK NOTES

1. PROVIDE VINYL FACED CEILING TILES IN THE FOOD PREP AREAS, TYP.

RCP KEYED NOTES

① -

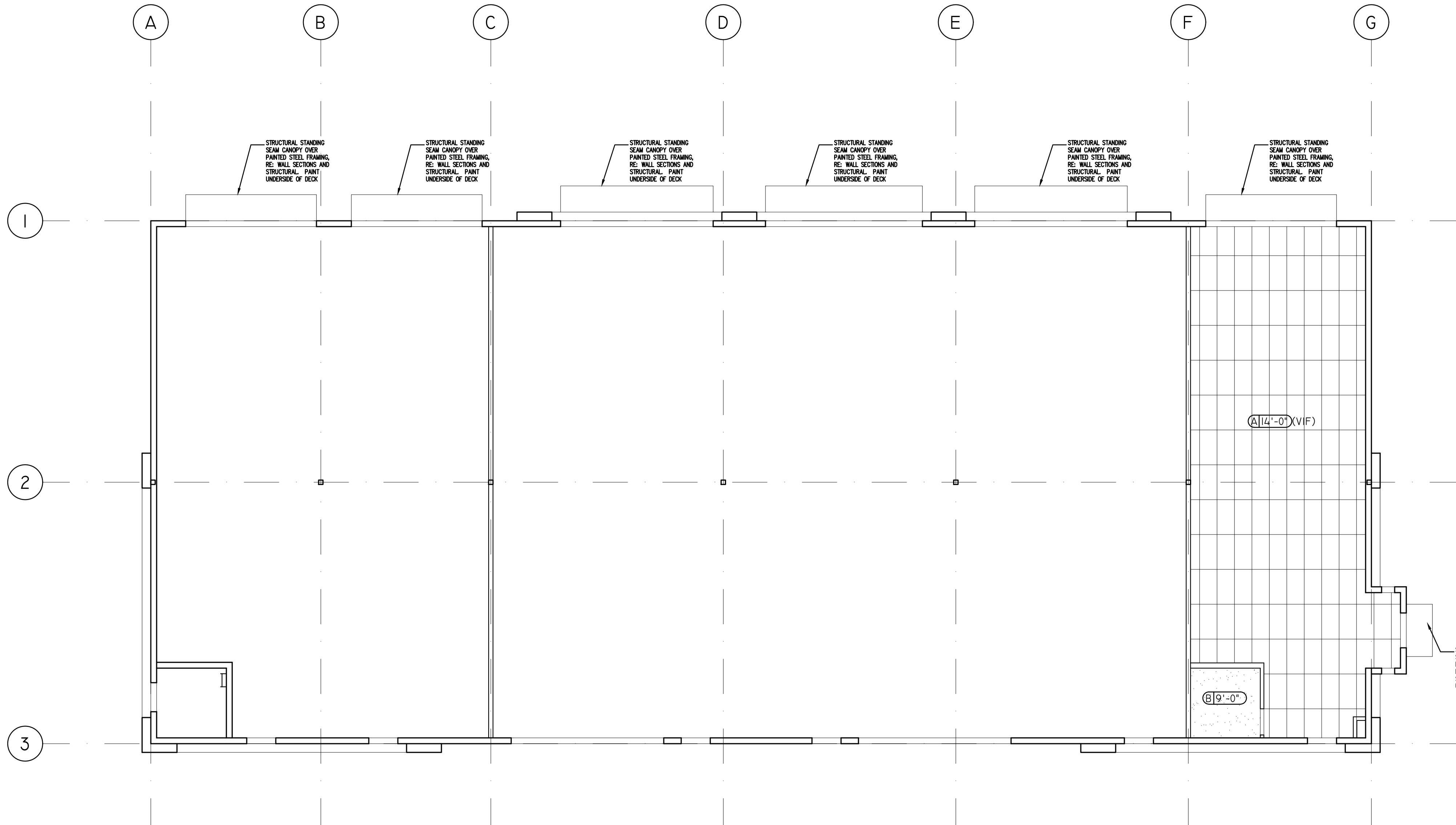
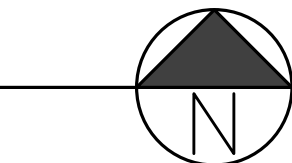
RCP LEGEND

CEILING FINISH — (A)(10'-0") — CEILING ELEVATION

A. ARMSTRONG ULTIMA HEALTH ZONE SUSPENDED 2X2 LAY-IN ACOUSTIC CEILING TILE AND GRID. SEE DETAILS 4 & 15 ON SHEET A7.2. USE VINYL FACED TILES IN FOOD PREP AREAS.

B. PAINTED SUSPENDED GYP. BOARD CEILING. SEE DETAILS 3 & 7 ON SHEET A7.2

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



design
SEQUENCE

350 SOUTH 200 EAST, #106
CITY, UTAH 84111
P: 801.596.0691
DESIGNUTAH.COM



RETAIL BUILDING
SANTAQUIN PAD C

SANTAQUIN, UTAH

MARK	DATE	DESCRIPTION

DATE: SEPTEMBER 11, 2020
AGENCY PROJECT NO:
DESIGN SEQUENCE PROJECT NO: 2010.01
CAD DWG FILE NO:

DRAWN BY: KV
DESIGNED BY: KV
DWG TYPE:
ARCHITECTURAL PHASE: PERMIT SET

SHEET TITLE

RC PLAN &
DETAILS
A7.2

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DX DRAWINGS 2020/20207 - Santiago Retail Space - v.20 rev. 8/24/2020 1:25:35 PM

SPECIAL INSPECTION SCHEDULE 1, 2					
ESTABLISHED PER 2018 IBC SECTION 110 AND CHAPTER 17					
ITEM	CONTINUOUS ¹	PERIODIC ³	REFERENCE		COMMENTS
PRE-FAB CONSTRUCTION (IBC 1704.2)			REFERENCE NOTES P1 & P2	P1.	SPECIAL INSPECTION IS NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION, PROVIDED THE FABRICATOR COMPLIES WITH IBC. INSPECTION FOR PREFABRICATED CONSTRUCTION SHALL BE THE SAME AS IF THE MATERIAL USED IN THE CONSTRUCTION TOOK PLACE ON SITE. SPECIAL INSPECTION WILL NOT BE REQUIRED DURING PREFABRICATION IF THE APPROVED AGENCY CERTIFIES THE CONSTRUCTION AND FURNISHES EVIDENCE OF COMPLIANCE. (SEE NOTE 2).
CONCRETE CONSTRUCTION (IBC 1705.3)			SEE IBC TABLE 1705.3 - REF. NOTE C1	C1.	SPECIAL INSPECTION IS NOT REQUIRED FOR CONC. ISOLATED SPREAD FOOTINGS, CONTINUOUS FOOTINGS, NON-STRUCTURAL SLABS, FOUNDATION WALLS, PATIOS, DRIVEWAYS, AND SIDEWALKS PROVIDED THE REQUIREMENTS OF IBC 1705.3 ARE MET.
REINFORCING STEEL PLACEMENT	●	●	REFERENCE NOTE C2	C2.	PERIODIC SPECIAL INSPECTION IS ALLOWED FOR VERIFICATION OF THE WELDABILITY OF REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR WELDING OF OTHER ASTM A 706 REINFORCING STEEL NOT INCLUDED IN THE CONTINUOUS SPECIAL INSPECTION REQUIREMENTS NOTED ABOVE.
WELDING OF REINFORCING STEEL	●	●	REFERENCE NOTE C3	C3.	PERFORM AIR, SLUMP AND TEMP. TESTS WHEN CONCRETE SAMPLES ARE CAST.
EMBEDDED BOLTS & PLATES	●	●		C4.	PERIODIC SPECIAL INSPECTION IS REQUIRED FOR VERIFICATION OF IN-SITU CONCRETE STRENGTH FOR POST-TENSIONED CONCRETE PRIOR TO TENSIONING TENDONS OR REMOVAL OF SHORING OR FORMS.
VERIFYING REQUIRED DESIGN MIX	●	●		C5.	EPOXY AND EXPANSION ANCHORS INTO MASONRY OR CONCRETE MAY BE USED ONLY WHEN APPROVED BY ARCHITECT, AND/OR ENGINEER USING AN APPROVED PRODUCT WITH CURRENT PUBLISHED ICC RESEARCH REPORT NUMBERS. COORDINATE CONTINUOUS/PERIODIC SPECIAL INSPECTION REQUIREMENTS WITH ICC REPORT.
CONCRETE PLACEMENT / SAMPLING	●	●			
CURING TEMPERATURE / TECHNIQUES	●	●			
PRESTRESSED CONCRETE	●	●			
APPLICATION OF PRESTRESSING FORCES	●	●	IN SEISMIC-FORCE-RESISTING SYSTEM		
ROUTING BONDED TENDONS	●	●			
ERECTION OF PRECAST MEMBERS	●	●	REFERENCE NOTE C4		
VERIFICATION OF IN-SITU STRENGTH	●	●	REFERENCE NOTE C5		
EPOXY / EXPANSION ANCHOR PLACEMENT	●	●			
WOOD (IBC 1705.5 & 1705.11.1 & 1705.12.2)				W1.	WOOD STRUCTURAL PANEL SHEATHING SHALL BE INSPECTED TO ASCERTAIN THAT GRADE AND THICKNESS ARE IN COMPLIANCE WITH APPROVED BUILDING PLANS. NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, THE NAIL OR STAPLE DIAMETER AND LENGTH, THE NUMBER OF FASTENER LINES, AND SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARKS SHALL ALSO BE INSPECTED AND VERIFIED FOR COMPLIANCE WITH APPROVED BUILDING PLANS.
SITE-BUILT ASSEMBLIES	●	●	REFERENCE NOTE W1	W2.	SPECIAL INSPECTION IS NOT REQUIRED FOR WOOD SHEAR WALLS, WOOD DIAPHRAGMS, INCLINED BRACING, A BOLTING, AND OTHER FASTENING TO OTHER COMPONENTS WHERE THE SPACING OF THE SHEATHING FASTENERS IS GREATER THAN 4" o.c.
SHEAR WALL & DIAPHRAGM NAILING	●	●	REFERENCE NOTE W2	W3.	SPECIAL INSPECTION SHALL BE PERFORMED TO VERIFY THAT THE INSTALLATION OF TEMPORARY AND PERMANENT RESTRAINT BRACING IS INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.
DRAG STRUTS	●	●			
BRACES & SHEAR PANELS	●	●			
HOLDOWNS	●	●			
GLUING OPERATIONS	●	●			
METAL-PLATE-CONNECTED WOOD TRUSSES WITH HEIGHTS GREATER THAN OR EQUAL TO 60"	●	●	REFERENCE NOTE W2		
METAL-PLATE-CONNECTED WOOD TRUSSES WITH SPANS GREATER THAN OR EQUAL TO 60 FEET	●	●	REFERENCE NOTE W3		
SOILS (IBC 1705.6)			REFERENCE NOTE F1	F1.	SPECIAL INSPECTION OF SOILS SHALL REFERENCE THE APPROVED SOILS REPORT TO DETERMINE COMPLIANCE.
VERIFY ADEQUATE MATERIALS BELOW FOOTINGS	●	●	REFERENCE NOTE F1	F2.	WHERE SOILS REPORT IS NOT PROVIDED SPECIAL INSPECTIONS ARE REQUIRED TO VERIFY THAT THE IN-PLACE DRY DENSITY OF THE COMPACTED FILL IS NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D 1557.
EXCAVATIONS EXTEND TO PROPER DEPTH AND REACH PROPER MATERIAL	●	●	REFERENCE NOTE F2		
CLASSIFY & TEST CONTROLLED FILL MATERIALS	●	●	REFERENCE NOTE F2		
PERFORM MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	●	●	REFERENCE NOTE F1		
PROPERLY PREPARED SITE AND SUB-GRADE PRIOR TO FILL	●	●	REFERENCE NOTE F1		
GENERAL SPECIAL INSPECTION NOTES :					
1.	THE ITEMS MARKED WITH A "●" IN THE SPECIAL INSPECTION SCHEDULE SHALL BE INSPECTED IN ACCORDANCE WITH IBC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS. REFER TO THE MATERIAL SAMPLING AND TESTING SECTION, THE PROJECT SPECIFICATIONS, AND THE SPECIFIC GENERAL NOTES SECTIONS. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ARCHITECT, ENGINEER, CONTRACTOR, AND BUILDING OFFICIAL. ANY ITEMS WHICH FAIL TO COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, ARCHITECT, AND ENGINEER PRIOR TO COMPLETION OF THAT PHASE OF WORK. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.				
2.	ANY CONSTRUCTION OR MATERIAL THAT HAS FAILED INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT.				
3.	CONTINUOUS SPECIAL INSPECTION MEANS THE FILL-THE-OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK (IBC SECTION 1702.2).				
3.	PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK (IBC SECTION 1702.2).				

COIL STRAP LAP SPLICE SCHEDULE				
ITEM #	LAP SPLICE			COMMENTS
	MIN. # FASTENER PER SPLICE	MIN. LAP SPLICE LENGTH		
		STACKED	SIDE-BY-SIDE	
CMST 12	25-10d	22"	33"	
	30-10d	27"	39"	
CMST 14	18-16d	16"	26"	
	21-10d	19"	30"	
CMSTC 16	13-16d	11"	20"	
	15-10d	12"	20"	
CS 14	26-10d	--	15"	
	30-8d	--	16"	
CS 16	20-10d	--	11"	
	22-8d	--	13"	
CS 18	16-10d	--	9"	
	18-8d	--	11"	
CS 20	12-10d	--	6"	
	14-8d	--	9"	
CS 22	10-10d	--	7"	
	12-8d	--	6"	

The image contains two technical diagrams of roof sheathing installation details, labeled 'SIDE-BY-SIDE LAP' and 'STACKED LAP'.

SIDE-BY-SIDE LAP: This diagram shows two sheets of roof sheathing placed side-by-side. Labels include:

- ROOF SHEATHING - SEE STRUCT. NOTES
- BOUNDARY NAILING
- SIMPSON STRAPS - SEE PLAN
- 3x10 x REQ'D BLOCKING BETWEEN TRUSS TOP CHORDS

STACKED LAP: This diagram shows two sheets of roof sheathing stacked on top of each other. Labels include:

- BOUNDARY NAILING
- PLYWOOD SHEATHING - SEE STRUCT. NOTES
- SIMPSON STRAP - SEE PLAN
- 3x6 x REQ'D BLOCKING

```

1  # 1. Import the modules
2  import pandas as pd
3  import numpy as np
4  import matplotlib.pyplot as plt
5  import seaborn as sns
6  import warnings
7  warnings.filterwarnings('ignore')
8  # 2. Load the data
9  data = pd.read_csv('data.csv')
10 # 3. Data cleaning
11 # 3.1 Check for missing values
12 data.isnull().sum()
13 # 3.2 Drop missing values
14 data = data.dropna()
15 # 3.3 Check for duplicate values
16 data.duplicated().sum()
17 # 3.4 Drop duplicate values
18 data = data.drop_duplicates()
19 # 4. Data exploration
20 # 4.1 Basic statistics
21 data.describe()
22 # 4.2 Distribution of variables
23 data.hist()
24 # 4.3 Correlation matrix
25 data.corr()
26 # 5. Feature engineering
27 # 5.1 Create new features
28 data['new_feature'] = data['feature1'] + data['feature2']
29 # 5.2 Encode categorical variables
30 data['feature3'] = data['feature3'].astype('category')
31 data['feature3'] = data['feature3'].cat.codes
32 # 6. Model training
33 # 6.1 Split the data
34 X = data[['feature1', 'feature2', 'feature3']]
35 y = data['target']
36 # 6.2 Train the model
37 from sklearn.linear_model import LinearRegression
38 model = LinearRegression()
39 model.fit(X, y)
40 # 6.3 Evaluate the model
41 from sklearn.metrics import r2_score
42 y_pred = model.predict(X)
43 r2_score(y, y_pred)

```

[illegible]

Figure 1 illustrates a 2D hexagonal lattice structure. A central atom is labeled '1' and is surrounded by six nearest neighbors labeled '2' through '7'. The distance between the central atom and its nearest neighbors is labeled 'a'. The lattice is shown as a portion of a larger, periodic structure.

[illegible][illegible][illegible]

SCHEDULES

S002

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STRUCTURAL STEEL SPECIAL INSPECTION SCHEDULE																							
ESTABLISHED PER 2018 IBC SECTION 1705.2.1																							
INSPECTION TASKS PRIOR TO WELDING (TABLE N5.4-1)			FABRICATOR QUALITY CONTROL		SPECIAL INSPECTOR QUALITY ASSURANCE		NOTES			INSPECTION TASKS PRIOR TO BOLTING (TABLE N5.6-1)			CONTINUOUS		PERIODIC		CONTINUOUS		PERIODIC		NOTES		
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS			●							MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS			●		●				1. PERIODIC - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.				
WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE			●							FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS			●		●				2. CONTINUOUS - PERFORM THESE TASKS FOR EACH BOLTED CONNECTION.				
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE			●							PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)			●		●				3. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR AND ERECTOR.				
MATERIAL IDENTIFICATION (TYPE / GRADE)			●							PROPER BOLTING PROCEDURES SELECTED FOR JOINT DETAIL			●		●				4. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHERS WHEN REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AHJ). APPLICABLE BUILDING CODE (ABC), PURCHASER, OWNER, OR ENGINEER OF RECORD (EOR), NONDESTRUCTIVE TESTING (NDT) SHALL BE PERFORMED BY THE AGENCY OR FIRM RESPONSIBLE FOR QUALITY ASSURANCE, EXCEPT AS PERMITTED IN ACCORDANCE WITH SECTION N7.				
WELDER IDENTIFICATION SYSTEM ¹			●							CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS			●		●				5. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICATION TESTING AS SPECIFIED IN TABLE N5.6-1 AND MONITORING OF THE INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5.6-2 ARE NOT APPLICABLE. THE QCJ AND QAI NEED NOT BE PRESENT DURING THE INSTALLATION OF FASTENERS IN SNUG-TIGHT JOINTS.				
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)			●							PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED			●		●				6. FOR PRETENSIONED JOINTS AND SUIP-CRITICAL JOINTS, WHEN THE INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION INDICATOR METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROL BOLT METHOD, MONITORING OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCJ AND QAI NEED NOT BE PRESENT DURING THE INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLER.				
* JOINT PREPARATION										PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS			●		●				7. FOR PRETENSIONED JOINTS AND SUIP-CRITICAL JOINTS, WHEN THE INSTALLER IS USING THE CALIBRATED WRENCH METHOD OR THE TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MONITORING OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCJ AND QAI SHALL BE ENGAGED IN THEIR ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLER.				
* DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)										FASTENER ASSEMBLIES, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED			●		●				8. OBSERVATION OF BOLTING OPERATIONS SHALL BE THE PRIMARY METHOD USED TO CONFIRM THAT THE MATERIALS, PROCEDURES AND WORKMANSHIP ARE IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.				
* CLEANLINESS (CONDITION OF STEEL SURFACES)										JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION			●		●				9. FOR STRUCTURAL STEEL, ALL PROVISIONS OF AWS D1.1 / D1.1M STRUCTURAL WELDING CODE - STEEL FOR STATICALLY LOADED STRUCTURES SHALL APPLY.				
* TACKING (TACK WELD QUALITY AND LOCATION)										FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING			●		●				10. THERMALLY CUT SURFACES OF ACCESS HOLES SHALL BE TESTED BY QA USING MT OR PT, WHEN THE FLANGE THICKNESS EXCEEDS 2 IN. (50mm) FOR ROLLED SHAPES, OR WHEN THE WEB THICKNESS EXCEEDS 2 IN. (50mm) FOR BUILT-UP SHAPES. ANY CRACK SHALL BE DEEMED UNACCEPTABLE REGARDLESS OF SIZE OR LOCATION. WHEN REQUIRED BY APPENDIX 3, TABLE A-3.1, WELDED JOINTS REQUIRING WELD SOUNDNESS TO BE ESTABLISHED BY RADIOGRAPHIC OR ULTRASONIC INSPECTION SHALL BE TESTED BY QA AS PRESCRIBED. REDUCTION IN THE RATE OF UT IS PROHIBITED.				
* BACKING TYPE AND FIT (IF APPLICABLE)										FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES			●		●				11. REDUCTION OF RATE OF ULTRASONIC TESTING - THE RATE OF UT IS ONLY PERMITTED TO BE REDUCED IF APPROVED BY THE EOR AND THE AHJ PER AISC 360-16 CHAPTER N5.5e.				
FIT-UP OF CJP GROOVE WELDS OFHSS T-, Y-, AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY)																			12. FOR STRUCTURES IN RISK CATEGORY II, WHERE THE INITIAL RATE FOR UT IS 10%, THE NDT RATE FOR AN INDIVIDUAL WELDER OR WELDING OPERATOR SHALL BE INCREASED TO 100% SHOULD THE REJECT RATE, THE NUMBER OF WELDS CONTAINING UNACCEPTABLE DEFECTS DIVIDED BY THE NUMBER OF WELDS COMPLETED, EXCEEDS 5% OF THE WELDS TESTED FOR THE WELDER OR WELDING OPERATOR. A SAMPLING OF AT LEAST 20 COMPLETED WELDS FOR A JOB SHALL BE MADE PRIOR TO IMPLEMENTING SUCH AN INCREASE. WHEN THE REJECT RATE FOR THE WELDER OR WELDING OPERATOR, AFTER A SAMPLING OF AT LEAST 40 COMPLETED WELDS, HAS FALLEN TO 5% OR LESS, THE RATE OF UT SHALL BE RETURNED TO 10%. FOR EVALUATING THE REJECT RATE OF CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WHERE THE EFFECTIVE THROAT IS 1 IN. (25mm) OR LESS, EACH 12 IN. (300mm) INCREMENT OR FRACTION THEREOF SHALL BE CONSIDERED AS ONE WELD. FOR EVALUATING THE REJECT RATE ON CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WHERE THE EFFECTIVE THROAT IS GREATER THAN 1 IN. (25mm), EACH 6 IN. (150mm) OF LENGTH OR FRACTION THEREOF SHALL BE CONSIDERED AS ONE WELD.				
* JOINT PREPARATIONS			●							DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS			●		●				13. ALL NDT PERFORMED SHALL BE DOCUMENTED. FOR SHOP FABRICATION, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY PIECE MARK AND LOCATION IN THE PIECE. FOR FIELD WORK, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY LOCATION IN THE STRUCTURE, PIECE MARK, AND LOCATION IN THE PIECE. WHEN A WELD IS REJECTED ON THE BASIS OF NDT, THE NDT RECORD SHALL INDICATE THE LOCATION OF THE DEFECT AND THE BASIS OF REJECTION.				
* DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)																			14. DEMAND CRITICAL WELDS SHALL MEET THE PROVISION FOUND IN AISC 341-16 AND WELDING METHODS, PROCEDURES AND QUALITY CONTROL SHALL COMPLY WITH AWS D1.1 AND THE FOLLOWING:				
* CLEANLINESS (CONDITION OF STEEL SURFACES)																			a. ARC STRIKES, GOUGES AND OTHER IMPERFECTIONS WITHIN OR ADJACENT TO THE JOINT, SHALL BE REPAIRED OR REMOVED.				
* TACKING (TACK WELD QUALITY AND LOCATION)																			b. PREHEAT AND INTER-PASS REQUIREMENTS AS OUTLINED IN SECTION 3.5.				
CONFIGURATION AND FINISH OF ACCESS HOLES					●														c. UNPAIRED CRACKS, GOUGES, AND NOTCHES WILL NOT BE PERMITTED IN THE JOINT AREA.				
FIT-UP OF FILLET WELDS																			d. USE ELECTRODES WITH CHARPY V-NOTCH ABSORBED ENERGY EQUAL TO OR GREATER THAN 20 FT-LBS AT 20 DEGREES FAHRENHEIT UNDER AWS AS CLASSIFICATION TEST METHODS, AND 40 FT-LBS AT 70 DEGREES FAHRENHEIT UNDER AWS AS CLASSIFICATION TEST METHODS, AND 40 FT-LBS AT 70 DEGREES FAHRENHEIT UNDER AWS AS CLASSIFICATION TEST METHODS PRESCRIBED IN APPENDIX X OF AISC 358.				
* DIMENSIONS (ALIGNMENT, GAPS AT ROOT)					●														ACCEPTABLE ELECTRODES INCLUDE E70T-GK2, E71 T-1.				
* CLEANLINESS (CONDITION OF STEEL SURFACES)																							
* TACKING (TACK WELD QUALITY AND LOCATION)																							
CHECK WELDING EQUIPMENT					●																		
¹ THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.																							
INSPECTION TASKS DURING WELDING (TABLE N5.4-2)			CONTINUOUS		PERIODIC		CONTINUOUS		PERIODIC														
CONTROL AND HANDLING OF WELDING CONSUMABLES																							
* PACKAGING					●																		
* EXPOSURE CONTROL																							
NO WELDING OVER CRACKED TACK WELDS					●																		
ENVIRONMENTAL CONDITIONS																							
* WIND SPEED WITHIN LIMITS					●																		
* PRECIPITATION AND TEMPERATURE																							
WPS FOLLOWED																							
* SETTINGS ON WELDING EQUIPMENT																							
* TRAVEL SPEED																							
* SELECTED WELDING MATERIALS					●																		
* SHIELDING GAS TYPE / FLOW RATE																							
* PREHEAT APPLIED																							
* INTERPASS TEMPERATURE MAINTAINED (MIN. / MAX)																							
* PROPER POSITION (F, V, H, OH)																							
WELDING TECHNIQUES																							
* INTERPASS AND FINAL CLEANING					●																		
* EACH PASS WITHIN PROFILE LIMITATIONS																							
* EACH PASS MEETS QUALITY REQUIREMENTS																							
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS			●																				
INSPECTION TASKS AFTER WELDING (TABLE N5.4-3)			CONTINUOUS		PERIODIC		CONTINUOUS		PERIODIC														
WELDS CLEANED					●																		
SIZE, LENGTH AND LOCATION OF WELDS			●																				
WELDS MEET VISUAL ACCEPTANCE CRITERIA																							
* CRACK PROHIBITION																							
* WELD / BASE-METAL FUSION																							
* CRATER CROSS SECTION																							
* WELD PROFILES			●																				
* WELD SIZE																							
* UNDERCUT																							
* POROSITY																							
ARC STRIKES			●																				
K-AREA ¹			●																				
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES ²			●																				
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)			●																				
REPAIR ACTIVITIES			●																				
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER			●																				
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR			●																				
¹ WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75mm) OF THE WELD).																							
² IF ROLLED HEAVY SHAPES (SEE SECTION A3.1a) AND BUILT-UP HEAVY SHAPES (SEE SECTION A3.1a) ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.																							

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WOOD BEARING WALL SCHEDULE		
CALLOUT	STUD SIZE	SPACING
WB-1	2x6 DF-#2	16"
WB-2	1 3/4" x 5 1/2" LSL	16"

NOTES:
1. UNLESS NOTED OTHERWISE, USE WB-1 WHERE NOT CALLED OUT ON PLAN.
2. SEE STRUCTURAL NOTES L 1.c FOR ADDITIONAL MATERIAL PROPERTIES.

FOOTING & FOUNDATION NOTES:

- SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.
- ALL FOOTINGS SHALL BE PLACED ON SOIL WHICH HAS BEEN PREPARED FOR THE BEARING PRESSURE SHOWN IN THE STRUCTURAL NOTES.
- VERIFY ALL DIMENSIONS WITH DRAWINGS AND NOTIFY ENGINEER OF ANY DISCREPANCIES FOUND.
- SEE SHEET S002 FOR FOOTING SCHEDULE.
- PROVIDE DOWELS IN FOOTINGS / FOUNDATIONS TO MATCH VERTICAL WALL REINFORCING U.N.O.
- SEE SHEET S201 FOR TYPICAL FOOTING AND FOUNDATION DETAILS.
- ALL EXTERIOR WALL FOOTINGS TO BEAR A MINIMUM DIMENSION BELOW EXTERIOR GRADE AS NOTED IN GENERAL STRUCTURAL NOTES.
- FOUNDATION WALLS ARE DESIGNED AND DETAILED FOR THE COMPLETED CONDITION. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. BACKFILLED WALLS SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION AND BACKFILLING TO PRODUCE PLUMB AND TRUE FINISHED WALLS.
- ALL ANCHORS, HOLD-DOWNS, ANCHOR BOLTS, DOWELS, EMBEDDED ITEMS, ETC. SHALL BE HELD IN PLACE PRIOR TO AND DURING CONCRETE AND/OR GROUT PLACEMENT.
- COORDINATE ALL FOOTING DEPTHS (INTERIOR AND EXTERIOR) WITH DRAINS, CONDUITS, ETC. THAT MAY INTERFERE WITH FOOTINGS.
- FOUNDATION WALLS SHALL BE 10" THICK U.N.O.
- INDICATES HOLD-DOWN WITH (2) 2x STUDS. SEE DETAIL 4 AND 5/S202 FOR MORE INFORMATION.

CONCRETE SLAB NOTES:

- SLAB ON GRADE SHALL BE 4" THICK CONCRETE U.N.O. SLAB SHALL BE UNDERLAIN BY FREE DRAINING MATERIAL.
- SEE DETAIL 1/S201 FOR CONTROL AND CONSTRUCTION JOINT INFORMATION.

WOOD ROOF FRAMING NOTES:

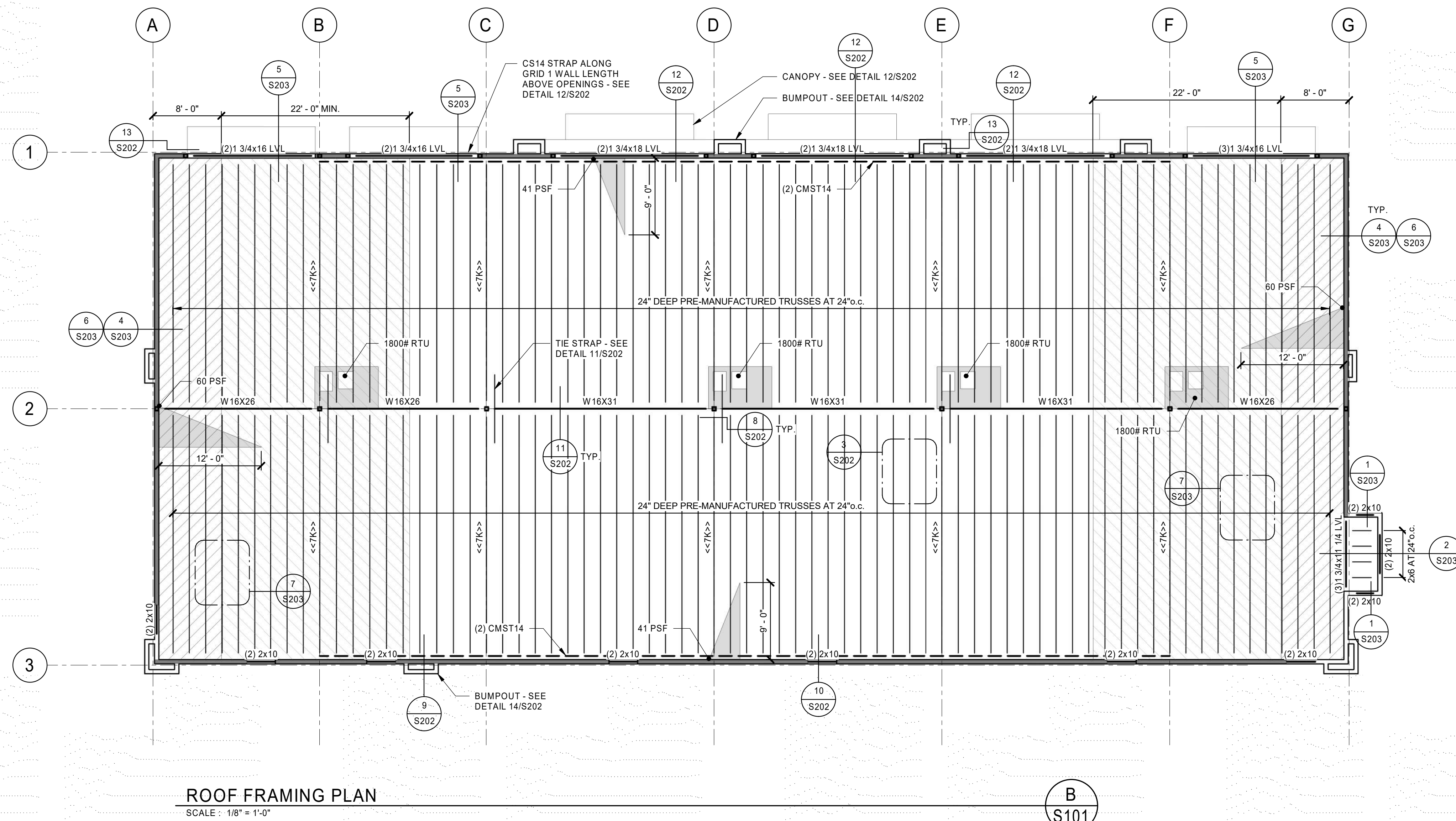
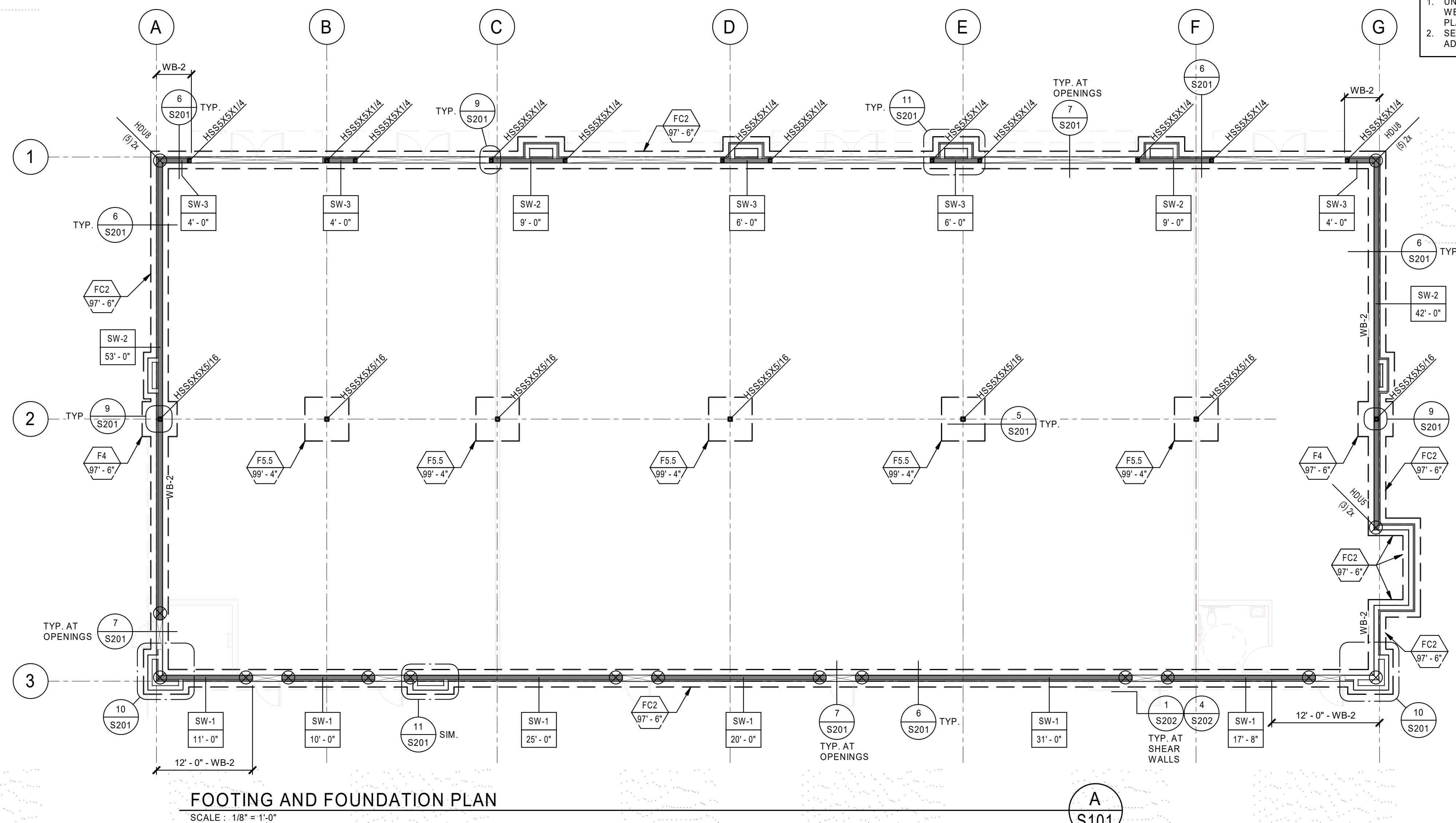
- FOR ROOF SHEATHING AND NAILING REQUIREMENTS, SEE STRUCTURAL NOTES SHEET S001.
- SHEAR WALLS ARE INDICATED ON A/S101. SEE THE SHEAR WALL SCHEDULE ON SHEET S003.
- SEE WOOD FRAMING NOTES ON SHEET S001 FOR WALL TOP PLATE CONFIGURATION AND SPLICE REQUIREMENTS.
- SEE PREMANUFACTURED TRUSS NOTES FOR ADDITIONAL INFORMATION.
- INDICATES BOUNDARY AND EDGE NAILING OF 6"x.c. WITH BLOCKING AT PANEL EDGES. SEE DETAIL 7/S203.
- INDICATES BOUNDARY AND EDGE NAILING OF 6"x.c. WITH BLOCKING AT PANEL EDGES. SEE DETAIL 7/S203.
- WHERE STRAPS ARE SHOWN ON ROOF AND REQUIRE A SPLICE, FOLLOW SCHEDULE ON SHEET S002.
- SEE DETAIL 2/S202 FOR TYPICAL WALL OPENING FRAMING.

PRE-MANUFACTURED TRUSS NOTES:

- PRE-MANUFACTURED TRUSSES SHALL BE DESIGNED PER ALL APPLICABLE LOAD COMBINATIONS AND LOAD CONFIGURATIONS AS REQUIRED BY THE GOVERNING CODE AND THE GENERAL STRUCTURAL NOTES:

THE FOLLOWING CRITERIA SHALL BE USED IN DESIGN.

- | | | |
|------------|---|--|
| SNOW LOAD | = | PER GENERAL STRUCTURAL NOTES |
| LIVE LOAD | = | PER GENERAL STRUCTURAL NOTES |
| DEAD LOAD | = | 15 PSF TOP CHORD |
| | = | 5 PSF BOTTOM CHORD |
| WIND LOAD | = | PER GENERAL STRUCTURAL NOTES |
| SNOW DRIFT | = | AS DETERMINED BY THE TRUSS MANUFACTURER OR SHOWN ON PLANS. |
- CONSIDER BALANCED, UNBALANCED AND DRIFT LOCATIONS
- ALL TRUSSES SHALL BE DESIGNED FOR A 150 POUND POINT LOAD APPLIED AT ANY LOCATION ALONG THE BOTTOM CHORD. DESIGN ALL TRUSSES FOR WIND UPLIFT PER THE GOVERNING CODE WITH A 15 PSF DEAD LOAD.
 - ALL TRUSS TO TRUSS CONNECTIONS PROVIDED BY TRUSS MANUFACTURER.
 - TRUSS MANUFACTURER SHALL COORDINATE AND INCLUDE ALL ADD LOADS AS INDICATED ON THE FRAMING PLAN.
 - COORDINATE DUCT RUNS AND TRUSS WEB CONFIGURATIONS WITH MECHANICAL & ARCH. DRAWINGS. DO NOT FIELD MODIFY TRUSSES TO ACCOMMODATE DUCTING AND OTHER MISCELLANEOUS EQUIPMENT WITHOUT WRITTEN DIRECTION FROM THE TRUSS MANUFACTURER OR STRUCTURAL ENGINEER.
 - COORDINATE ALLOWABLE TRUSS DEFLECTIONS WITH ARCHITECT FOR DETAILING OF NON-BEARING STUD WALLS BELOW.
 - DESIGN DRAG TRUSSES FOR ASD LEVEL DRAG LOADS SHOWN ON THE PLANS.
 - CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND CALCULATIONS FOR REVIEW AS REQUIRED BY THE DEFERRED SUBMITTAL SECTION OF THE GENERAL STRUCTURAL NOTES.
 - <<###> INDICATES ASD TOP CHORD AXIAL LOAD AS WORST CASE OF WIND OR SEISMIC LOADS.
 - RTU LOADS ARE IN ADDITION TO TYPICAL LOADS AND SNOW DRIFT SHOWN.
 - SEE DETAILS 10 AND 12/S202 AND 6/S203 FOR ASD WIND PARAPET LOADS ON TRUSSES.
 - TRUSSES SHALL ALIGN ON GRIDS AND EQUALLY SPACED BETWEEN.



SANTAQUIN SHOPS

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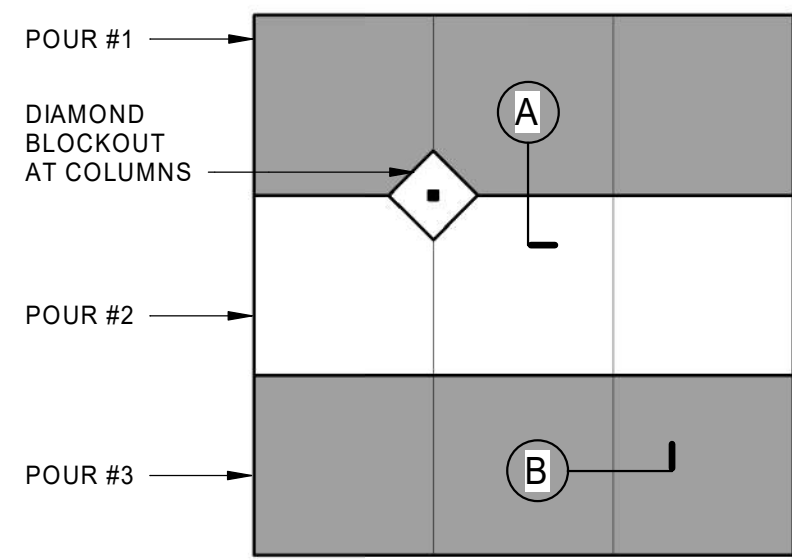
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ARW PROJECT NO: 20207
DESIGN SEQUENCE PROJECT NO: 1904.01
CAD DWG FILE NO:DRAWN BY: Z. Thorner
DESIGNED BY: A. Higgs
DWG TYPE:
PROJECT PHASE:

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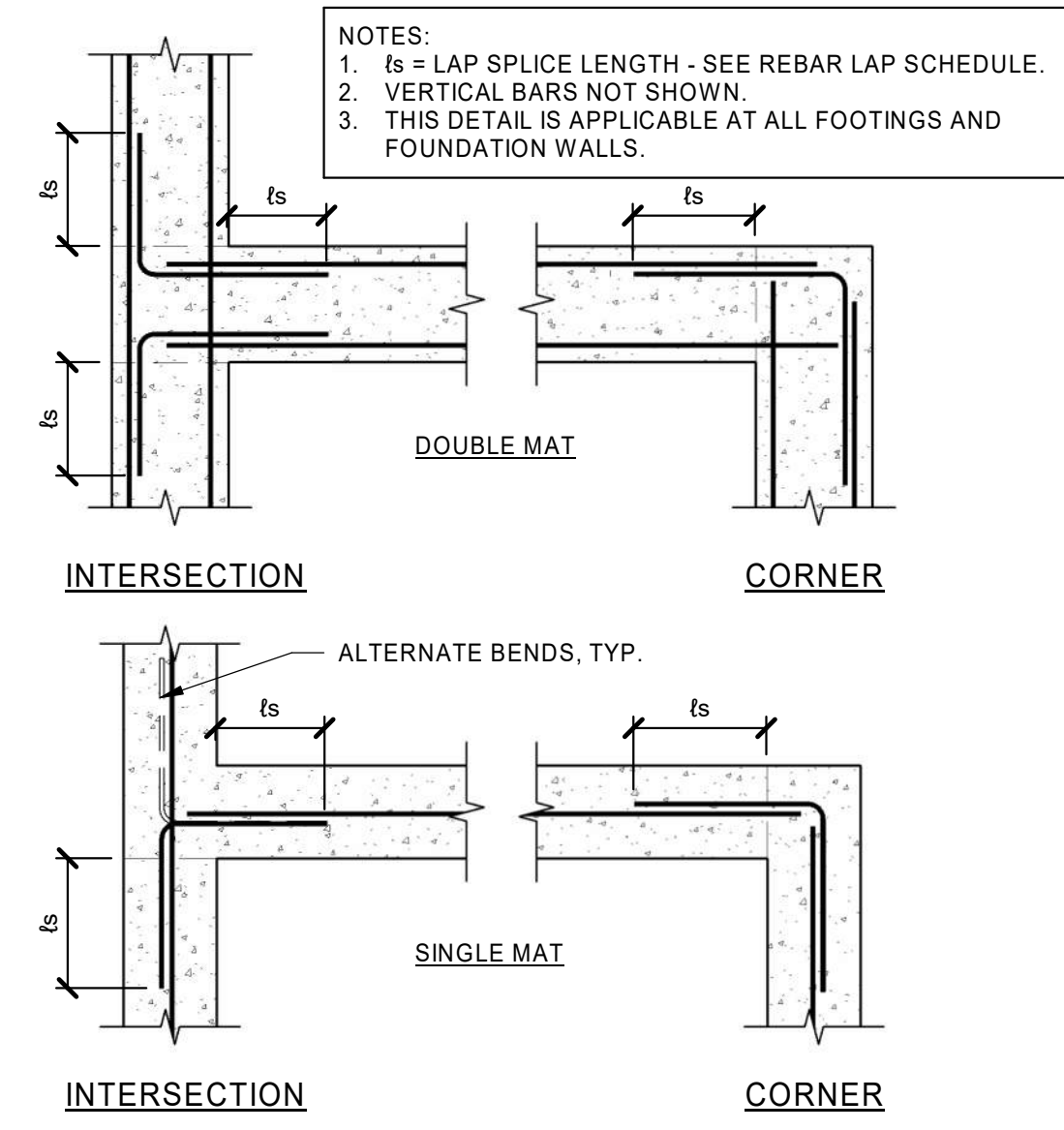
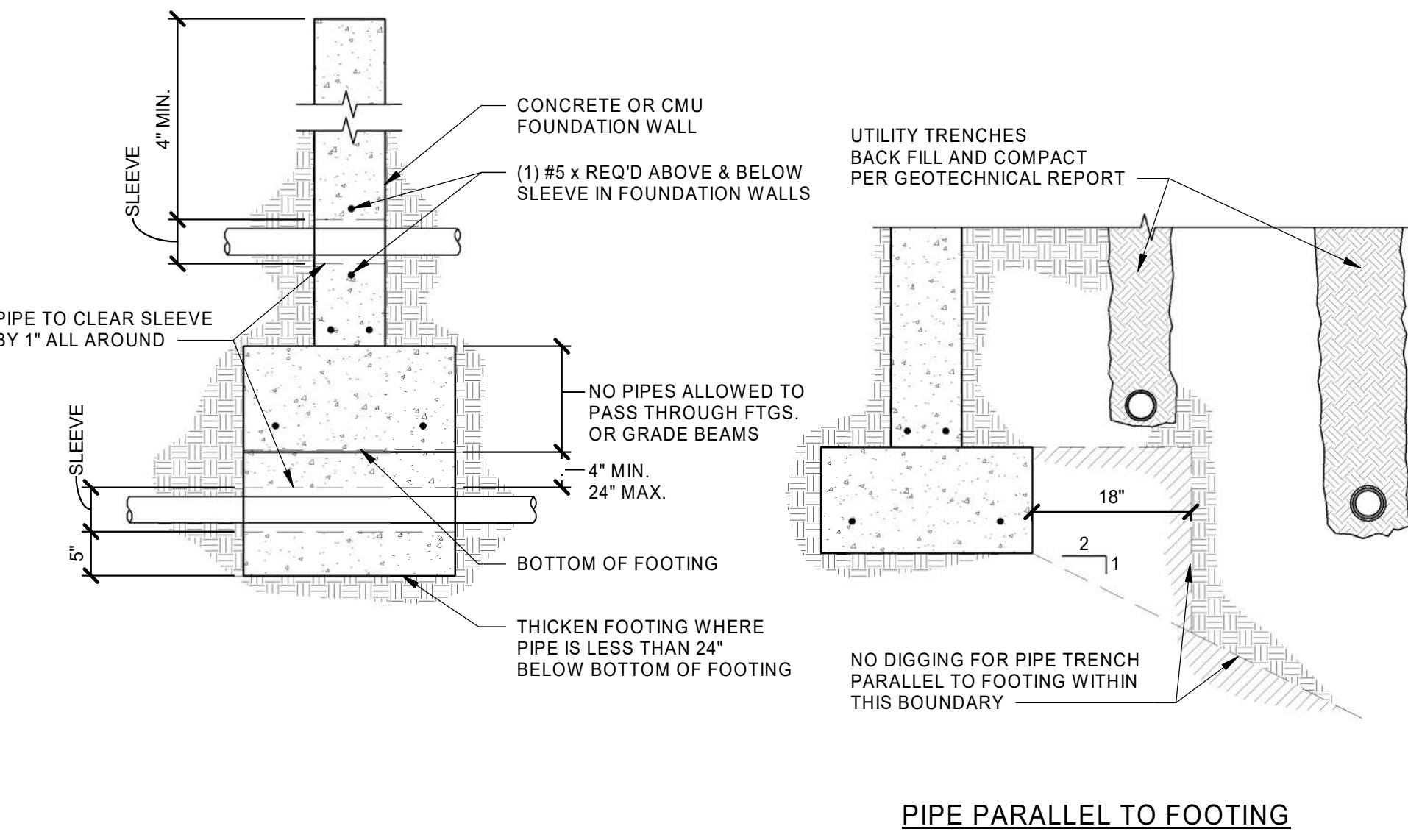
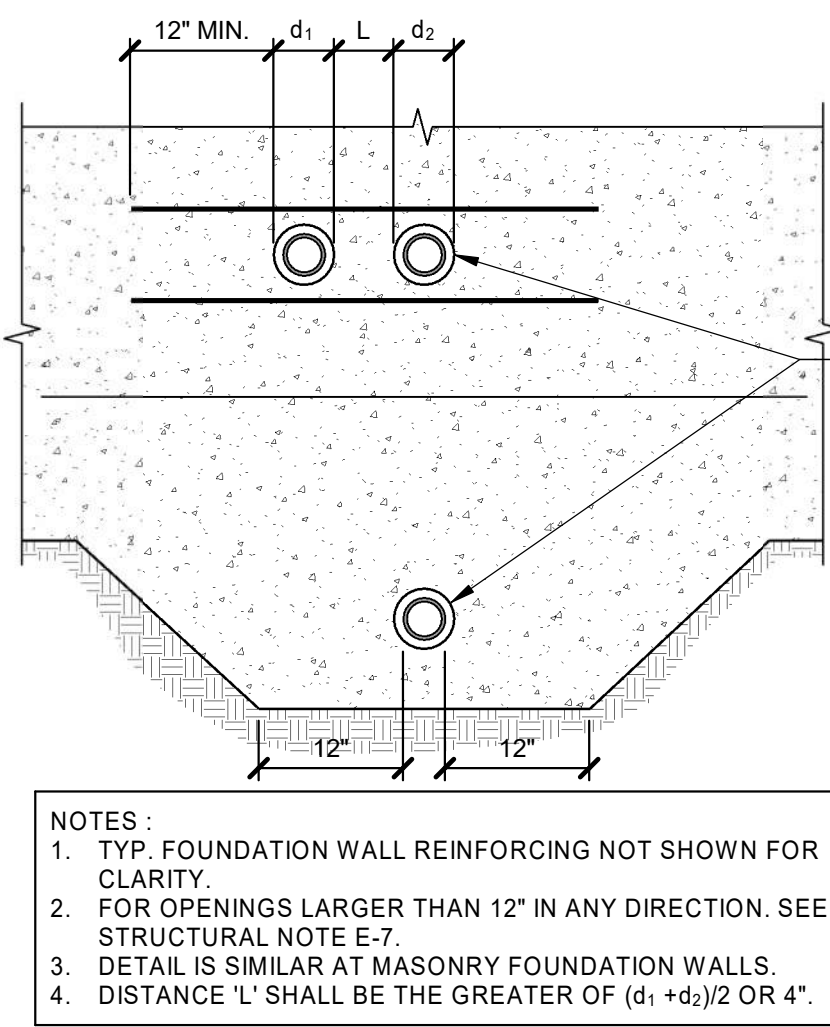
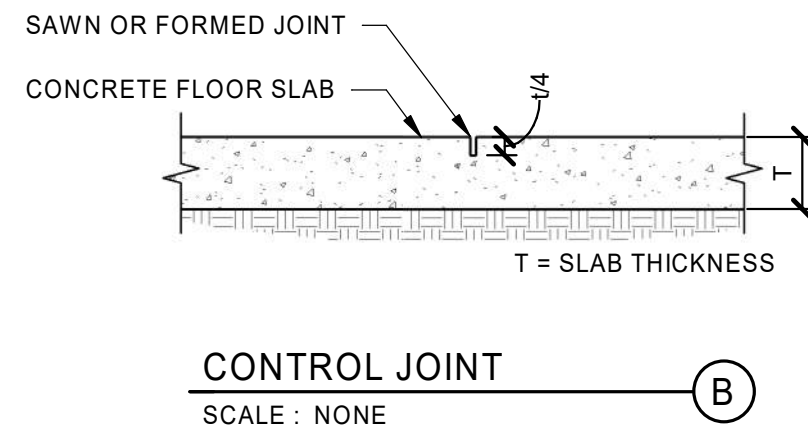
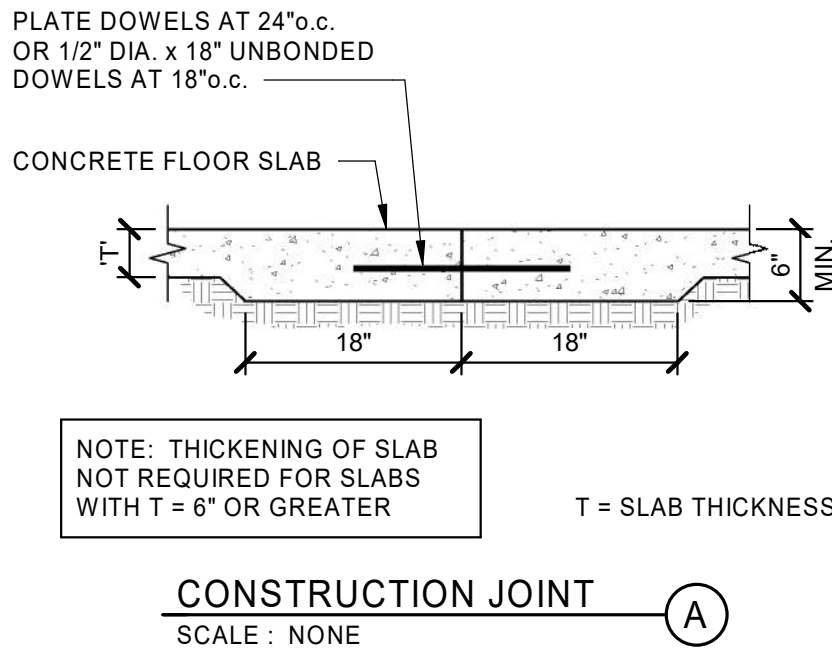
SHEET TITLE

STRUCTURAL
PLANS

S101



- NOTES:
- JOINTS SHALL OCCUR AT MAIN COLUMN / GRID LINES W/ 10'-0" MAX. SPACING BETWEEN JOINTS AT 4" SLABS; 12'-0" MAX. AT 5" SLABS, AND 15'-0" MAX. AT 6" SLABS.
 - SEE PLAN FOR SLAB THICKNESS 'T' AND REINFORCING SIZE AND SPACING.



TYPICAL CONCRETE SLAB JOINTS
SCALE: NONE

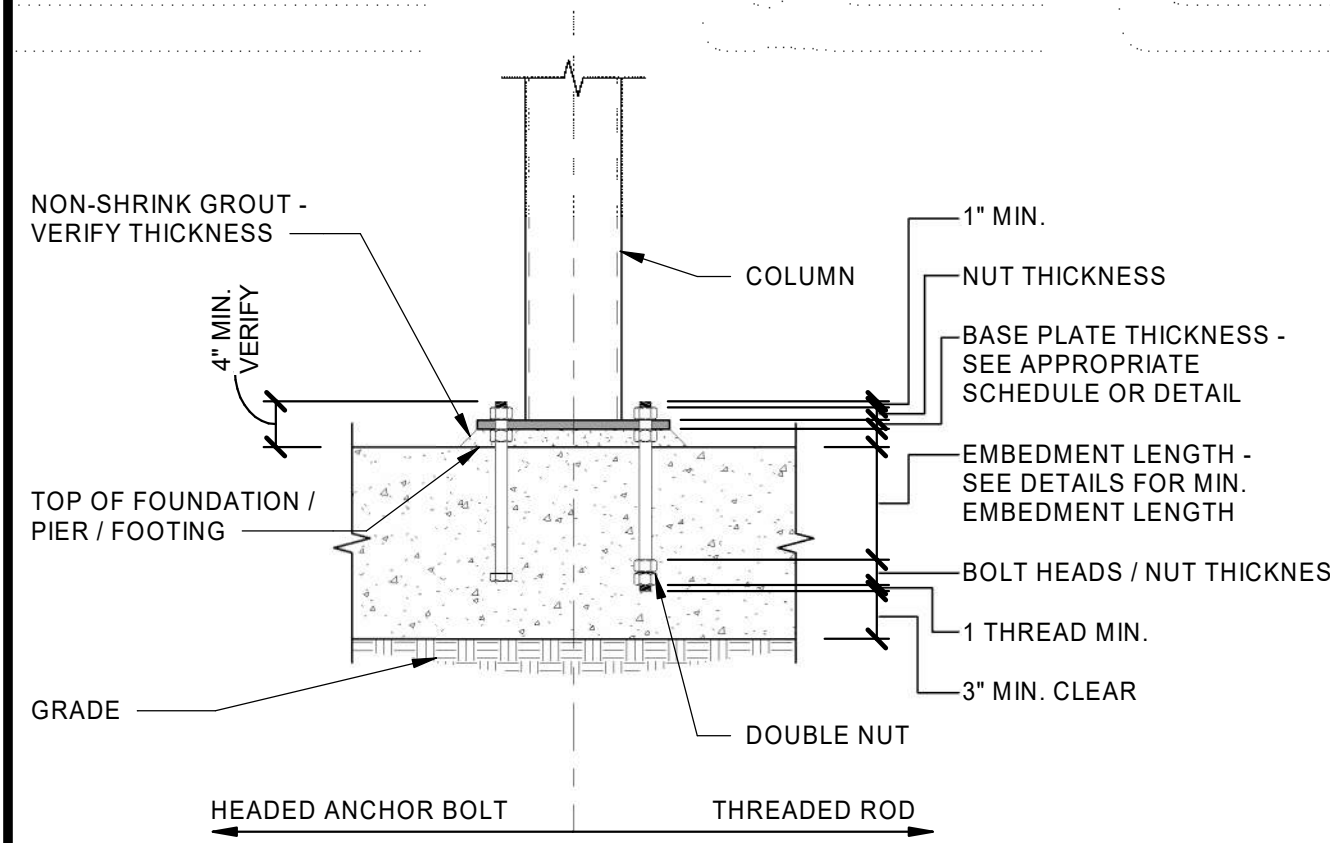
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S201

ALLOWABLE PIPING LOCATIONS @ FOOTING DETAIL
SCALE: NONE

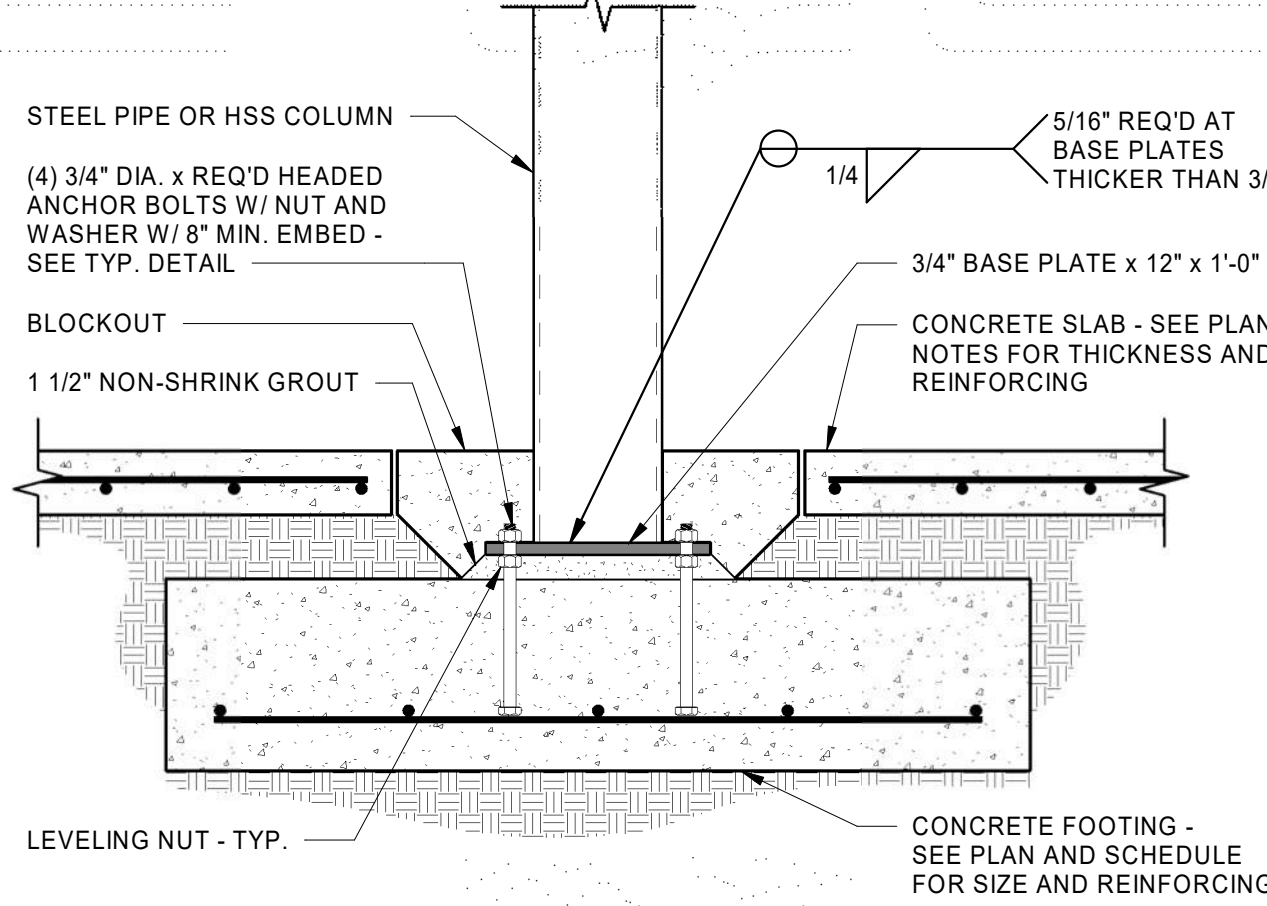
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S201

TYP. REINF. @ INTERSECTIONS IN CONC.
DETAIL
SCALE: NONE

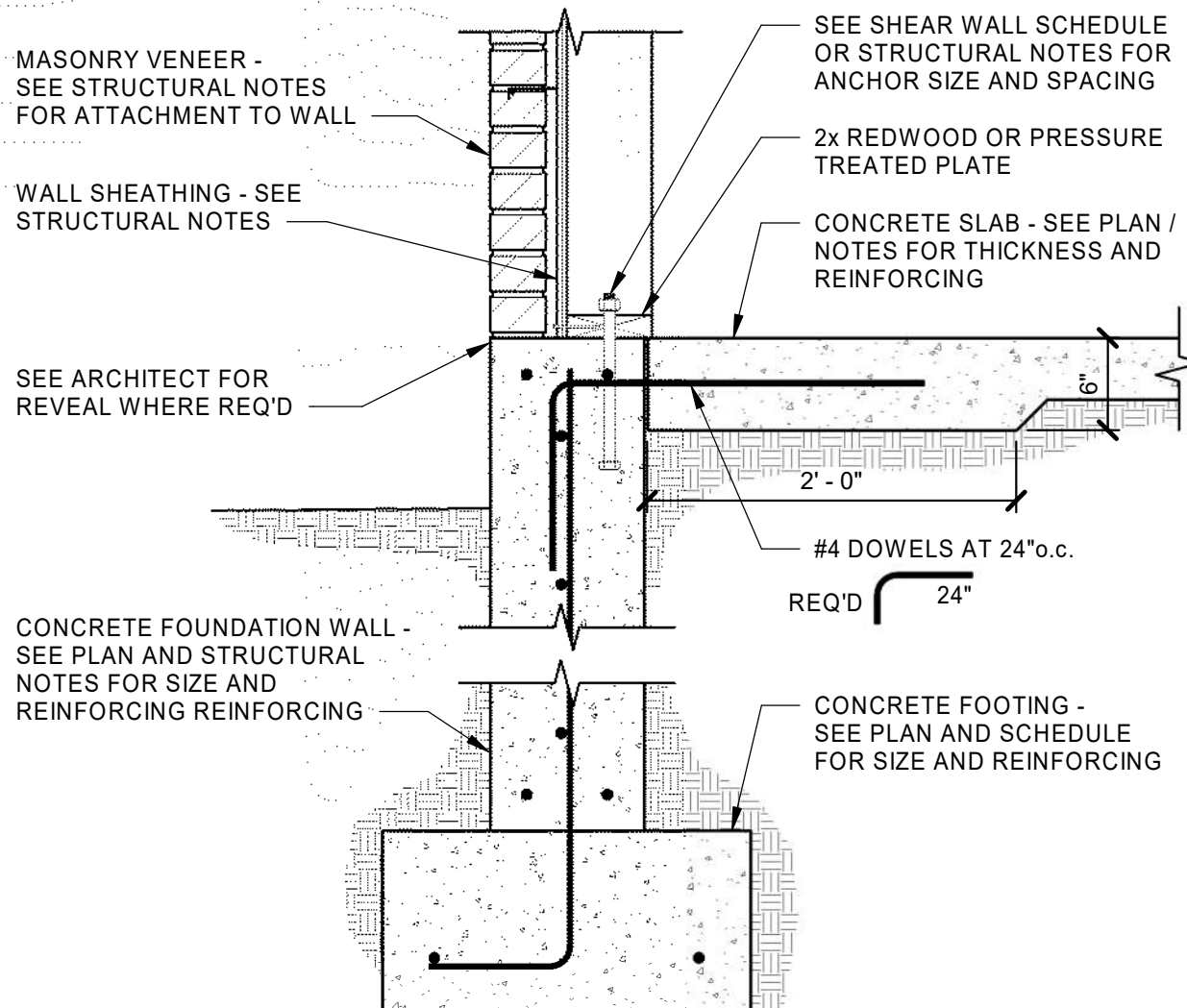
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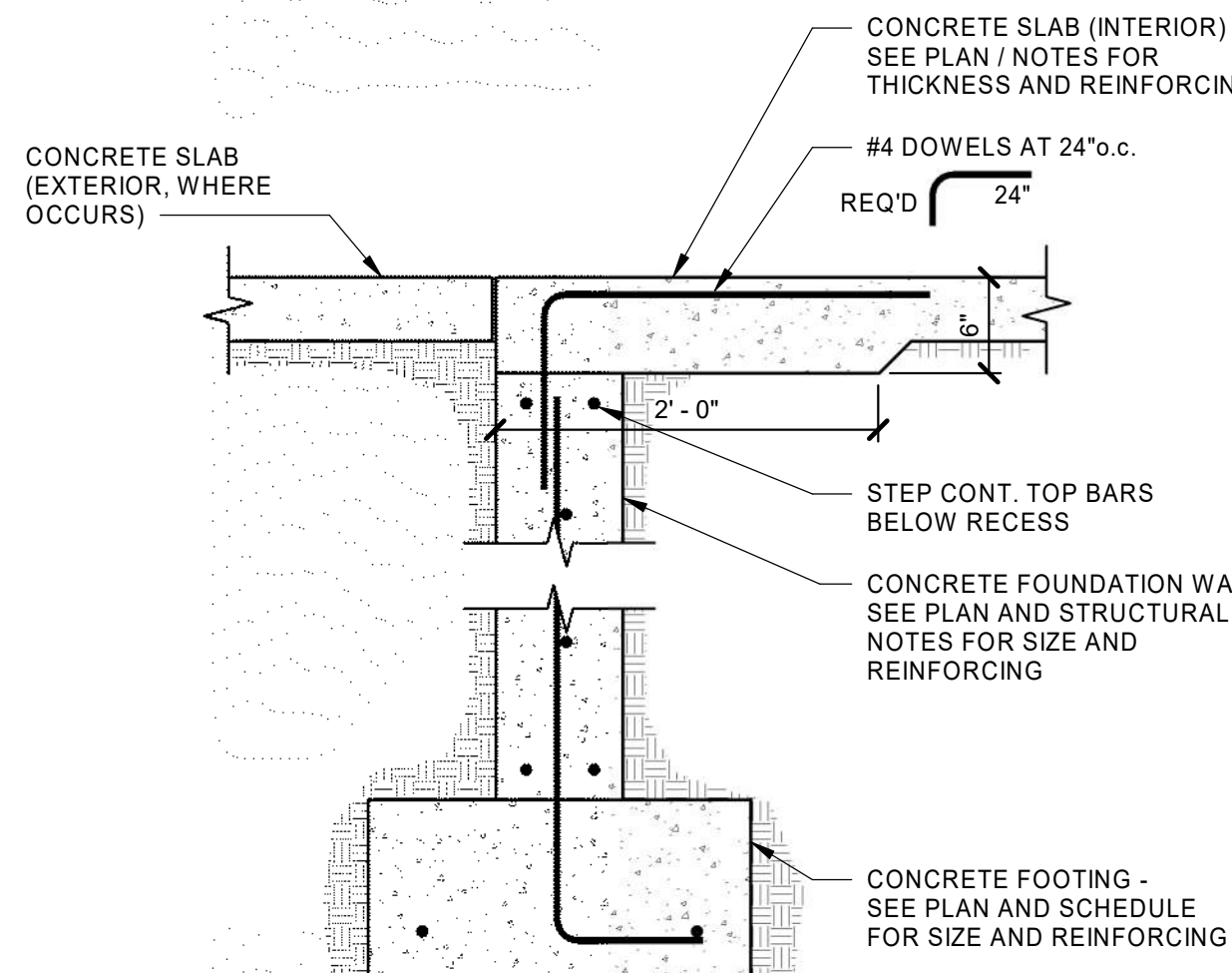
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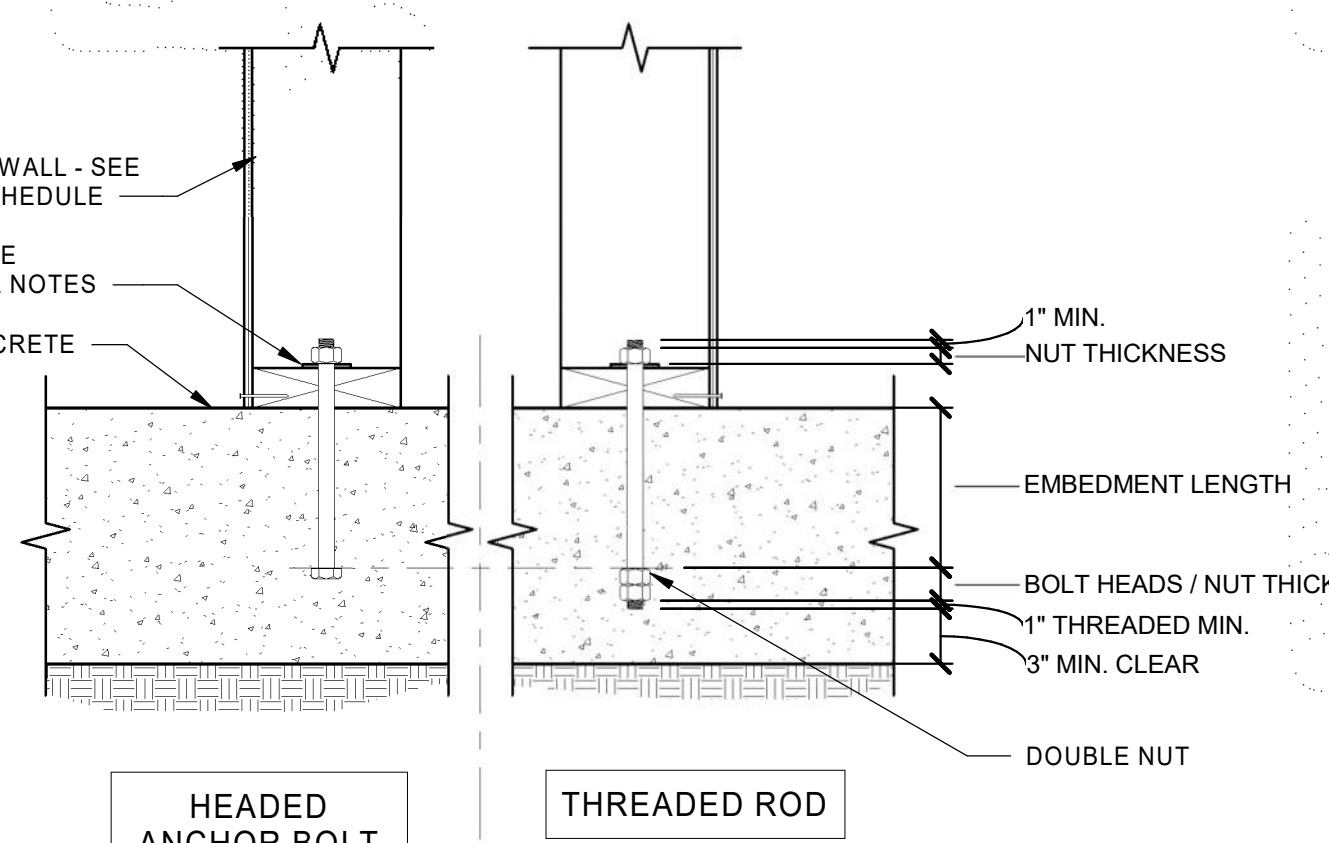
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6
S201



7
S201



8
S201

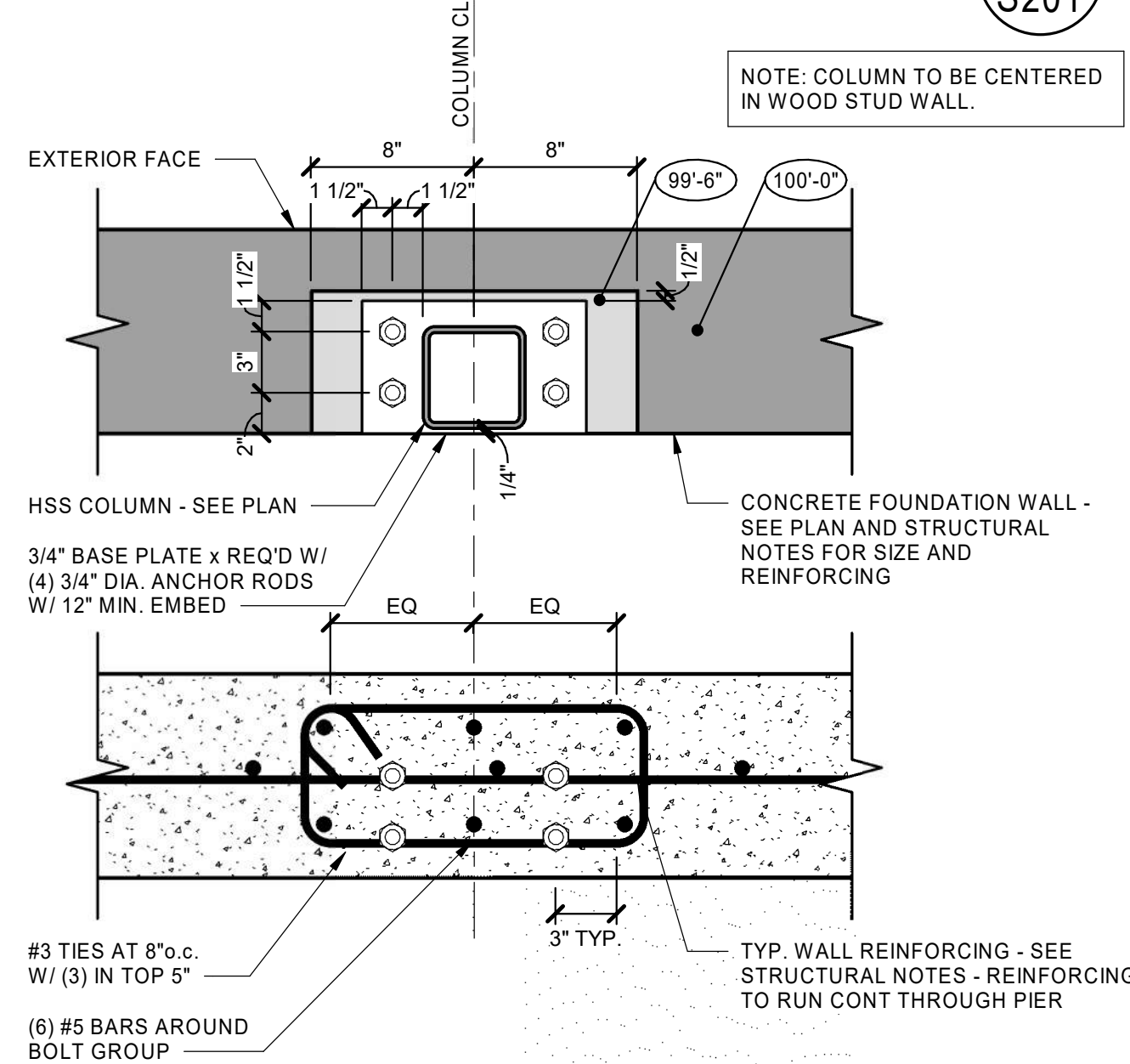
TYPICAL ANCHOR BOLT EMBEDMENT
DETAIL
SCALE: NONE

COLUMN TO SPOT FOOTING
SCALE: NONE

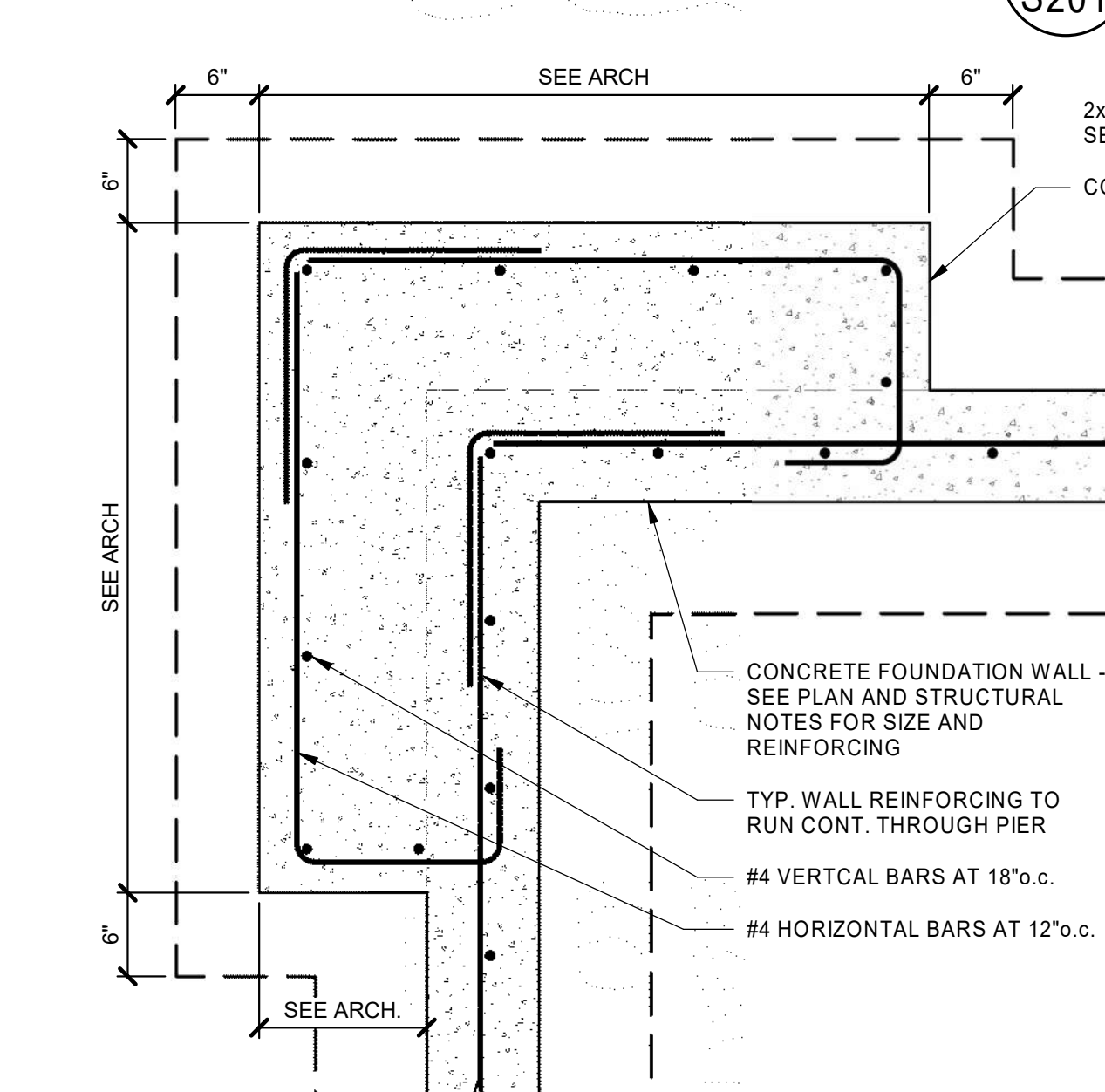
SECTION @ EXTERIOR TIMBER WALL
SCALE: NONE

CONCRETE FOUNDATION @ OPENING
SCALE: NONE

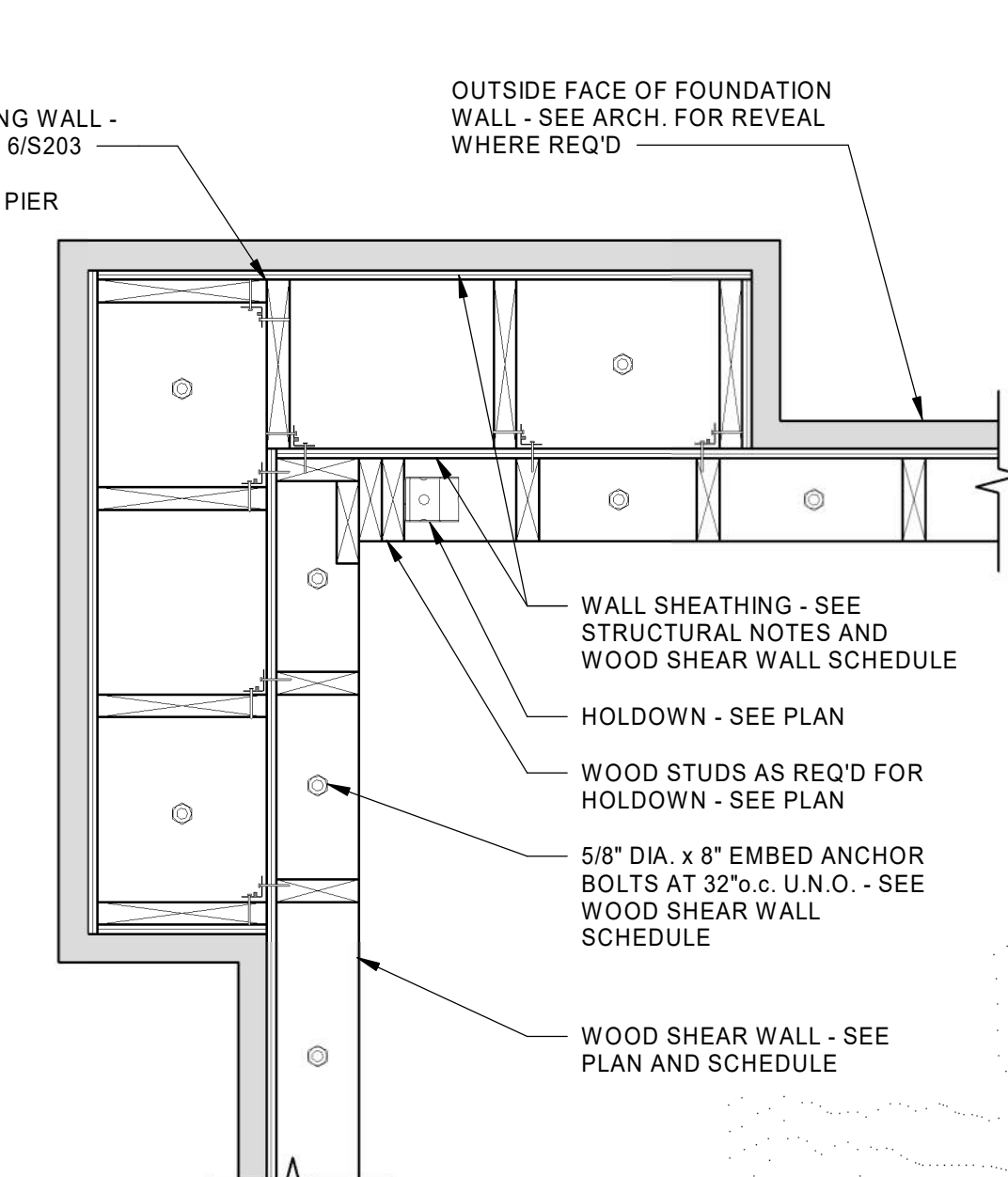
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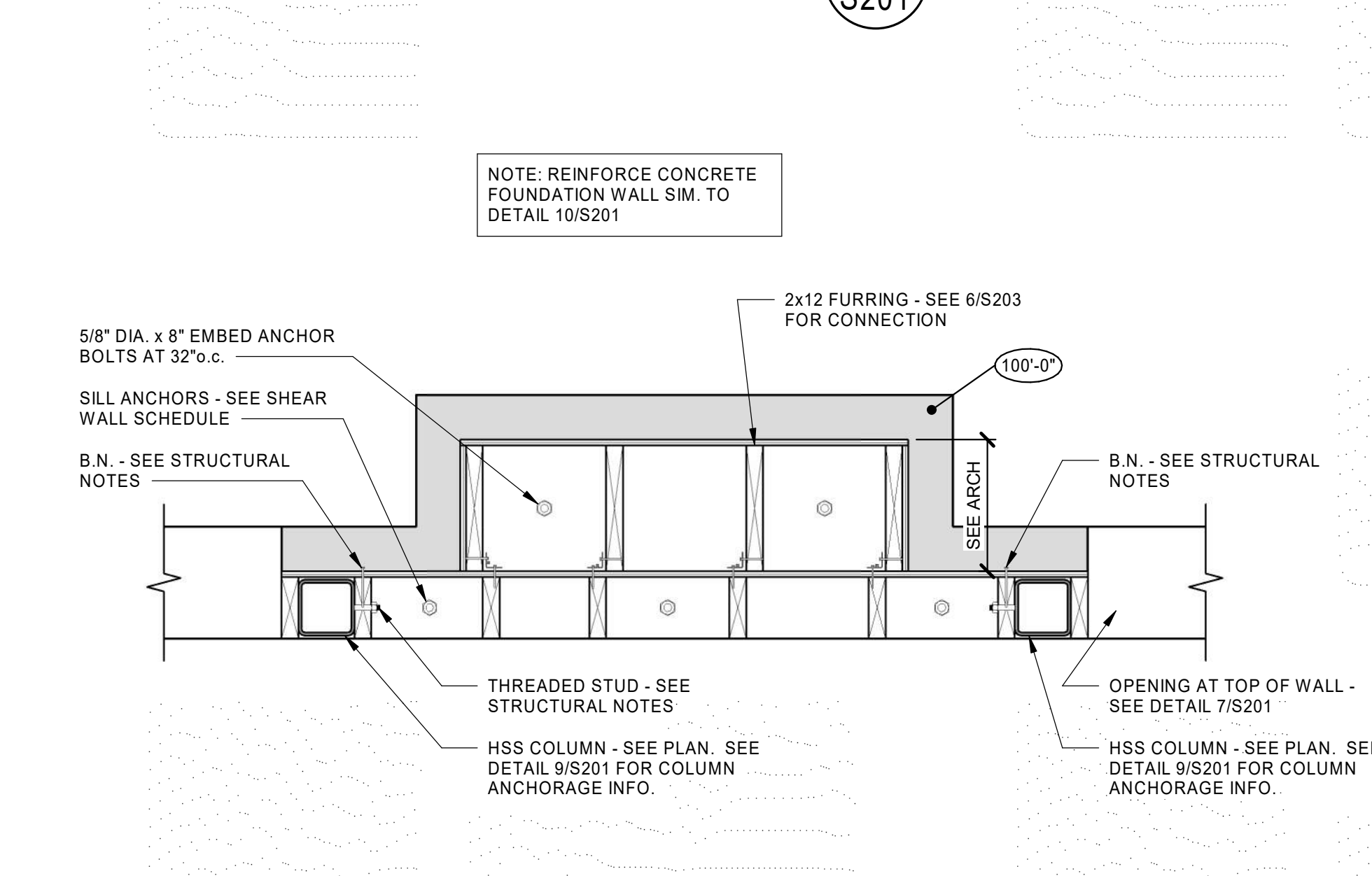
9
S201



DETAIL
SCALE: NONE



10
S201



11
S201

SANTAQUIN SHOPS

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CAD DWG FILE NO:

DRAWN BY: Z. Thorner
DESIGNED BY: A. Higgs
DWG TYPE:
PROJECT PHASE:

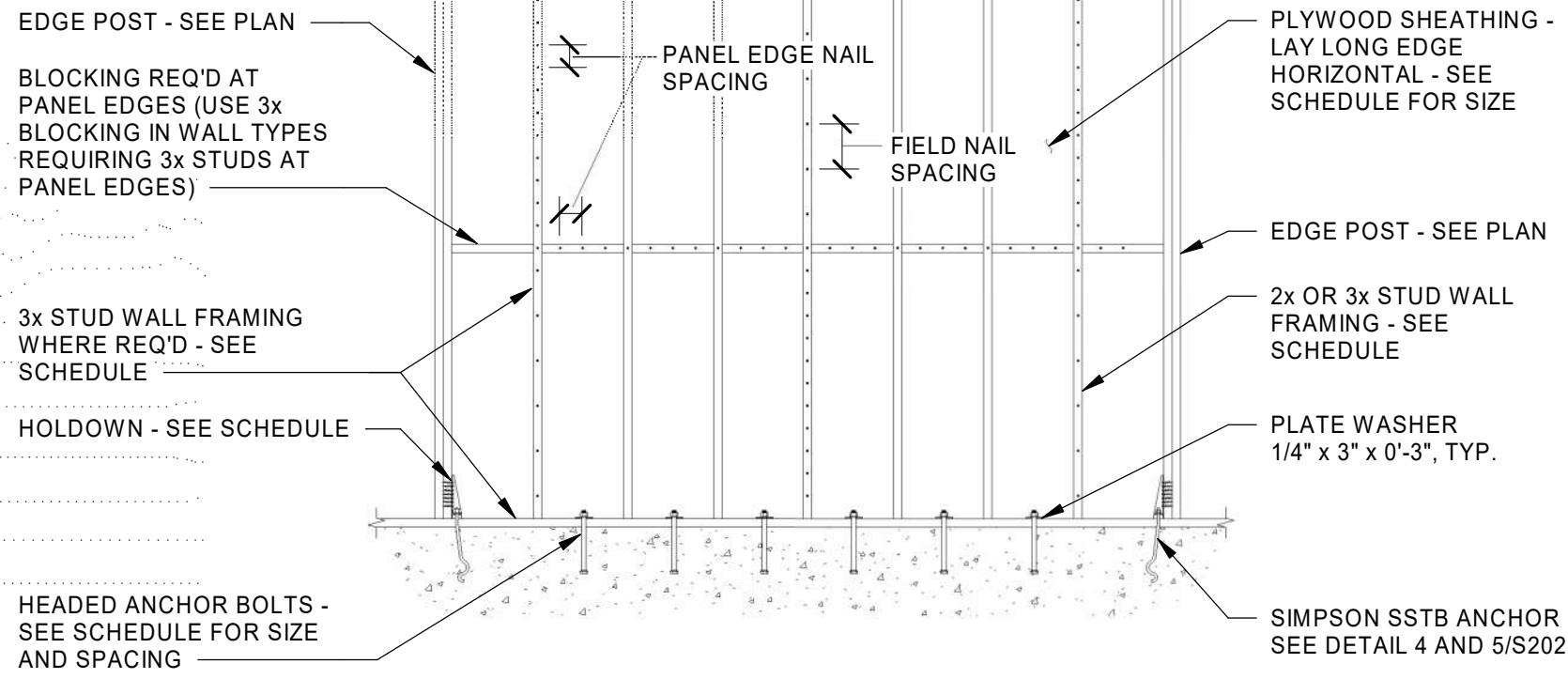
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SHEET TITLE

DETAILS

S201

SOLID WOOD BLOCKING TYP.
BETWEEN RAFTERS AND TRUSSES.
ALL BEARING AND SHEAR WALLS
NOTCH WHERE REQ'D FOR
VENTILATION - SEE DETAIL 6/S202

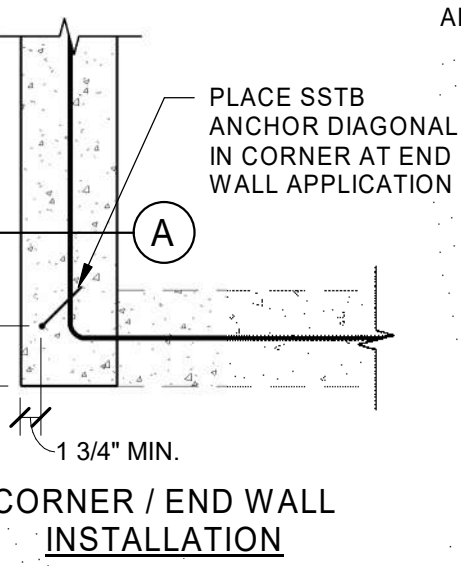


DETAIL
SCALE: NONE

1
S202

HOLDOWN SIZE	ANCHOR SIZE	MIN. EMBEDMENT DEPTH "L"
HDU2	SSTB16	12-5/8"
HDU4	SSTB20	16-5/8"
HDU5	SSTB24	20-5/8"
HDU8	SSTB28	24-7/8"

SECTION A



HOLDOWN EMBED SCHEDULE

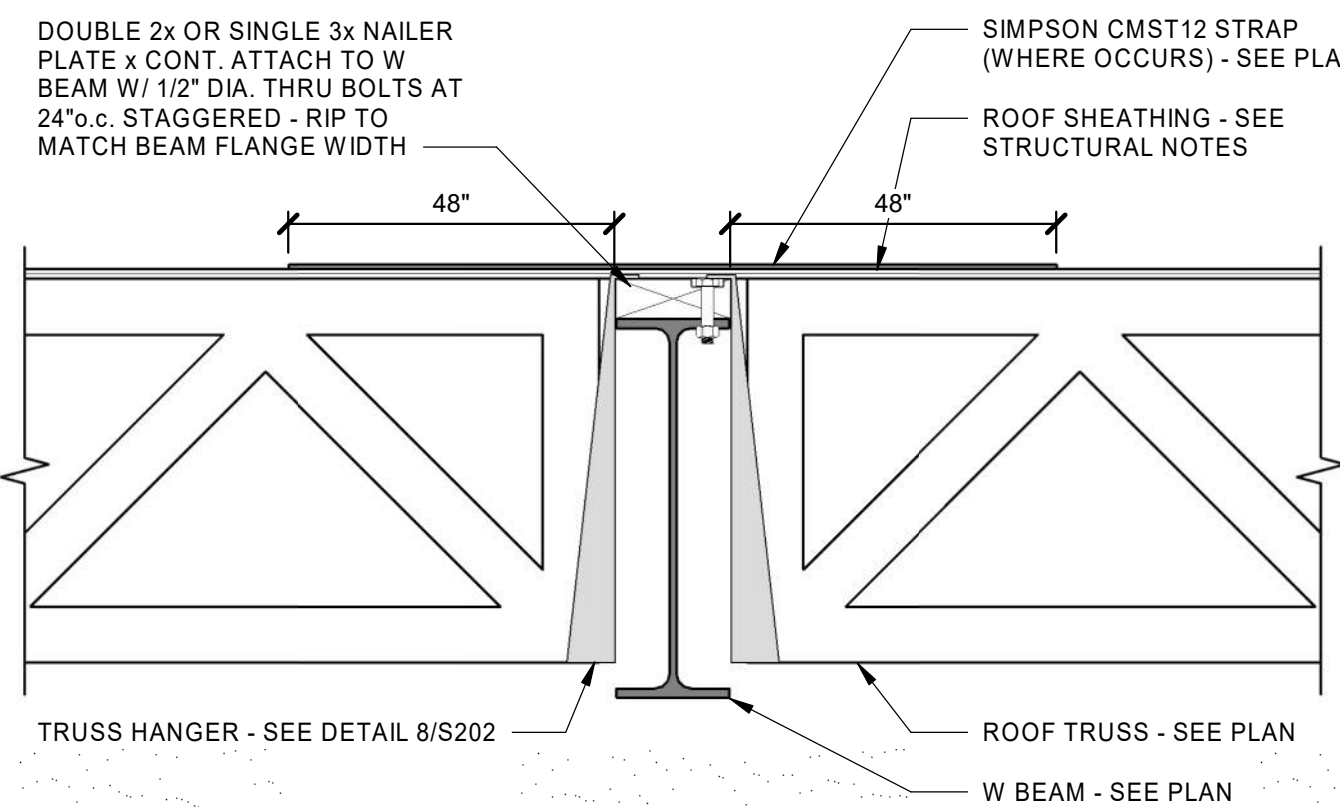
SCALE: NONE

5
S202

TRUSS BLOCKING PANELS

SCALE: NONE

6
S202



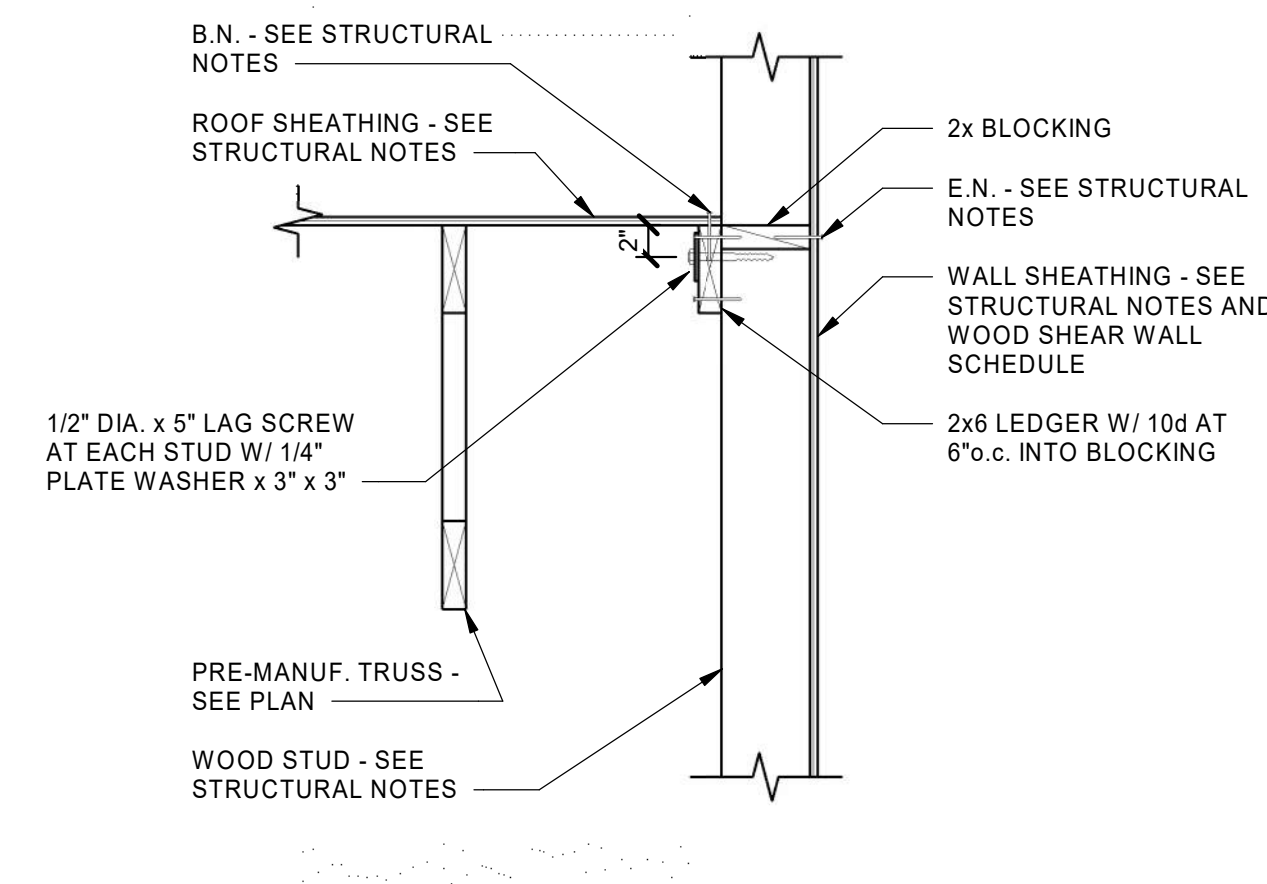
JOIST TO W BEAM

SCALE: NONE

11
S202

DETAIL
SCALE: NONE

2
S202

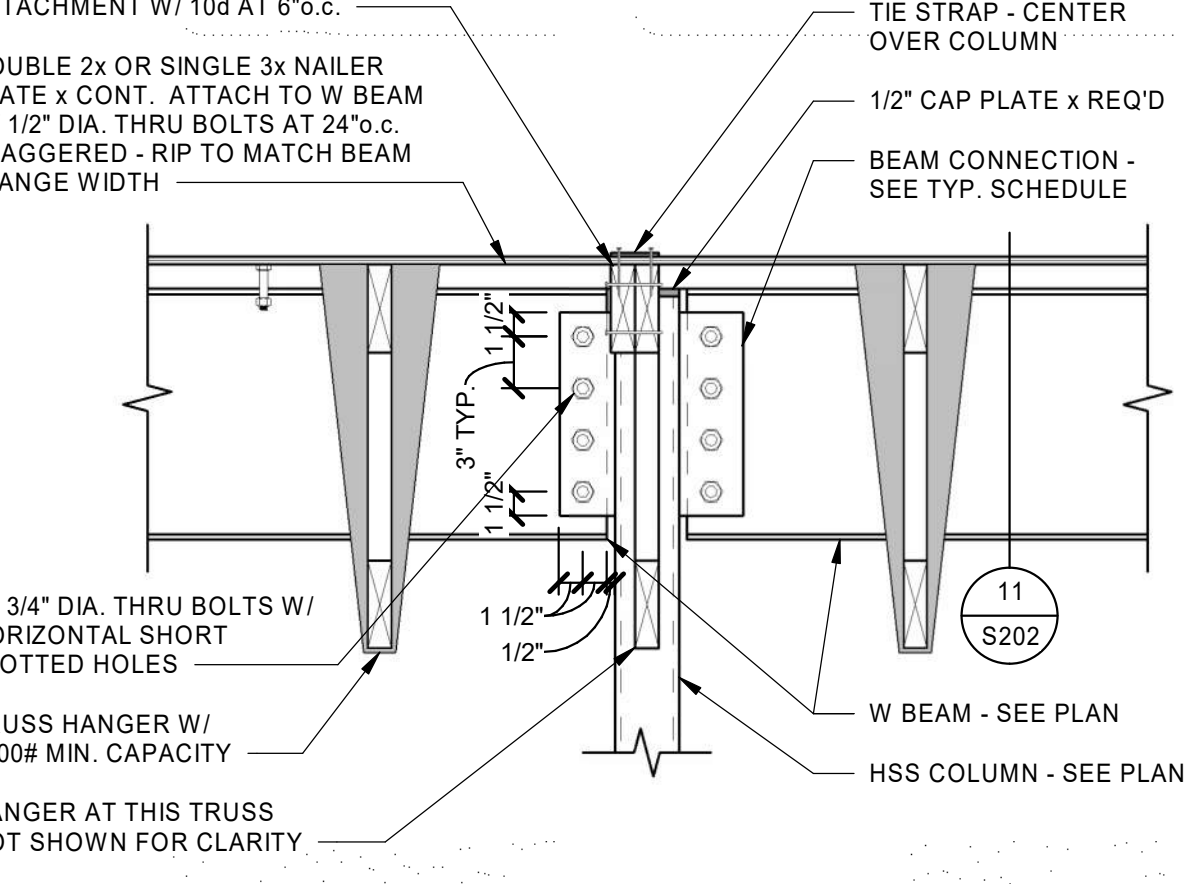


DETAIL
SCALE: NONE

7
S202

TYP. SHEATHING LAYOUT (UNBLOCKED DIAPHRAGM)

SCALE: NONE



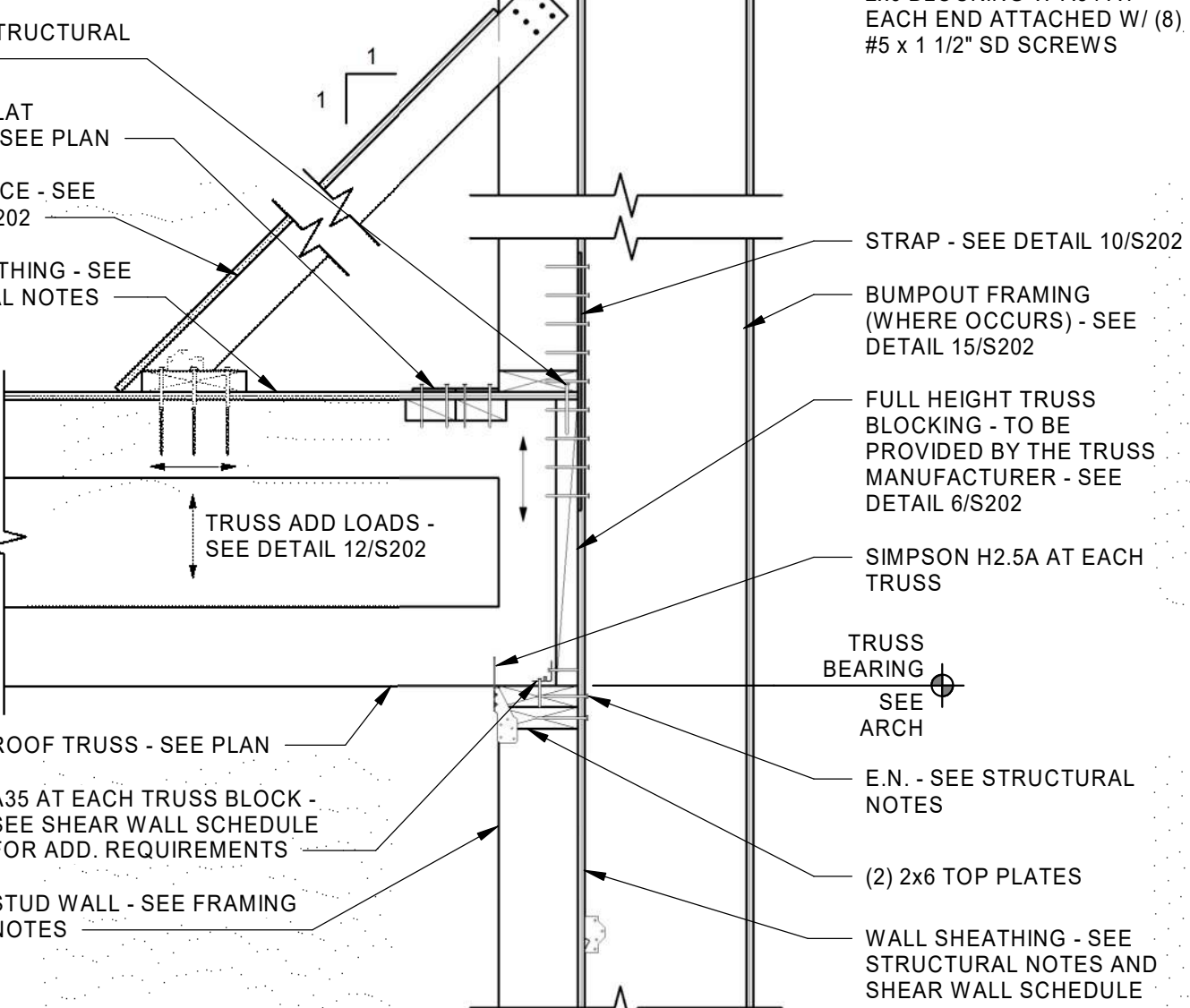
BEAMS INTO HSS COLUMN

SCALE: NONE

8
S202

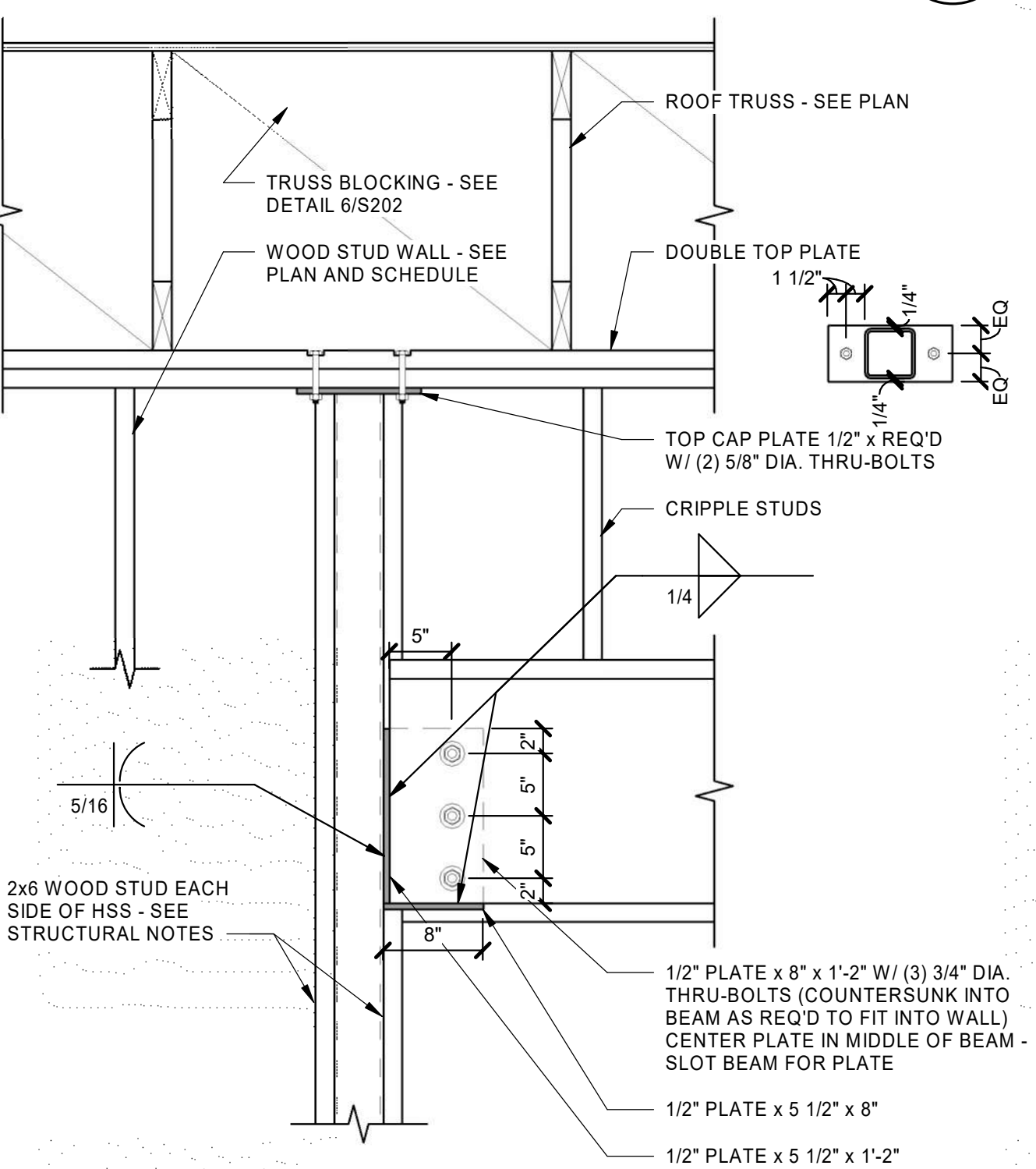
TYP. HOLD DOWN DETAIL

SCALE: NONE



DETAIL
SCALE: NONE

9
S202



DETAIL
SCALE: NONE

13
S202

DETAIL
SCALE: NONE

10
S202

DETAIL
SCALE: NONE

12
S202



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DESIGNED BY: A. Higgs
DWG TYPE:
PROJECT PHASE:

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DWG TYPE: A. Higgs
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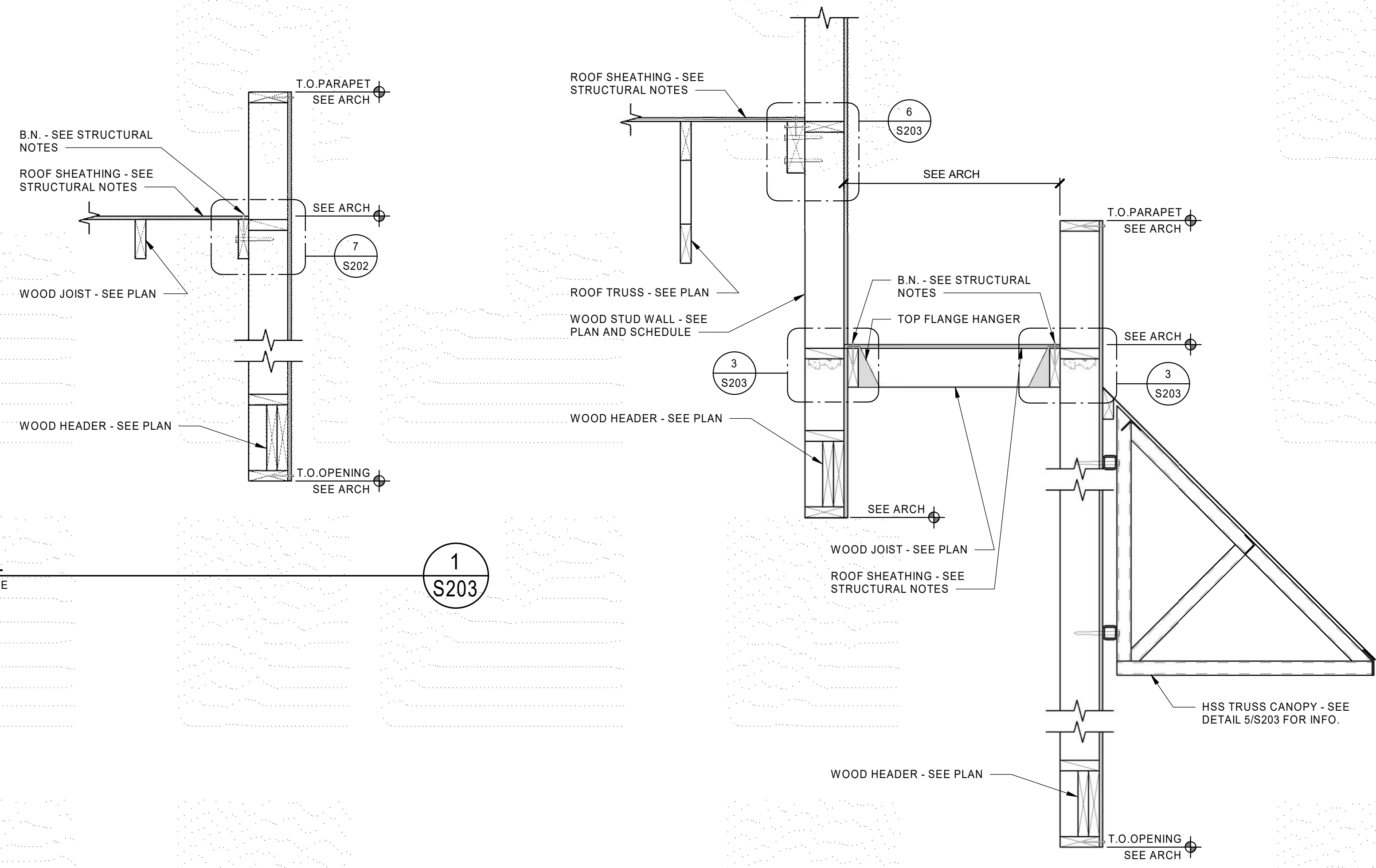
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DETAILS

S203

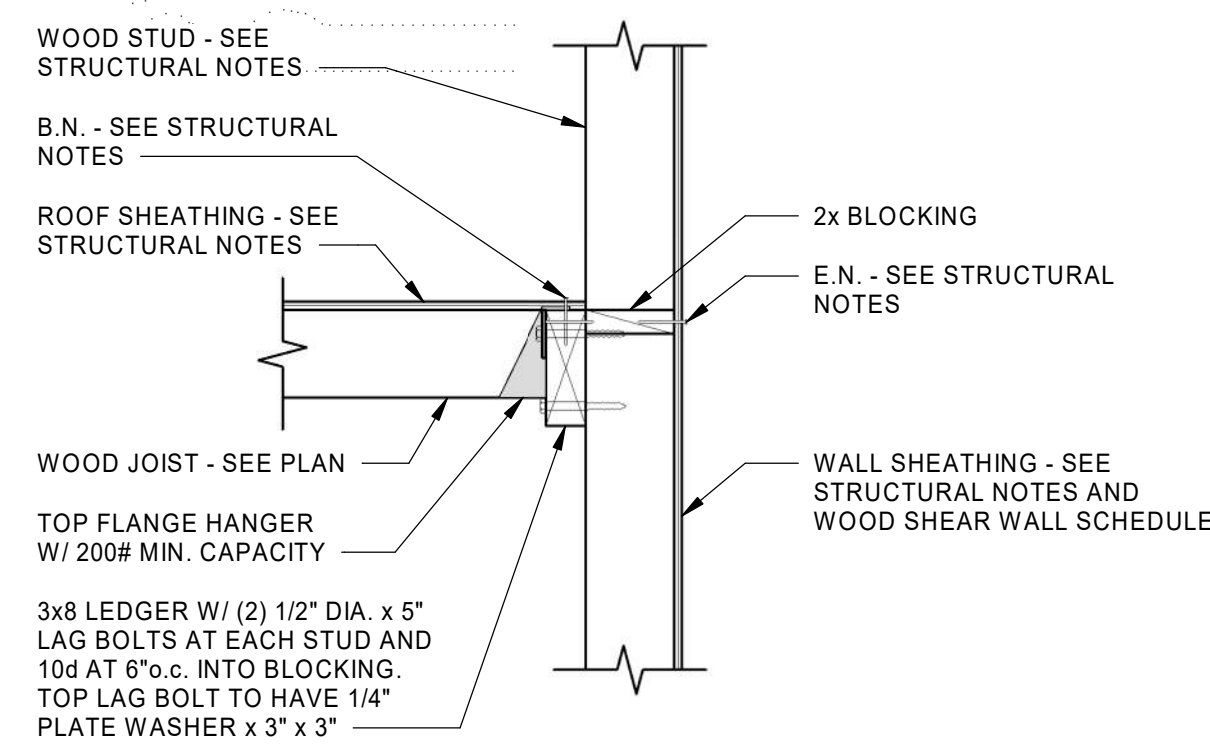
DETAIL
SCALE: NONE

1
S203



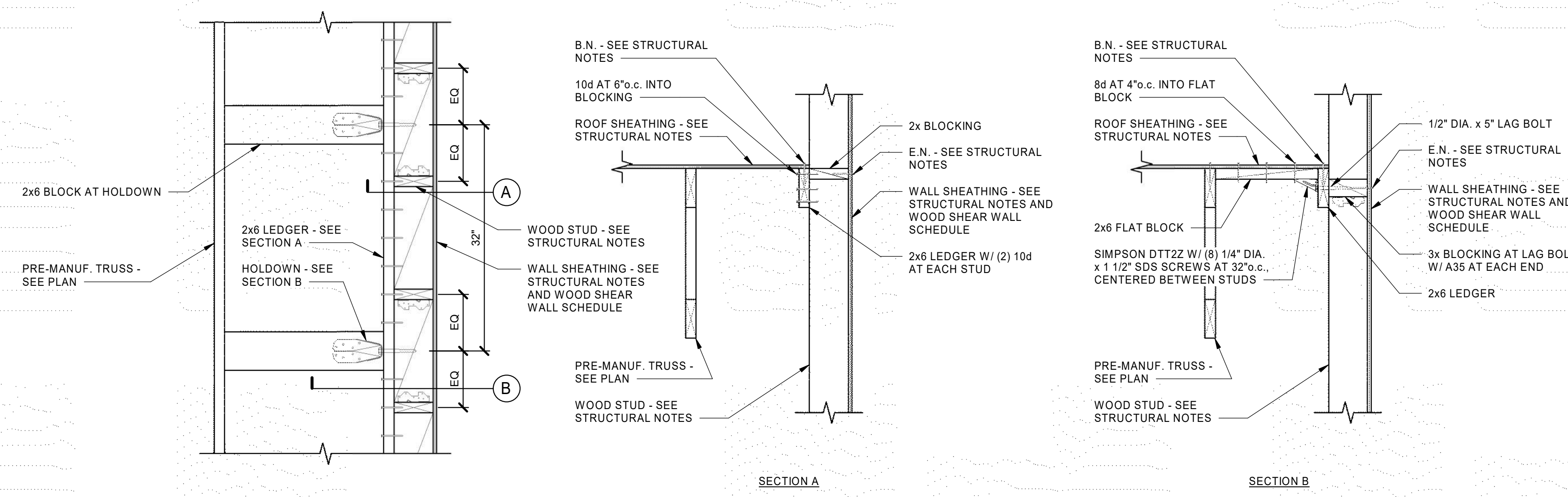
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3
S203



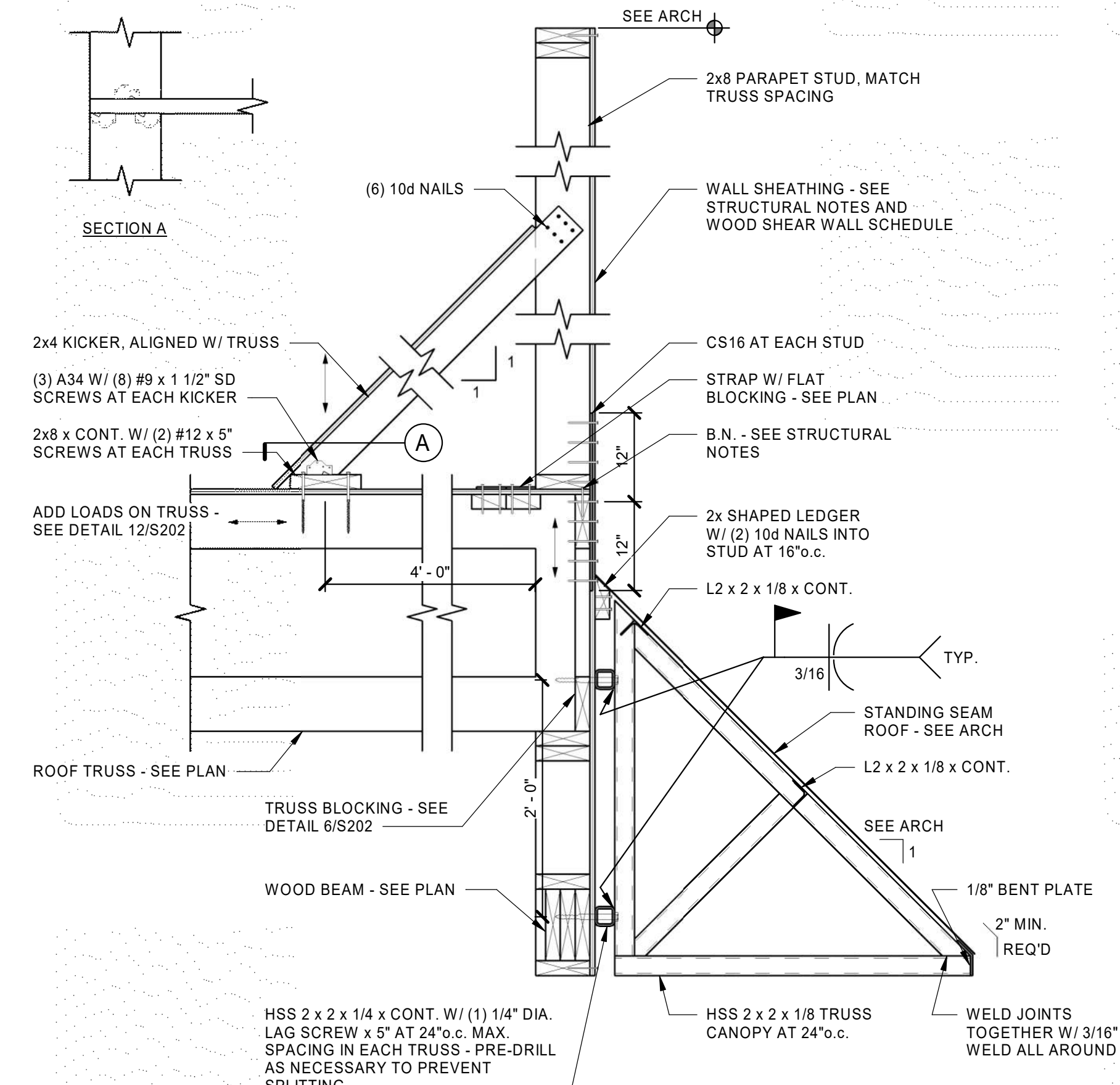
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S203



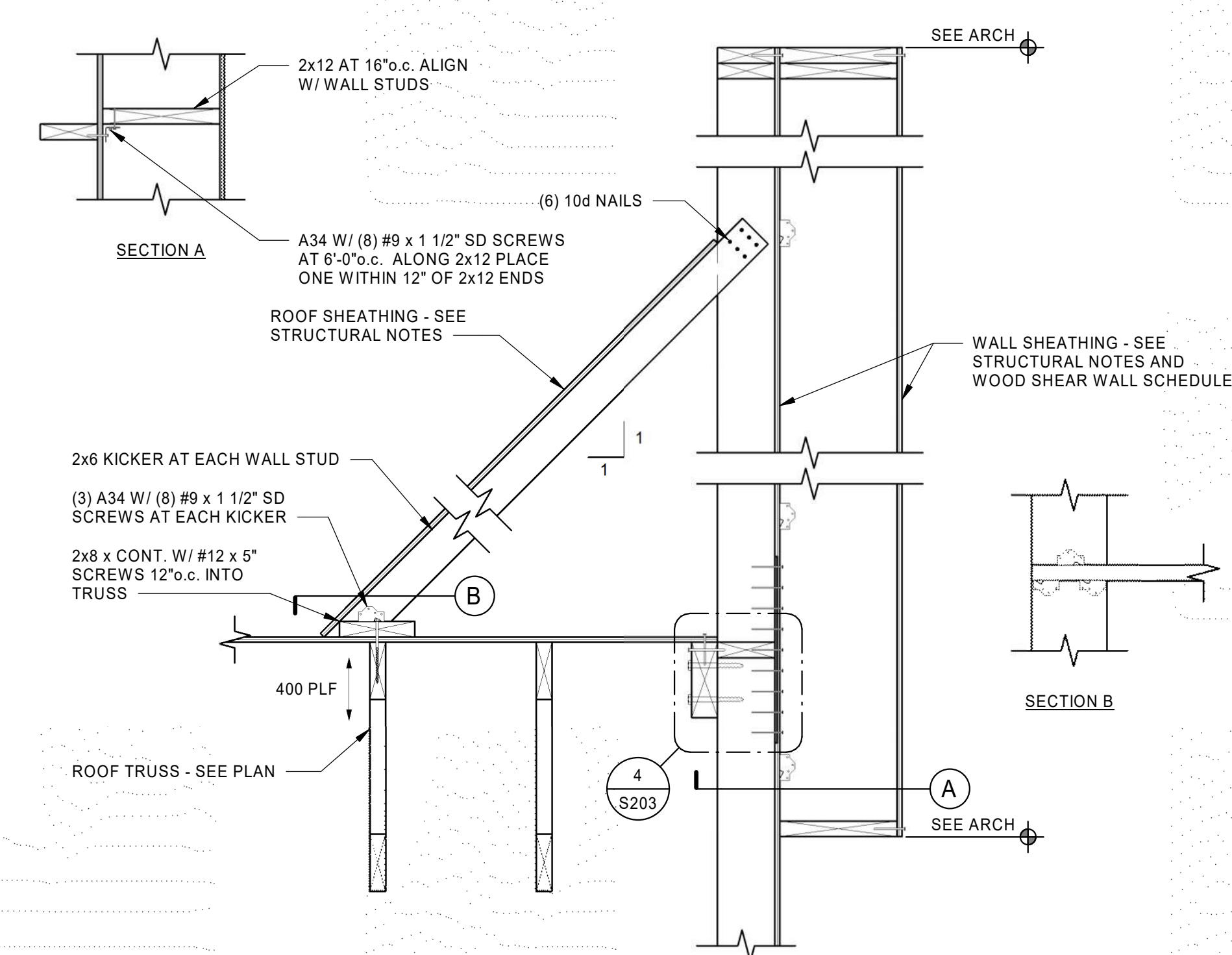
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SCALE: NONE

5
S203



BALLOON FRAMED WALL W/ PARAPET
SCALE: NONE

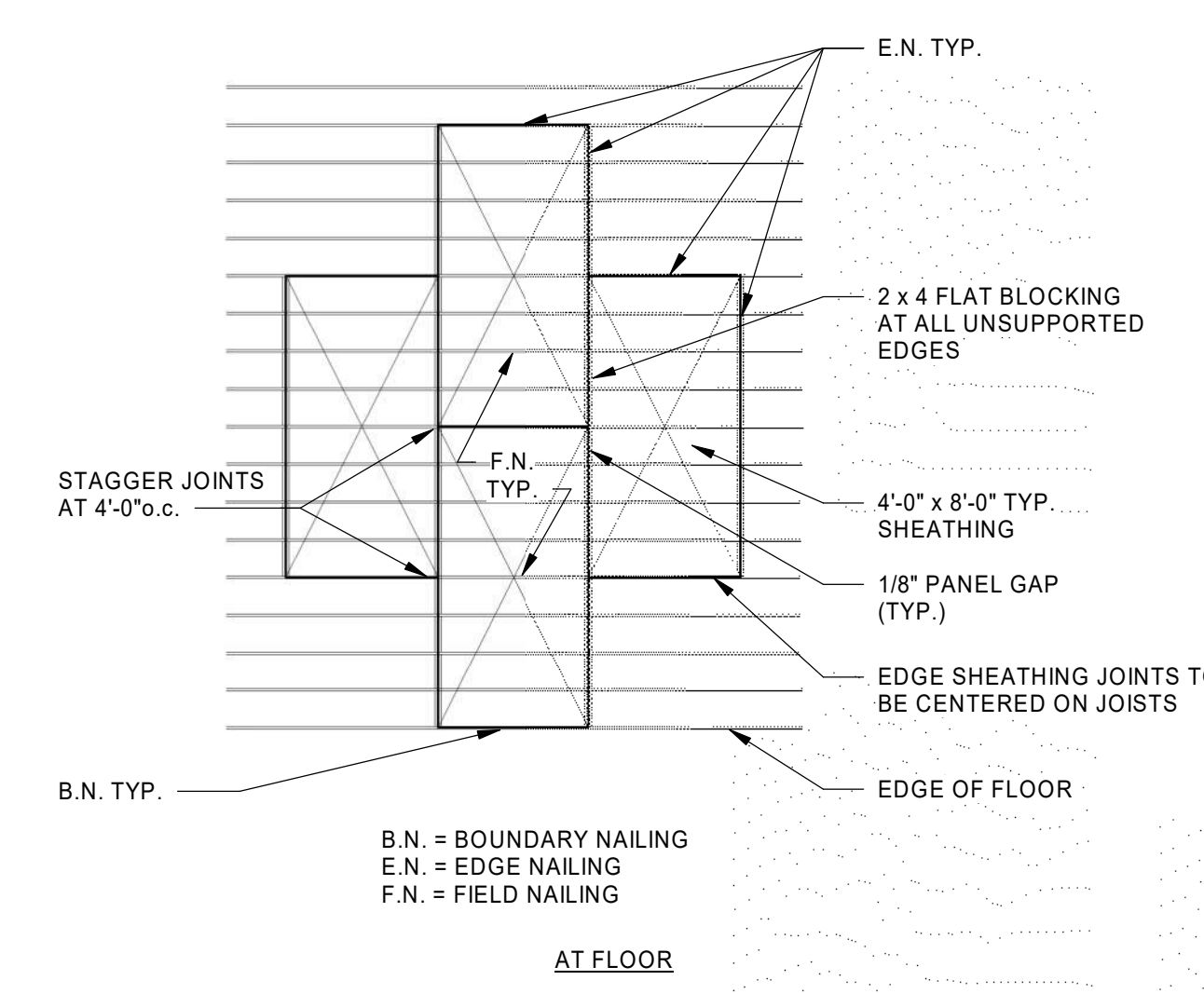
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S203



DETAIL
SCALE: NONE

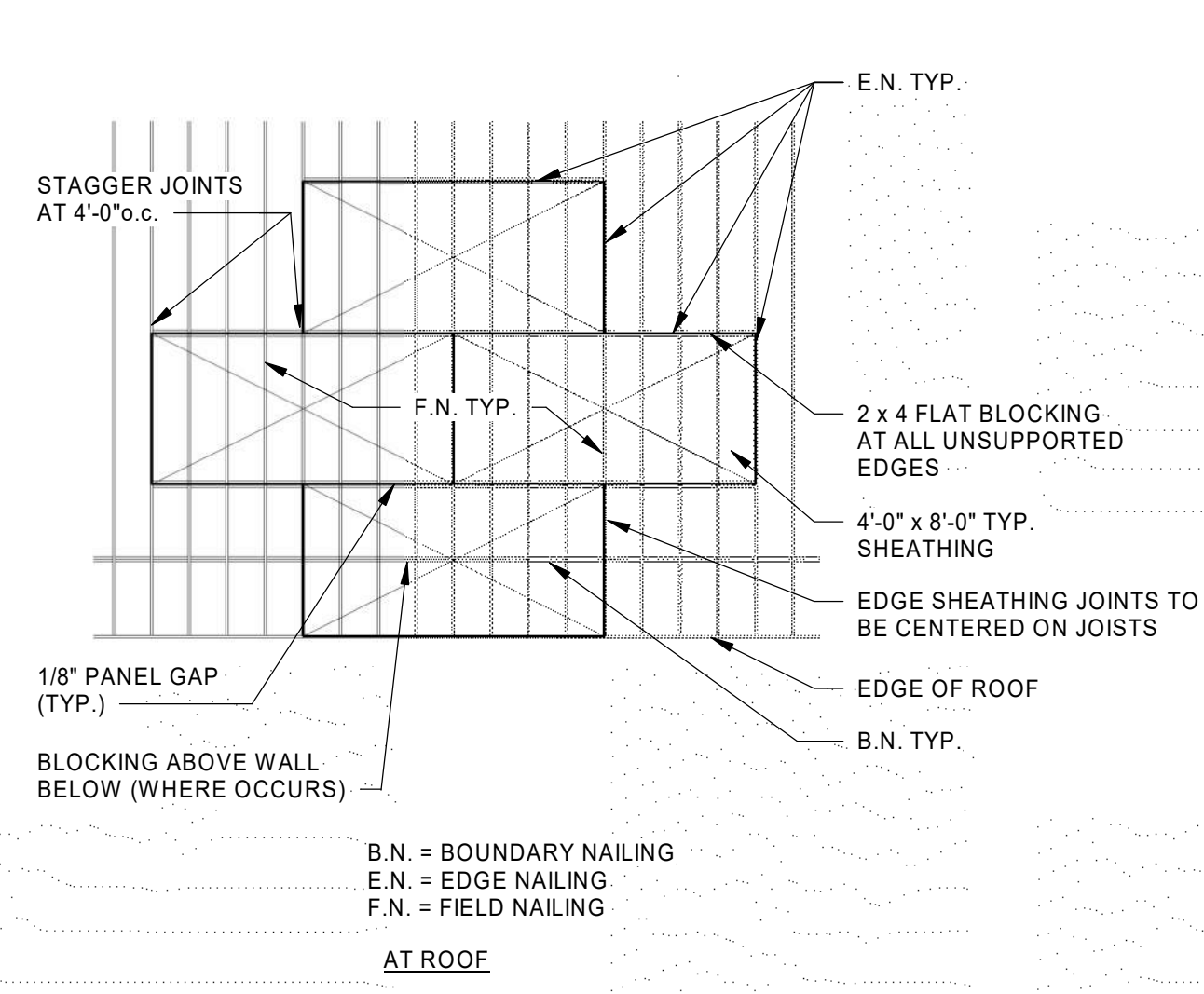
6
S203

TYP. SHEATHING LAYOUT
SCALE: NONE

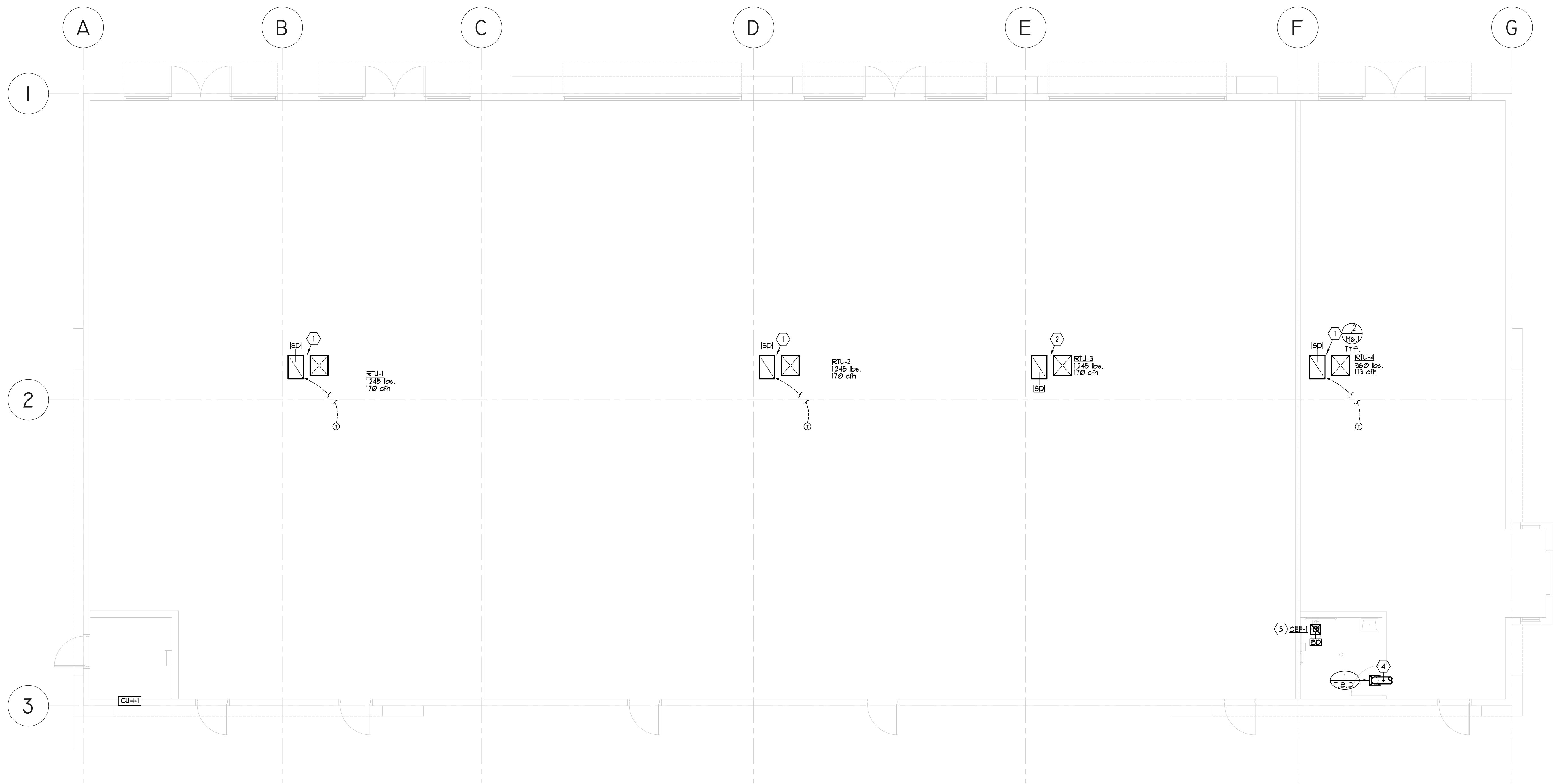


DETAIL
SCALE: NONE

7
S203



X:\DWG\020 2020\20207 - Santaquin Retail (Rev.02.2020) - Santaquin Retail Shop - S203.dwg 8/24/2020 1:25:48 PM



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

PVE Inc.
Consulting Mechanical Electrical Engineers
1040 North 2200 West, Suite 100
Salt Lake City, UT 84116
Phone: (801) 359-3158
Fax: (801) 521-4114

- KEYED NOTES:**
- 1 EXTEND DUCT WORK FULL-SIZED TO BOTTOM OF JOISTS. DROP TEMP. STAT (BT M.C.) TO 8'-00" A.F.F. AND SET HEATING TO 40°.
 - 2 EXTEND DUCT WORK FULL-SIZED TO BOTTOM OF JOISTS / COVER OPENINGS.
 - 3 6" Ø EXHAUST THROUGH ROOF. TERMINATE W/ WEATHERPROOF CAP.
 - 4 PROVIDE / INSTALL FLAQUE DIFFUSER W/ 2-WAY BLOCK-OFFS. RISE DUCT INTO JOIST SPACE FOR FINAL CONNECTIONS BY OTHERS.
- GENERAL NOTES:**
- A CONTRACTOR SHALL VERIFY THAT ALL VENTS AND EXHAUSTS ARE A MINIMUM OF 10'-00" FROM ANY FRESH AIR INTAKE. ANY REQUIRED OFF-SETS SHALL OCCUR BELOW THE ROOF STRUCTURE.

SANTAQUIN
RETAIL PAD C

MARK	DATE	DESCRIPTION

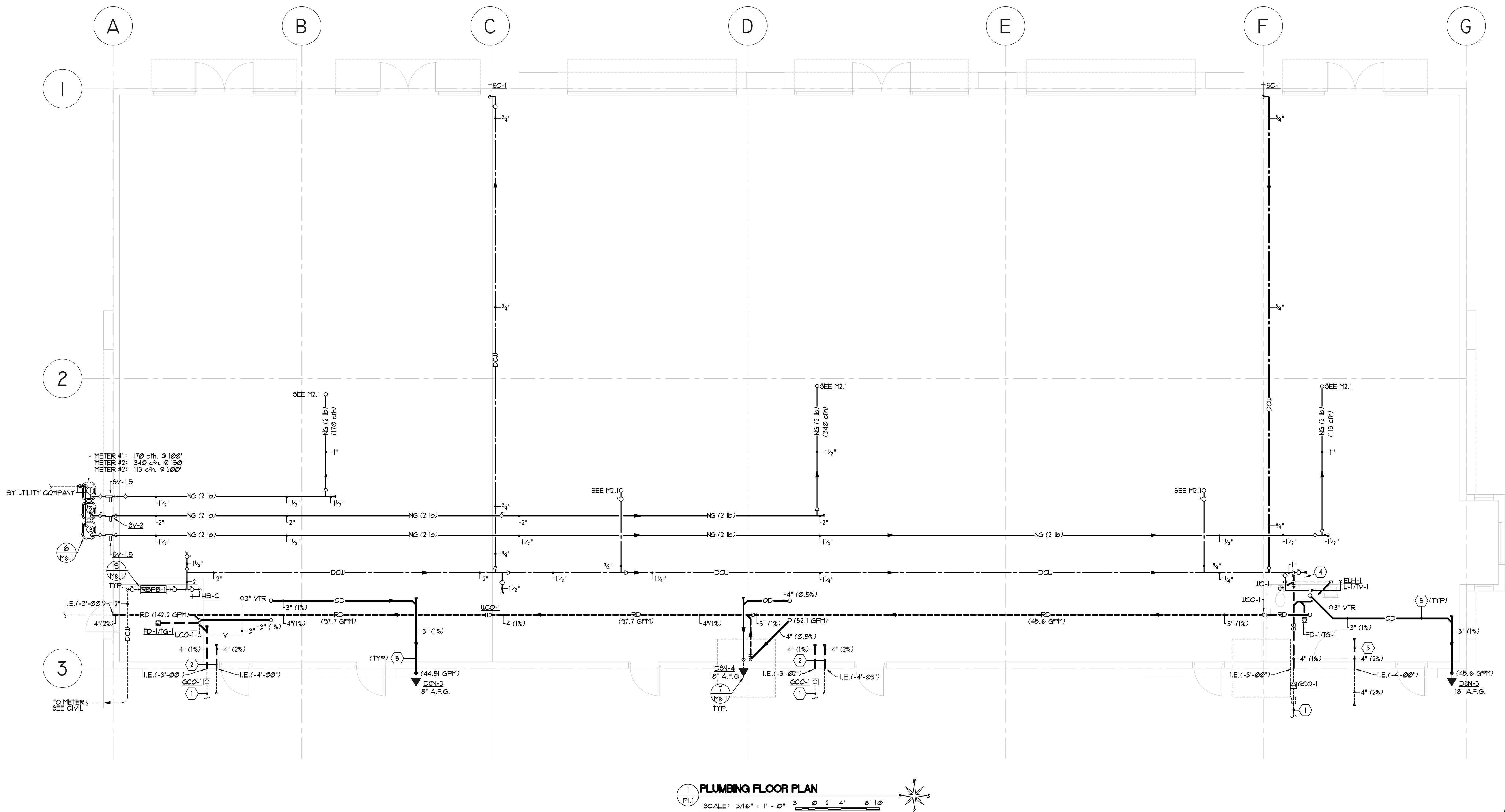
DATE: 8.21.20
PVE PROJECT NO: 20074.00
DESIGN SEQUENCE PROJECT NO:
CAD DWG FILE NO:

DRAWN BY: TE
DESIGNED BY: BNS
DWG TYPE:
ARCHITECTURAL PHASE: PERMIT SET

SHEET TITLE

MECHANICAL FLOOR
PLAN

M1.1



- KEYED NOTES:
- 1

EXTEND UTILITIES 5' BEYOND BUILDING'S EDGE FOR CONNECTIONS BY CIVIL.
- 2

CAP SANITARY / FUTURE GREASE LINE AT FINISH FLOOR ELEVATION FOR CONNECTIONS BY FUTURE TENANT.
- 3

CAP FUTURE GREASE LINE AT FINISH FLOOR ELEVATION / FINISH GRADE OUTSIDE BUILDING EDGE FOR CONNECTIONS BY FUTURE TENANT.
- 4

CAP FUTURE SANITARY LINE AT FINISH FLOOR ELEVATION FOR CONNECTIONS BY FUTURE TENANT.
- 5

INSULATE ROOF DRAIN BOULDS AND ALL HORIZONTALLY INSTALLED ROOF / OVERFLOW DRAIN PIPING.

GENERAL NOTES:

A

CONTRACTOR SHALL VERIFY THAT ALL VENTS ARE A MINIMUM OF 10'-00\"/>

SANTAQUIN
RETAIL PAD C

MARK	DATE	DESCRIPTION

DATE: 8.21.20

PVE PROJECT NO: 20074.00

DESIGN SEQUENCE PROJECT NO:

CAD DWG FILE NO:

DRAWN BY: TE

DESIGNED BY: BNS

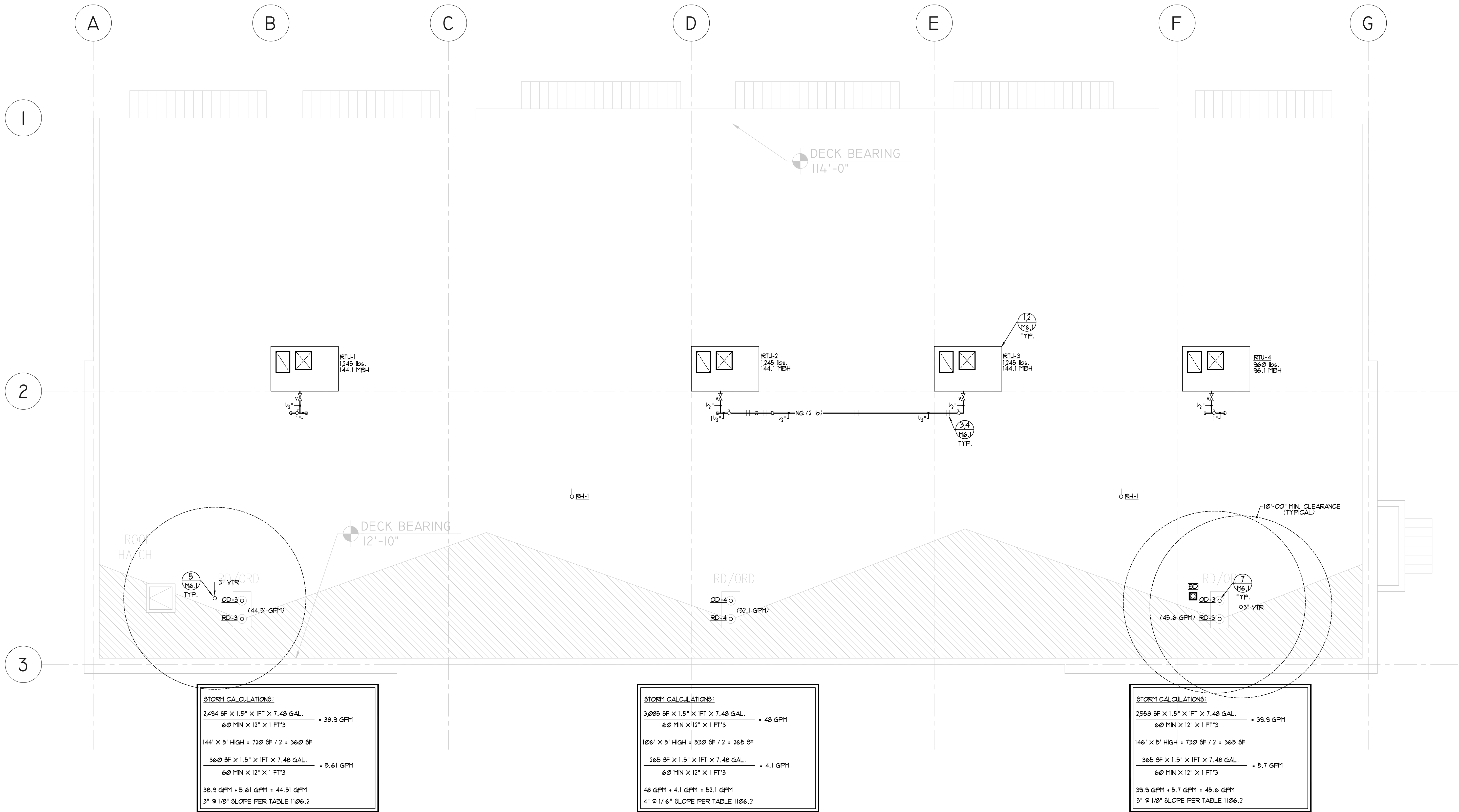
DWG TYPE:

ARCHITECTURAL PHASE: PERMIT SET

SHEET TITLE

PLUMBING FLOOR
PLAN

P1.1



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

SANTAQUIN
RETAIL PAD C

MARK	DATE	DESCRIPTION

DATE: 8.21.20
PVE PROJECT NO: 20074.00
DESIGN SEQUENCE PROJECT NO:
CAD DWG FILE NO:

DRAWN BY: TE
DESIGNED BY: BNS
DWG TYPE:
ARCHITECTURAL PHASE: PERMIT SET
SHEET TITLE

MECHANICAL ROOF
PLAN

M2.1

ELECTRICAL SYMBOL SCHEDULE			
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
	MECHANICAL/PLUMBING EQUIPMENT CALLOUT		
	KITCHEN EQUIP. CALLOUT, OR AS NOTED BY ARCH.		
	KITCHEN EQUIP. CALLOUT, OR AS NOTED BY ARCH.		
	LUMINAIRE TYPE		
	DIAGRAM/DETAIL CALLOUT		
	CONDUIT RUN CONCEALED IN WALL OR CEILING		
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND		
	SURFACE RACEWAY/WIRE MOLD		
	LOW VOLTAGE CONDUIT RUN		
	DEMOLITION		
	EXISTING		
	HOME RUN TO PANEL		
	CONDUIT STUB		
	CONDUIT BREAK/CONTINUATION		
	CONDUIT STUB DOWN		
	CONDUIT STUB UP		
	FUSE		
	GROUND/GROUND ROD		
	CIRCUIT BREAKER		
	TELEPHONE OUTLET, SINGLE PORT	18"	
	TELEPHONE OUTLET, CUSTOM HEIGHT		(6)
	DATA OUTLET, DUAL PORT	18"	
	DATA OUTLET, CUSTOM HEIGHT		(6)
	DUAL DATA AND SINGLE TELEPHONE PORT	18"	
	DUAL DATA AND SINGLE TELEPHONE PORT, CUSTOM HEIGHT		(6)
	DATA OUTLET, ATTRIBUTE SIGNIFIES PORT QUANTITY	18"	
	TELEPHONE OUTLET, SINGLE PORT, FLOOR MOUNTED	FLOOR	
	DATA OUTLET, DUAL PORT, FLOOR MOUNTED	FLOOR	
	TELEVISION OUTLET	AS NOTED	(6) (11)
	NURSE CALL STATION, SINGLE BED	4'-11"	(11)
	NURSE CALL STATION, DOUBLE BED	4'-11"	(11)
	NURSE CALL STATION, EMERGENCY	4'-11"	(11)
	NURSE CALL STATION, CODE BLUE	4'-11"	(11)
	NURSE CALL STATION, MICROPHONE/SPEAKER UNIT	4'-11"	(11)
	NURSES CALL PULL CHAIN	AS NOTED	
	NURSE CALL DOME LIGHT	CEILING	(11)
	NURSE CALL DOME LIGHT, WALL	WALL	(11)
	SPEAKER	CEILING	
	SPEAKER, WALL	AS NOTED	(11)
	VOLUME CONTROL, WALL	4'-0"	(11)
	MICROPHONE, WALL	AS NOTED	(11)
	MICROPHONE, FLOOR	FLOOR	
	BELL, WALL	AS NOTED	
	CHIME, WALL	AS NOTED	
	SECURITY CAMERA, FIXED	CEILING	
	SECURITY CAMERA, PTZ	CEILING	
	SECURITY CAMERA, FIXED, WALL	AS NOTED	(11)
	SECURITY CAMERA, PTZ, WALL	AS NOTED	(11)
	CARD READER	4'-0"	(11)
	DOOR CONTACT	4'-0"	(11)
	REQUEST TO EXIT	4'-0"	(11)
	KEYPAD	4'-0"	(11)
	ELECTRIC HINGE	4'-0"	(11)
	ELECTRIC LATCH	4'-0"	(11)
	ELECTRIC STRIKE	4'-0"	(11)
	BIOMETRIC READER	4'-0"	(11)
	MAIN DISTRIBUTION FRAME	6'-6" TO TOP	
	INTERMEDIATE DISTRIBUTION FRAME	6'-6" TO TOP	
ABBREVIATIONS			
A	AMPS	ENT	ELEC. NON-METAL TUBING
AFC	AVAILABLE FAULT CURRENT	ER	EXISTING TO BE RELOCATED
AFF	ABOVE FINISHED FLOOR	EX	EXISTING TO REMAIN
AFG	ABOVE FINISHED GRADE	FMC	FLEXIBLE METAL CONDUIT
AIC	AMPS INTERRUPT CAPACITY	GC	GENERAL CONTRACTOR
AWG	AMERICAN WIRE GAUGE	GEC	GRND. ELEC. COND. AT SES
BC	BARE COPPER	GFO	GRND. FLT. CURR. INTERRUPT
BFC	BELOW FINISHED CEILING	GND	GROUND
BFG	BELOW FINISHED GRADE	IMC	INTER. METAL CONDUIT
C	CONDUIT	IG	ISOLATED GROUND
CND	CONDUIT ONLY	KCMIL	1000 CIRCULAR MILS (MCM)
CO	CONDUIT ONLY	LFMC	LIQUID-TIGHT FLEX.
CT	CURRENT TRANSDUCER	METAL COND.	
CJ	COPPER MATERIAL	LFNC	LIQUID-TIGHT FLEX. NON-METAL COND.
DED	DEDICATED	UNO	UNLESS NOTED OTHERWISE
DFA	DROP FROM ABOVE	MC	MECHANICAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR	MCA	MINIMUM CIRCUIT AMPS
EF	EXHAUST FAN	N1	NEMA 1
EM	EMERGENCY BATTERY	NSR	NEMA 3R
EMT	ELEC. METALLIC TUBING	N	NEW
NL	NIGHT LIGHT, BYPASS		
	LOCAL SWITCHING		
PC	PLUMBING CONTRACTOR		
POC	POINT OF CONNECTION		
POS	POINT OF SALE		
R	RELOCATED		
RM	ROOF MOUNTED		
RMC	RIGID METALLIC CONDUIT		
RNC	RIGID NON-METALLIC COND.		
SBJ	SYSTEM BONDING JUMPER		
SCA	SHORT CIRCUIT AMPERES		
T	TRANSMITTER		
TC	TEMP. CONTROL CONTR.		
UG	UNDERGROUND		
UNO	UNLESS NOTED OTHERWISE		
VA	VOLTAGMS		
VIF	VERIFY IN FIELD		
WP	WEATHERPROOF/NEMA 3R		
XP	EXPLOSION PROOF		
XR	EXISTING TO BE REMOVED		
NOTES			
(1)	SEE LUMINAIRE SCHEDULE FOR FIXTURE TYPES AND DETAILS.		
(2)	SEE LUMINAIRE SCHEDULE FOR MOUNTING REQUIREMENTS.		
(3)	WIRE LIGHT FIXTURE FROM ADJACENT J-BOX		
(4)	CONNECT NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGENCY BALLAST		
(5)	DIRECTIONAL ARROWS INDICATE REQUIRED CHEVRONS		
(6)	COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL INTERIOR ELEVATIONS		
(7)	USE WITH POWER PACK		
(8)	"X" IN SYMBOL, IS INCHES BETWEEN RECEPTACLE ALONG WIREWAY. SEE DRAWINGS.		
(9)	PROVIDE ILL LISTED DEVICE COMPATIBLE WITH THE FIRE ALARM PANEL/SYSTEM.		
(10)	MATCH THE VOLTAGE OF THE RELAY WITH THAT OF THE CONTROLLING CIRCUIT.		
(11)	USE A 4" X 4" BOX WITH A MUD RING TO MATCH THE DEVICE AND INSTALLATION.		
(12)	PROVIDE MUD RING AND/OR BOX COVER APPROPRIATE FOR DEVICE/FIXTURE SERVED.		
(13)	USE HEAVY DUTY DEVICE FOR 480 VOLT		
(14)	SIZE TO THE EQUIPMENT BEING CONTROLLED		
(15)	FIRE ALARM PANELS: FACP: FIRE ALARM CONTROL PANEL, NAC: NOTIFICATION APPLIANCE		CIRCUIT
(16)	PANEL, ANNUN: GRAPHIC ANNUNCIATOR PANEL, AND SES: SMOKE EVACUATION SYSTEM PANEL		
(16)	LIGHT FIXTURES ARE SCALED WITHIN THE DRAWINGS BASED ON ACTUAL DIMENSIONS.		

ELECTRICAL SYMBOL SCHEDULE			
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
	MAIN TELEPHONE BOARD	6'-6" TO TOP	
	SECURITY PANEL, SURFACE	AS NOTED	
	SECURITY PANEL, RECESSED	AS NOTED	
	SMOKE DETECTOR	CEILING	(9) (11)
	SMOKE DETECTOR, SOUNDER BASE	CEILING	(9)
	SMOKE DETECTOR, SOUNDER BASE, WALL	7'-6"	(9) (11)
	SMOKE DETECTOR, SOUNDER BASE, VISUAL IND.	CEILING	(9)
	SMOKE DETECTOR, SOUNDER BASE, VISUAL IND., WALL	7'-6"	(9) (11)
	DUCT SMOKE DETECTOR	SEE MECH.	(9)
	FIRE/SMOKE DAMPER	SEE MECH.	
	HEAT DETECTOR	CEILING	(9) (11)
	BEAM DETECTOR, RECEIVER		(9)
	BEAM DETECTOR, TRANSMITTER		(9)
	BEAM DETECTOR, RECEIVER/TRANSMITTER		(9)
	BEAM DETECTOR, REFLECTOR		(9)
	FLAME DETECTOR		(9)
	FIRE FIGHTER TELEPHONE OUTLET		(9) (11)
	FIRE ALARM MANUAL PULL STATION	4'-0"	(9) (11)
	FIRE ALARM STROBE, ATTRIBUTE SIGNIFIES CANDELA RATING	7'-6"	
	FIRE ALARM HORN	7'-6"	(9) (11)
	FIRE ALARM HORN STROBE, ATTRIBUTE SIGNIFIES CANDELA RATING	7'-6"	(9) (11)
	FIRE ALARM SPEAKER	7'-6"	(9) (11) (18)
	FIRE ALARM SPEAKER STROBE, ATTRIBUTE SIGNIFIES CANDELA RATING	7'-6"	(9) (11) (18)
	FIRE SPRINKLER FLOW BELL	7'-6" AFF	(9)
	FIRE ALARM CHIME	AS NOTED	(9)
	ELECTRO MAGNETIC DOOR HOLDER	AS NOTED	
	RELAY MODULE		(9)
	MONITOR MODULE		(9)
	CONTROL MODULE		(9)
	PRESSURE SWITCH		(9)
	TAMPER SWITCH		(9)
	FLOW SWITCH		(9)
	LOOP ISOLATION MODULE		(9)
	FIRE EXTINGUISHER MONITOR		(9)
	FIRE RISER	SEE PLANS	
	FIRE ALARM PANEL, SURFACE	AS NOTED	(15)
	FIRE ALARM PANEL, RECESSED	AS NOTED	(15)
(S) (D) (Q)	(S) SIMPLEX (D) DUPLEX (Q) QUADPLEX OR DOUBLE DUPLEX		
	STANDARD CONVENIENCE OUTLET	18"	
	CONVENIENCE OUTLET, GFCI	18"	
	STANDARD CONVENIENCE OUTLET, EMERGENCY	18"	
	STANDARD CONVENIENCE OUTLET, SWITCHED	18"	
	STANDARD CONVENIENCE OUTLET, CUSTOM HEIGHT		
	CONVENIENCE OUTLET, GFCI, CUSTOM HEIGHT		
	CONVENIENCE OUTLET, ISOLATED GROUND	18"	
	CONVENIENCE OUTLET, FLOOR	FLOOR	
	CONVENIENCE OUTLET, CEILING	CEILING	
	2 CIRCUITS TO EACH DEVICE	18"	
	COMBINATION POWER AND COMMUNICATION FLOOR BOX	FLOOR	
	SPECIAL PURPOSE OUTLET		
	DIRECT CONNECTION TO EQUIPMENT		
	CORD DROP OUTLET	SUSPENDED	
	POWER/VOICE-DATA SERVICE POLE	AS NOTED	
	DISTRIBUTION JUNCTION UNIT		
	VARIABLE FREQUENCY DRIVE		
	TRANSIENT VOLTAGE SURGE SUPPRESSION		
	JUNCTION BOX	AS NOTED	(12)
	JUNCTION BOX, WALL	AS NOTED	(12)
	JUNCTION BOX, FLOOR	FLOOR	(12)
	CLOCK OUTLET		(*)
	MANUAL MOTOR CONTROLLER SWITCH WITHOUT TERMINAL OVERLOAD PROTECTION		
	SWITCH WITH PILOT LIGHT		
	MANUAL SWITCH WITH THERMAL OVERLOAD		
	SINGLE POLE DOOR SWITCH		
	PUSH BUTTON SWITCH, SINGLE	AS NOTED	
	PUSH BUTTON SWITCH, DOUBLE	AS NOTED	
	BUSH BUTTON SWITCH, TRIPLE	AS NOTED	
	EMERGENCY POWER OFF (EPO) SWITCH		
	NON-FUSED DISCONNECT SWITCH		(13) (14)
	FUSED DISCONNECT SWITCH		(13) (14)
	MAGNETIC STARTER		(13) (14)
	MAGNETIC STARTER WITH FUSED DISCONNECT		(13) (14)
	MAGNETIC STARTER WITH BREAKER DISCONNECT		(13) (14)
	POWER RELAY		(13) (14)

ELECTRICAL SYMBOL SCHEDULE			
SYMBOL	DEVICE/FIXTURE DESCRIPTION	MOUNTING	COMMENTS
	MOTOR OUTLET		
	MOTOR OUTLET, ROOF MOUNTED	ROOF	
	LIGHTNING PROTECTION AIR TERMINAL	ROOF	
	LIGHTNING PROTECTION BOND PLATE		
	LIGHTNING PROTECTION GROUND ROD	GROUND	
	POKE THRU		
	UTILITY POWER POLE	SEE PLANS	
	TRANSFORMER	SEE PLANS	
	TRANSFORMER	SEE PLANS	
	EMERGENCY GENERATOR	SEE PLANS	
	CABLE TRAY		
	MAIN DISTRIBUTION POWER PANEL		
	PANEL BOARD, SURFACE	6'-6" TO TOP	(15)
	PANEL BOARD, RECESSED	6'-6" TO TOP	(15)
	2x4 LINEAR LIGHT FIXTURE	CEILING	(1) (2) (3) (16)
	2x4 LINEAR EMERGENCY LIGHT FIXTURE	CEILING	(1) (2) (3) (16)
	2x2 LINEAR LIGHT FIXTURE	CEILING	(1) (2) (3) (16)
	2x2 LINEAR EMERGENCY LIGHT FIXTURE	CEILING	(1) (2) (3) (16)
	RECESSED LIGHT FIXTURE	CEILING	(1) (3)
	RECESSED EMERGENCY LIGHT FIXTURE	CEILING	(1) (3)
	RECESSED WALL WASH LIGHT FIXTURE	CEILING	(1) (3)
	CEILING LIGHT FIXTURE	CEILING	(1) (2)
	PENDANT/CHANDELLIER LIGHT FIXTURE	SUSPENDED	(1) (2) (3)
	WALL LIGHT FIXTURE, SURFACE	AS NOTED	(1) (2)
	WALL LIGHT FIXTURE, RECESSED	AS NOTED	(1) (2)
	TRACK LIGHT FIXTURE WITH TRACK	CEILING	(1) (2) (3)
	CEILING FAN	SUSPENDED	
	FLOOD/LANDSCAPE/MONUMENT LIGHT FIXTURE	GROUND	(1) (2) (3)
	AREA LIGHT FIXTURE	POLE	(1) (2)
	EXIT SIGN, WALL	7'-6"	(1) (2) (4) (5)
	EXIT SIGN	CEILING	(1) (4) (5)
	EMERGENCY LIGHT FIXTURE, WALL	7'-6"	(1) (2)
	PHOTO-ELECTRIC CELL	AS NOTED	
	POWER PACK	CEILING	
	SLAVE PACK	CEILING	
	MINI POWER PACK	CEILING	
	EMERGENCY CONTROL UNIT	CEILING	
	DUAL TECHNOLOGY VACANCY SENSOR	CEILING	(7)
	DUAL TECHNOLOGY VAC. SENSOR, WALL	AS NOTED	(7)
	DUAL TECHNOLOGY VAC. SENSOR SWITCH, 1-BUTTON	4'-0"	(7)
	DUAL TECHNOLOGY VAC. SENSOR SWITCH, 2-BUTTON	4'-0"	(7)
	DAYLIGHT SENSOR	CEILING	
	MOTION SENSOR	AS NOTED	
	PASSIVE INFRARED SENSOR	CEILING	
	SINGLE POLE SWITCH	4'-0"	
	DOUBLE POLE, SINGLE THROW SWITCH	4'-0"	
	THREE WAY SWITCH	4'-0"	
	THREE WAY SWITCH ATTRIBUTE SIGNIFIES FIXTURE SWITCHING	4'-0"	
	FOUR WAY SWITCH	4'-0"	
	DUAL LEVEL SWITCH BANK	4'-0"	
	DIMMER SWITCH	4'-0"	
	LOW VOLTAGE SWITCH	4'-0"	
	KEYED SWITCH, SINGLE POLE	4'-0"	(15)
	7-DAY TIMER SWITCH, SINGLE POLE	4'-0"	(15)
	TIME CLOCK	AS NOTED	
	LIGHTING CONTROL PANEL, SURFACE	6'-6" TO TOP	
	LIGHTING CONTROL PANEL, RECESSED	6'-6" TO TOP	

Sheet List Table	
Sheet Number	Sheet Title
EG001	ELECTRICAL NOTES & SYMBOLS
EG501	ELECTRICAL SPECIFICATIONS
EG502	ELECTRICAL DETAILS
EG601	ELECTRICAL SCHEDULES & ONE LINE
EG602	ELECTRICAL PANEL SCHEDULES
ES101	ELECTRICAL SITE PLAN
EP101	OVERALL ELECTRICAL PLAN
EP102	ELECTRICAL ROOF PLAN

GENERAL NOTES

1. THE ELECTRICAL SYSTEMS DEFINED BY THESE PLANS AND SPECIFICATIONS ARE TO BE CONSTRUCTED AS COMPLETE AND OPERABLE SYSTEMS AND SHALL BE BID WITH THIS INTENT. THE CONTRACTOR SHALL VISIT THE SITE, READ ALL THE RELEVANT DOCUMENTS AND BECOME FAMILIAR WITH THE TYPE OF CONSTRUCTION AND WORK TO BE ACCOMPLISHED. SHOULD ANY ERROR, OMISSION OR CONFLICT EXIST IN EITHER THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING BEFORE SUBMITTING HIS BID PRICE SO A CHANGE CAN BE ISSUED IN A PRE-BID ADDENDUM. OTHERWISE, THE CONTRACTOR AND/OR EQUIPMENT SUPPLIER SHALL SUPPLY THE PROPER MATERIALS AND LABOR TO INSTALL COMPLETE AND OPERABLE SYSTEMS AT THEIR OWN EXPENSE. WHEN EACH ELECTRICAL SYSTEM IS COMPLETE, THE CONTRACTOR SHALL TEST AND CONFIRM ITS PROPER OPERATION. ANY INCOMPLETE SYSTEM SHALL BE MADE COMPLETE AND OPERABLE.
2. THE ARCHITECTURAL AND MECHANICAL PLANS ARE CONSIDERED A PART OF THE ELECTRICAL DOCUMENTS SO FAR AS ANY ELECTRICAL ITEMS THEY MAY CONTAIN. THE ELECTRICAL CONTRACTOR SHALL REFER TO AND COORDINATE WITH THEM. NO EXTRA COST SHALL BE ALLOWED FOR FAILURE TO COORDINATE THE CONTRACT DOCUMENTS WITH OTHER TRADES AND/OR IF EQUIPMENT DIMENSIONS ARE GREATER THAN SPECIFIED AND/OR DIMENSIONED ON THE PLANS.
3. NO ADDITIONS TO THE CONTRACTOR BID WILL BE ALLOWED FOR CHANGES MADE NECESSARY BY INTERFERENCE WITH OTHER WORK.
4. THE ELECTRICAL CONTRACTOR SHALL PROVIDE EQUIPMENT, MATERIALS AND LABOR FOR THE CONNECTIONS OF ALL EQUIPMENT SHOWN ON THE PLANS - ARCHITECTURAL, MECHANICAL, ETC.
5. THIS PROJECT IS TO BE INSTALLED IN STRICT ACCORDANCE WITH LOCAL AND STATE CODES AND THE NEC. IF AT ANY TIME DURING CONSTRUCTION, OR AFTER, SOMETHING IS FOUND TO BE INSTALLED IN VIOLATION OF THE CODES LISTED ABOVE, IT SHALL BE CORRECTED AT THE CONTRACTORS EXPENSE.
6. ALL EQUIPMENT PROVIDED BY THE ELECTRICAL CONTRACTOR SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING AGENCY, ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION, AND BE PROPERLY INSTALLED FOR THE CONDITIONS AND SPACE THAT EQUIPMENT IS BEING INSTALLED WITHIN.
7. THE ELECTRICAL CONTRACTOR SHALL COORDINATE AND CONFIRM THE EXACT LOCATION OF THE POWER PANELS FROM WHICH NEW CIRCUITS ARE BEING FED FROM. VERIFY EXISTING BRANCH CIRCUIT BREAKERS AND PROVIDE NEW BREAKERS AS NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM.
8. THE ELECTRICAL CONTRACTOR SHALL COORDINATE AND CONFIRM THE EXACT LOCATION OF THE TELE/DATA ROOM FROM WHICH NEW TELE/DATA OUTLETS WILL BE FED FROM. VERIFY EXISTING PATCH PANEL SPACES AND PROVIDE NEW PATCH PANELS AS NECESSARY TO LAND ALL NEW TELE/DATA CABLEING.
9. THE ELECTRICAL CONTRACTOR SHALL INSTALL A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT RUN. CONDUIT SHALL NOT BE USED AS AN EQUIPMENT GROUNDING CONDUCTOR. THE ELECTRICAL CONTRACTOR SHALL GROUND THE ELECTRICAL SYSTEM IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
10. THE ELECTRICAL CONTRACTOR SHALL CONFIRM MINIMUM CODE (NEC) WORKING CLEARANCE BEFORE INSTALLING ANY ELECTRICAL PANELS, CABINETS, DISCONNECT, TRANSFORMERS, ETC. AND SHALL MOVE THE PANELS/EQUIPMENT AT HIS EXPENSE IF REJECTED BY AN INSPECTOR. IF CLEARANCE IS NOT POSSIBLE, THE DESIGNER SHALL BE NOTIFIED IMMEDIATELY IN WRITING.
11. CONDUIT LAYOUTS SHOWN ON THE PLANS ARE DIAGRAMATIC, NOT INDICATING THE ROUTING REQUIRED. THE EC SHALL ROUTE THE CONDUITS AS REQUIRED BY THE CONDITIONS OF THE INSTALLATION AND SHALL COORDINATE WITH DUCTWORK, PIPING, EQUIPMENT, BUILDING STRUCTURE AND OTHER POTENTIAL OBSTRUCTIONS.
12. THE CONTRACTOR SHALL ALLOW THE MOVEMENT, BEFORE ROUGH-IN, OF ANY ELECTRICAL PANEL, DEVICE, LUMINAIRE, ETC. A DISTANCE OF 10 FEET WITHOUT REQUIRING ADDITIONAL COST TO THE PROJECT.
13. THE ELECTRICAL CONTRACTOR SHALL SECURE ALL CONDUIT TO THE STRUCTURE AS IT IS SET IN PLACE USING INDUSTRY STANDARD METHODS AND PRACTICES.
14. MINIMUM SIZE CONDUIT SHALL BE 3/4" ABOVE GROUND CONDUIT SHALL BE EMT WITH STEEL SET SCREW FITTINGS. UNDERGROUND CONDUIT SHALL BE PVC (SCH40) WITH GRC ELBOWS AND RISERS WRAPPED IN CORROSION RESISTANT MATERIALS WHERE IN DIRECT CONTACT WITH THE SOIL.
15. FLEXIBLE CONDUIT SHALL BE LIMITED TO CONNECTIONS TO LIGHT FIXTURES AND FINAL CONNECTIONS TO MOTORS OR OTHER EQUIPMENT SUBJECT TO VIBRATION. LENGTHS OF FLEXIBLE OR SEALTITE CONDUIT SHALL NOT BE GREATER THAN 72" INCHES.
16. WIRING DEVICES SHALL MATCH EXISTING COLOR AND FACEPLATE TYPE.
17. TO ASSURE ALL DEVICES ARE RIDGIDLY SET, THE ELECTRICAL CONTRACTOR SHALL SECURE ALL DEVICE BOXES WITH BRACKETS, HANGERS, ETC. DESIGNED FOR THE APPLICATION. ANY DEVICE BOXES NOT SECURED WILL BE MADE SECURE AT THE CONTRACTORS EXPENSE.
18. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL EMPTY CONDUITS WITH 200LB RATED NYLON PULL CORD.
19. BEFORE ANY ELECTRICAL CONDUIT, BOXES, ETC. ARE COVERED (FLOOR, CEILINGS, WALLS, ETC.), THEY SHALL BE APPROVED BY THE INSPECTING OFFICER (INSPECTOR), THE UNCOVERING AND REPLACEMENT OF ELECTRICAL WORK FOR THE INSPECTION PURPOSES WILL BE AT THE COST OF THE ELECTRICAL CONTRACTOR.
20. ALL BATTERY POWERED OR CONTINUOUS BURN LUMINAIRES SHOWN ON THE PLANS, SUCH AS EXIT LIGHTS, NIGHT LIGHTS, OR EMERGENCY LIGHTS, SHALL BE CONNECTED TO THE UN-SWITCHED LEG OF THE LIGHTING CIRCUIT FEEDING THAT AREA.
21. LUMINAIRES INSTALLED IN THE MECHANICAL ROOM SHALL BE PLACED SO THAT ALL EQUIPMENT IS ADEQUATELY ILLUMINATED AFTER THE MECHANICAL EQUIPMENT IS IN PLACE.
22. ALL LUMINAIRES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE AND NOT SOLELY FROM THE CEILING GRID OR OTHER NONSTRUCTURAL MEMBER.
23. TO MAINTAIN CONSISTENT LIGHT QUALITY, FOR ANY ONE LAMP TYPE SUPPLIED, LAMPS SHALL BE OF THE SAME MANUFACTURE, SURFACE TEMPERATURE, COLOR RENDERING INDEX, LAMP EFFICACY, LUMEN OUTPUT AND STARTING CHARACTERISTICS FOR ALL INSTALLED.
24. WHERE WIRE SIZE IS NOT SHOWN ON THE DRAWINGS FOR 20A, 120V OR 277VAC BRANCH CIRCUITS, THE CIRCUIT SHALL CONSIST OF 2#12(CU/THHN)+#12(CU/THHN) IN 3/4" EMT. THIS WIRE SIZE SHALL BE INCREASED TO #10(CU/THHN) FOR 120VAC BRANCH CIRCUITS WITH OVERALL LENGTHS EXCEEDING 125 TO ACCOMMODATE FOR VOLTAGE DROP. REFER TO EQUIPMENT SCHEDULES, FEEDER SCHEDULES AND NOTES ON DRAWINGS FOR ALL OTHER BRANCH CIRCUIT AND FEEDER WIRE/CONDUIT SIZING.
25. CONDUCTORS SHALL BE COPPER, 60/65VAC RATED, TYPE THHN/THWN-2 UNLESS OTHERWISE NOTED. CONDUCTORS SIZES UP TO #10AWG SHALL BE SOLID AND #12AWG AND LARGER SHALL BE STRANDED.
26. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH EQUIPMENT SUPPLIERS ON THE EXACT LOCATIONS OF ALL EQUIPMENT AND ELECTRICAL CONNECTIONS PRIOR TO ROUGH-IN. THE ELECTRICAL CONTRACTOR SHALL MAKE THE FINAL CONNECTION TO ALL EQUIPMENT UNLESS OTHERWISE DIRECTED BY THE EQUIPMENT SUPPLIER.
27. THE ELECTRICAL CONTRACTOR SHALL CLEAN THE ENTIRE ELECTRICAL SYSTEM AFTER COMPLETION OF THE INSTALLATION. REMOVE ALL FINGER PRINTS, FOREIGN MATTER, PAINT, DIRT, GREASE, UN-NEEDED LABELS OR STICKERS FROM FIXTURES AND EQUIPMENT. REMOVE ALL RUBBISH AND DEBRIS ACCUMULATED DURING INSTALLATION FROM THE PREMISES.
28. OBTAIN FROM SUPPLIERS ALL WIRING DIAGRAMS FOR EQUIPMENT PRIOR TO ANY ROUGH-IN. TO ASSURE THAT PROPER CHARACTERISTICS ARE PROVIDED, ANY INCORRECT WIRING OR DEVICES INSTALLED BY THE ELECTRICAL CONTRACTOR WITHOUT THE WIRING DIAGRAM SHALL BE CORRECTED AT THE CONTRACTORS EXPENSE. PROVIDE COPIES OF WIRING DIAGRAMS WITHIN EACH PIECE OF EQUIPMENT AND ADDITIONAL COPIES WITH THE OPERATION AND MAINTENANCE MANUALS.
29. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR TO PROVIDE CONDUIT AND DEVICE MOUNTING BOXES FOR THERMOSTATS AND OTHER MECHANICAL CONTROLS.
30. IT IS THE INTENT OF THE CONSTRUCTION DOCUMENTS FOR ALL DEVICES TO BE FLUSH MOUNTED AND CONDUIT/CABLEING INSTALLED CONCEALED WITHIN WALLS/CEILING. IN AREAS WHERE CONDUIT MUST BE INSTALLED EXPOSED IT SHALL BE COORDINATED WITH THE ARCHITECT AND/OR ENGINEER. ALL EFFORTS SHALL BE MADE TO CONCEAL WIRING METHODS.
31. PROVIDE AN UPDATED, TYPED PANEL CIRCUIT DIRECTORY FOR ALL PANELS WHERE CIRCUITS HAVE BEEN MODIFIED, ADDED, OR REMOVED BY THE SCOPE OF THIS PROJECT. CIRCUIT DESCRIPTIONS ON THE DIRECTORY SHALL BE UNIQUE AND INDICATE THE ROOM AND EQUIPMENT/DEVICE IT IS FEEDING.



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400 EAST
MAIN STREET
ANTAQUIN, UTAH

DATE: 09/10/202

AGENCY PROJECT NO: 2029

AGENCY PROJECT NO: 2029

CAD DWG FILE NO:

DRAWN BY: AM

DESIGNED BY: _____ RM

ARCHITECTURAL PHASE:

SHEET TITLE

ELECTRICAL SPECIFICATIONS

EG501

Luminaire Schedule General Notes:	
1	Refer to Luminaire description for fixture requirements. Manufacturers model numbers may not be specific or complete. The contractor is responsible to provide complete fixtures as described on this schedule with all mounting hardware and equipment for a complete installation.
2	Refer to the architectural reflected ceiling drawings for exact fixture locations and ceiling types. Verify exact ceiling types and bring to the attention of the architect and electrical engineer any discrepancies prior to bid. Fixtures shall match architectural ceiling types.
3	Provide all fixture support and seismic bracing to secure fixture to structure, walls and ceiling systems. Refer to mounting details for additional requirements. Provide all pole bases as shown on the details.
4	Prior approval shall be required for all manufacturers who are not listed on this schedule. The prior approvals shall be submitted to the electrical engineer (7) working days prior to the bid. Prior approvals received after this time cut-off shall not be reviewed or approved.
5	Submittals for prior approval shall be equivalent to the specified fixtures and reviewed and signed by the principle of the organization that is submitting for approval. Provide complete fixture submittals as listed in the specification. All information that does not apply to the fixture being submitted shall be crossed out. The electrical engineer shall be first in determination if the fixture is equivalent or not.
6	Fixtures that have been reviewed and approved as equivalent to the specified fixtures shall be listed in and addendum prior to bid. Light fixtures without prior approval are rejected and contractor shall base their bid on the approved listed fixtures. A verbal approval will not be given or approved by VBSA at any time.
7	Any additional time required to verify if submitted fixture meets all photometric requirements shall be paid by the agency requesting approval. Photometric point-by-point plans may be required from the agency submitting for approval indicating equivalency.
8	Color temperature for all lighting shall be 4000K unless noted otherwise in the schedule.
9	Verify exact fixture finishes with the architect prior to submittal.
10	Provide minimum 5 year warranty on all light fixtures.
11	LED light fixtures shall meet LM79 and LM80 standards with +50,000 hour L70 lamp life
12	Luminaire shall be listed per NEC 410.6.
13	Luminaires specified for fixtures with integral LEDs are total delivered fixture luminaires.
14	Fixtures identified as emergency on the plans shall be provided with an emergency battery pack or remote inverter with a 1400 lumen output minimum for each emergency fixture.

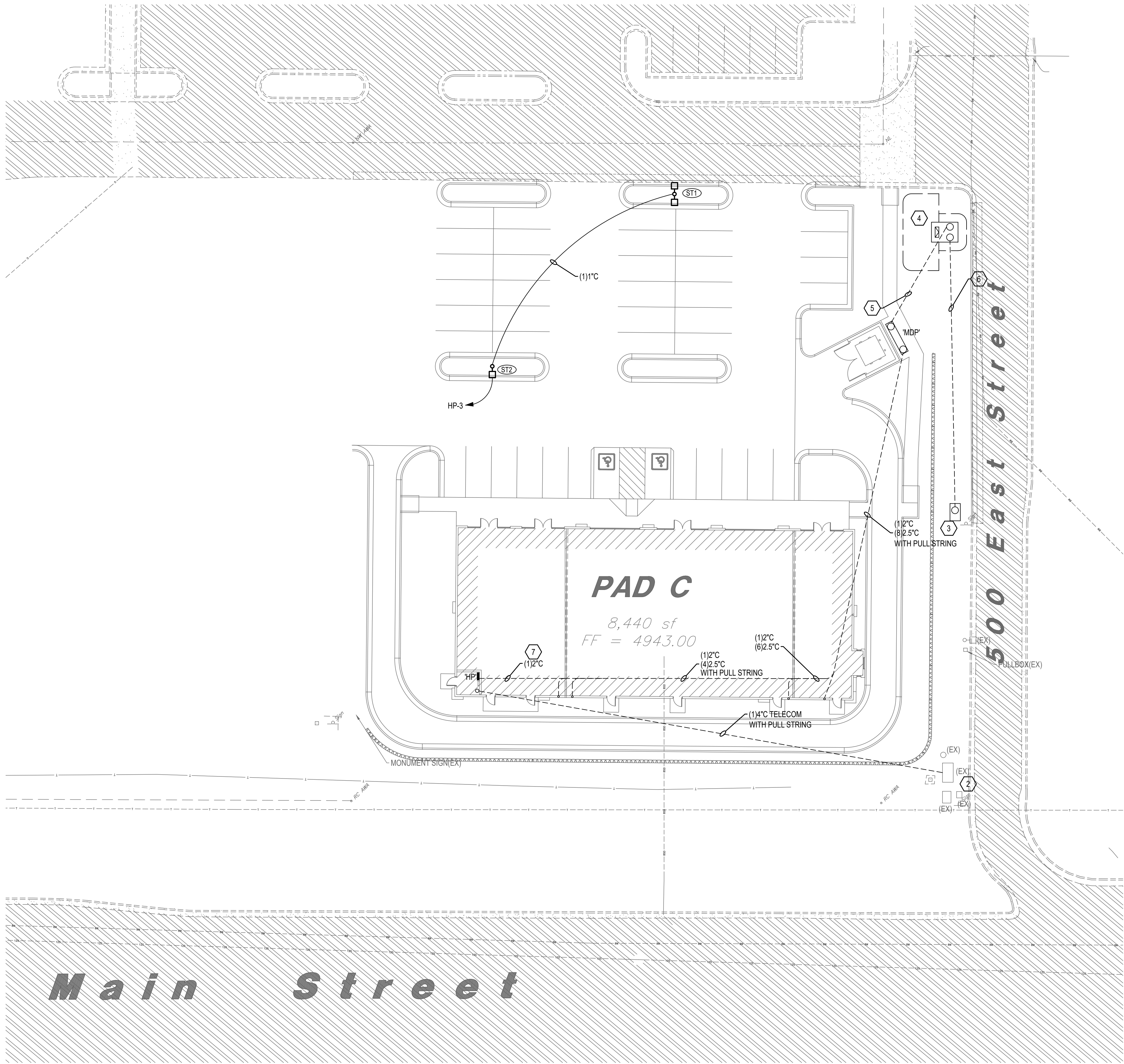


NAME: TP1		VOLTAGE: 208 / 120		MOUNTING: FLUSH		MAINS: BREAKER		DIMS. 20" W 5.75" D 68" H		SPECIAL EQUIPMENT X GROUND BUS SUB-FEED BREAKER SUB-FEED LUGS NEMA 3R SURGE PROTECTOR						
TYPE: NQ		PH 3 WIRES 4		FEED: BOTTOM		400 AMPS										
TENANT SPACE 1		AIC 14K AMPS						42 SPACES								
LOCATION																
CKT #	CIRCUIT DESCRIPTION	CODE	BRKR P	WIRE SIZE	VA LOAD	PHASE VA			VA LOAD	WIRE SIZE	BRKR P	CODE	CIRCUIT DESCRIPTION	CKT #	DF	
1	EW-H1 WATER HEATER		2	25	10	2049	A	B	C	3360	12	20	3	RTU-4	2	M
3			-	-	-	2049				5409	3360	-	-	-	4	M
5	LIGHTS		1	20	12	140				3500	3360	-	-	-	6	M
7	SPARE		1	20			0				20	1	SPARE		8	
9	SPARE		1	20				0			20	1	SPARE		10	
11	SPARE		1	20					0		20	1	SPARE		12	
13	SPARE		1	20							20	1	SPARE		14	
15	SPARE		1	20				0			20	1	SPARE		16	
17	SPARE		1	20					0		20	1	SPARE		18	
19	SPARE		1	20			0				20	1	SPARE		20	
21	SPARE		1	20				0			20	1	SPARE		22	
23	SPARE		1	20							20	1	SPARE		24	
25	SPARE		1	20							20	1	SPARE		26	
27	SPARE		1	20				0			20	1	SPARE		28	
29	SPARE		1	20					0		20	1	SPARE		30	
31	SPARE		1	20			0				20	1	SPARE		32	
33	SPARE		1	20				0			20	1	SPARE		34	
35	SPARE		1	20						0	20	1	SPARE		36	
37	SPARE		1	20						0	20	1	SPARE		38	
39	SPARE		1	20						0	20	1	SPARE		40	
41	SPARE		1	20						0	20	1	SPARE		42	
DIVERSITY FACTORS (DF):																
C=CONTINUOUS																
M=MOTOR																
L=LARGEST MOTOR																
O=OTHER																
R=RECEPTACLES																
K=KITCHEN EQUIPMENT																
CONNECTED VA 5409 5409 3500 14.3 KVA																
CONNECTED AMPS 45 45 29 39.743																
DIVERSIFIED VA 10 KVA																
DIVERSIFIED AMPS 27.974																
1= SEE DRAWINGS FOR CONDUIT & CONDUCTOR SIZE																
2= SHUNT-TRIP BREAKER																
3= GFCI BREAKER																
4= PROVIDE LOCK OFF DEVICE																
THIS PANEL, ALL OF ITS LUGS, BREAKERS, ETC. SHALL BE RATED FOR 75 °C																
NOTES:																

NAME: HP		VOLTAGE: 208 / 120		MOUNTING: FLUSH		MAINS: LUGS ONLY		DIMS. 20" W 5.75" D 68" H		SPECIAL EQUIPMENT X GROUND BUS SUB-FEED BREAKER SUB-FEED LUGS NEMA 3R SURGE PROTECTOR					
TYPE: NQ		PH 3 WIRES 4		FEED: FLUSH		100 AMPS		42 SPACES							
FIRE RISER ROOM		AIC 14K AMPS		BRKR AMP SIZE		VA LOAD		WIRE AMP P		CIRCUIT DESCRIPTION					
LOCATION															
DF	CKT #	CIRCUIT DESCRIPTION	CODE	BRKR P	WIRE SIZE	VA LOAD	PHASE VA	VA LOAD	WIRE AMP	P	CODE	CIRCUIT DESCRIPTION	CKT #	DF	
	1	SPARE		1	0		A	B	C						
	3	PARKING LOT LIGHTING		1	20 8	306	516					EXTERIOR LIGHTS	2	C	
	5	TTB RECEPTACLE		1	20 12	360	806					HEAT TRACE	4	C	
	7	SPARE		1	20			860	500	12	20 1	3	HEAT TRACE	6	C
	9	SPARE		1	20		0				0 1		SPARE	8	
	11	SPARE		1	20		360		360	12	20 1		DATA RECEPTACLE	10	R
	13	RR RECEPTACLE		1	20 12	180	720		200	20	12	20 1	PHOTOCELL	12	R
	15	RR LIGHTS		1	20 12	20	20		540	12	20 1		ROOFTOP RECEPTACLE	14	R
	17	SPARE		1	20		0				20 1		SPARE	16	M
	19	SPARE		1	20		0				20 1		SPARE	18	M
	21	SPARE		1	20		2400				20 1		SPARE	20	M
	23	FIRE ALARM FLOW BELL		1	20 12	100		2400	100	12	20 2		EH-1 HEATER	22	C
	25	SPARE		1	20		100		100	12	20 1		FACP	24	C
	27	SPARE		1	20		100		100	12	20 1		DUCT DETECTOR RELAY	28	C
	29	SPARE		1	20		0		0		20 1		SPARE	30	
	31	SPARE		1	20		0				20 1		SPARE	32	
	33	SPARE		1	20		0				20 1		SPARE	34	
	35	SPARE		1	20		0				20 1		SPARE	36	
	37	SPARE		1	20		0				20 1		SPARE	38	
	39	SPARE		1	20		0				20 1		SPARE	40	
	41	SPARE		1	20		0				20 1		SPARE	42	
DIVERSITY FACTORS (DF):															
C=CONTINUOUS															
M=MOTOR															
L=LARGEST MOTOR															
O=OTHER															
R=RECEPTACLES															
K=KITCHEN EQUIPMENT															
CONNECTED VA 1336 3686 1160 6.2 KVA															
CONNECTED AMPS 11 31 10 17.6 A															
DIVERSIFIED VA 7 KVA															
DIVERSIFIED AMPS 20.24 A															
CODES:															
1= SEE DRAWINGS FOR CONDUIT & CONDUCTOR SIZE															
2= SHUNT-TRIP BREAKER															
3= GFCI BREAKER															
4= PROVIDE LOCK OFF DEVICE															
THIS PANEL, ALL OF ITS LUGS, BREAKERS, ETC. SHALL BE RATED FOR 75° C															
NOTES:															

NAME: TP2		VOLTAGE: 208 / 120		MOUNTING: FLUSH		MAINS: BREAKER		DIMS. 20" W 5.75" D 68" H		SPECIAL EQUIPMENT X GROUND BUS SUB-FEED BREAKER SUB-FEED LUGS NEMA 3R SURGE PROTECTOR								
TYPE: NQ		PH 3 WIRES 4		FEED: BOTTOM		400 AMPS		42 SPACES										
TENANT SPACE 2		AIC 14K AMPS																
LOCATION																		
DF	CKT #	CIRCUIT DESCRIPTION	CODE	P	BRKR AMP	WIRE SIZE	VA LOAD	A	B	C	VA LOAD	WIRE SIZE	BRKR AMP	P	CODE	CIRCUIT DESCRIPTION	CKT #	DF
M	1	RTU-2	-	-	3 50	8	4800	5140								LIGHTS	2	C
M	3	-	-	-	-	-	4800		4800			20 1				SPARE	4	
M	5	-	-	-	-	-	4800			4800		20 1				SPARE	6	
M	7	RTU-3	-	-	3 50	8	4800	4800				20 1				SPARE	8	
M	9	-	-	-	-	-	4800		4800			20 1				SPARE	10	
M	11	-	-	-	-	-	4800			4800		20 1				SPARE	12	
	13	SPARE			1 20			0				20 1				SPARE	14	
	15	SPARE			1 20				0			20 1				SPARE	16	
	17	SPARE			1 20					0		20 1				SPARE	18	
	19	SPARE			1 20			0				20 1				SPARE	20	
	21	SPARE			1 20				0			20 1				SPARE	22	
	23	SPARE			1 20					0		20 1				SPARE	24	
	25	SPARE			1 20			0				20 1				SPARE	26	
	27	SPARE			1 20				0			20 1				SPARE	28	
	29	SPARE			1 20					0		20 1				SPARE	30	
	31	SPARE			1 20						0	20 1				SPARE	32	
	33	SPARE			1 20				0			20 1				SPARE	34	
	35	SPARE			1 20					0		20 1				SPARE	36	
	37	SPARE			1 20			0				20 1				SPARE	38	
	39	SPARE			1 20						0	20 1				SPARE	40	
	41	SPARE			1 20							20 1				SPARE	42	
DIVERSITY FACTORS (DF):																		
C-CONTINUOUS																		
M-MOTOR																		
L-LARGEST MOTOR																		
O-OTHER																		
R-RECEPTACLES																		
K-KITCHEN EQUIPMENT																		
NOTES:																		
THIS PANEL, ALL OF ITS LUGS, BREAKERS, ETC. SHALL BE RATED FOR 75°C.																		

NAME: TP4		VOLTAGE: 208 / 120		MOUNTING: FLUSH		MAINS: BREAKER		DIMS. 20" W 5.75" D 68" H		SPECIAL EQUIPMENT X GROUND BUS SUB-FEED BREAKER SUB-FEED LUGS NEMA 3R SURGE PROTECTOR					
TYPE: NQ		PH 3 WIRES 4		FEED: BOTTOM		200 AMPS		42 SPACES							
TENANT SPACE 3		AIC 14K AMPS													
LOCATION															
DF	CKT #	CIRCUIT DESCRIPTION	CODE	P	BRKR AMP	WIRE SIZE	VA LOAD	PHASE VA	VA LOAD	WIRE SIZE	BRKR AMP	CODE	CIRCUIT DESCRIPTION	CKT #	DF
M	1	RTU-1		3	50	8	4800	5004	A B C	204	12	20 1	LIGHTING	2	C
M	3			-	-	-	4800	4800			20 1		SPARE	4	
M	5			-	-	-	4800	4800			20 1		SPARE	6	
	7	SPARE		1	20		0				20 1		SPARE	8	
	9	SPARE		1	20			0			20 1		SPARE	10	
	11	SPARE		1	20			0			20 1		SPARE	12	
	13	SPARE		1	20		0				20 1		SPARE	14	
	15	SPARE		1	20			0			20 1		SPARE	16	
	17	SPARE		1	20				0		20 1		SPARE	18	
	19	SPARE		1	20		0				20 1		SPARE	20	
	21	SPARE		1	20			0			20 1		SPARE	22	
	23	SPARE		1	20				0		20 1		SPARE	24	
	25	SPARE		1	20		0				20 1		SPARE	26	
	27	SPARE		1	20			0			20 1		SPARE	28	
	29	SPARE		1	20				0		20 1		SPARE	30	
	31	SPARE		1	20		0				20 1		SPARE	32	
	33	SPARE		1	20			0			20 1		SPARE	34	
	35	SPARE		1	20				0		20 1		SPARE	36	
	37	SPARE		1	20		0				20 1		SPARE	38	
	39	SPARE		1	20			0			20 1		SPARE	40	
	41	SPARE		1	20			0			20 1		SPARE	42	
DIVERSITY FACTORS (DF):															
C-CONTINUOUS															
M-MOTOR															
L-LARGEST MOTOR															
R-RECEPTACLES															
K-KITCHEN EQUIPMENT															
CONNECTED VA													5004		
CONNECTED AMPS													42		
DIVERSIFIED VA													40		
DIVERSIFIED AMPS													40.678 A		
CODES:													1 = SEE DRAWINGS FOR CONDUIT & CONDUCTOR SIZE		
													2 = SHUNT-TRIP BREAKER		
													3 = GFCI BREAKER		
													4 = PROVIDE LOCK OFF DEVICE		
THIS PANEL, ALL OF ITS LUGS, BREAKERS, ETC. SHALL BE RATED FOR 1% TC															
NOTES:															



- # KEYED NOTES
1.

PROPOSED LOCATION OF CONCRETE PAD MOUNTED MAIN SERVICE DISCONNECT AND DISTRIBUTION BOARD "MDP" WITH INTEGRAL METERS FOR EACH SPACE.
2.

LOCATION OF EXISTING CENTURY LINK IN-GRADE PULLBOX.
3.

APPROXIMATE LOCATION OF EXISTING SECTIONALIZING CABINET.
4.

PROPOSED LOCATION OF NEW PAD MOUNT TRANSFORMER. COORDINATE WITH POWER COMPANY PRIOR TO ROUGH-IN. TRANSFORMER BY LOCAL POWER COMPANY. CONCRETE PAD BY ELECTRICAL CONTRACTOR. REFER TO ONE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
5.

SEE ONE-LINE DIAGRAM SHEET E0601 FOR CONDUIT SIZE AND QUANTITY. EC SHALL BE RESPONSIBLE FOR ALL TRENCHING, INSTALLATION OF CONDUIT AND WIRE AND BACKFILL.
6.

EC SHALL TRENCH, PROVIDE AND INSTALL 1/4\"/>
- N

1

ES101

ELECTRICAL SITE PLAN

SCALE: 1'-0" = 20'-0"
- design

Sequence

350 SOUTH 200 EAST, #106

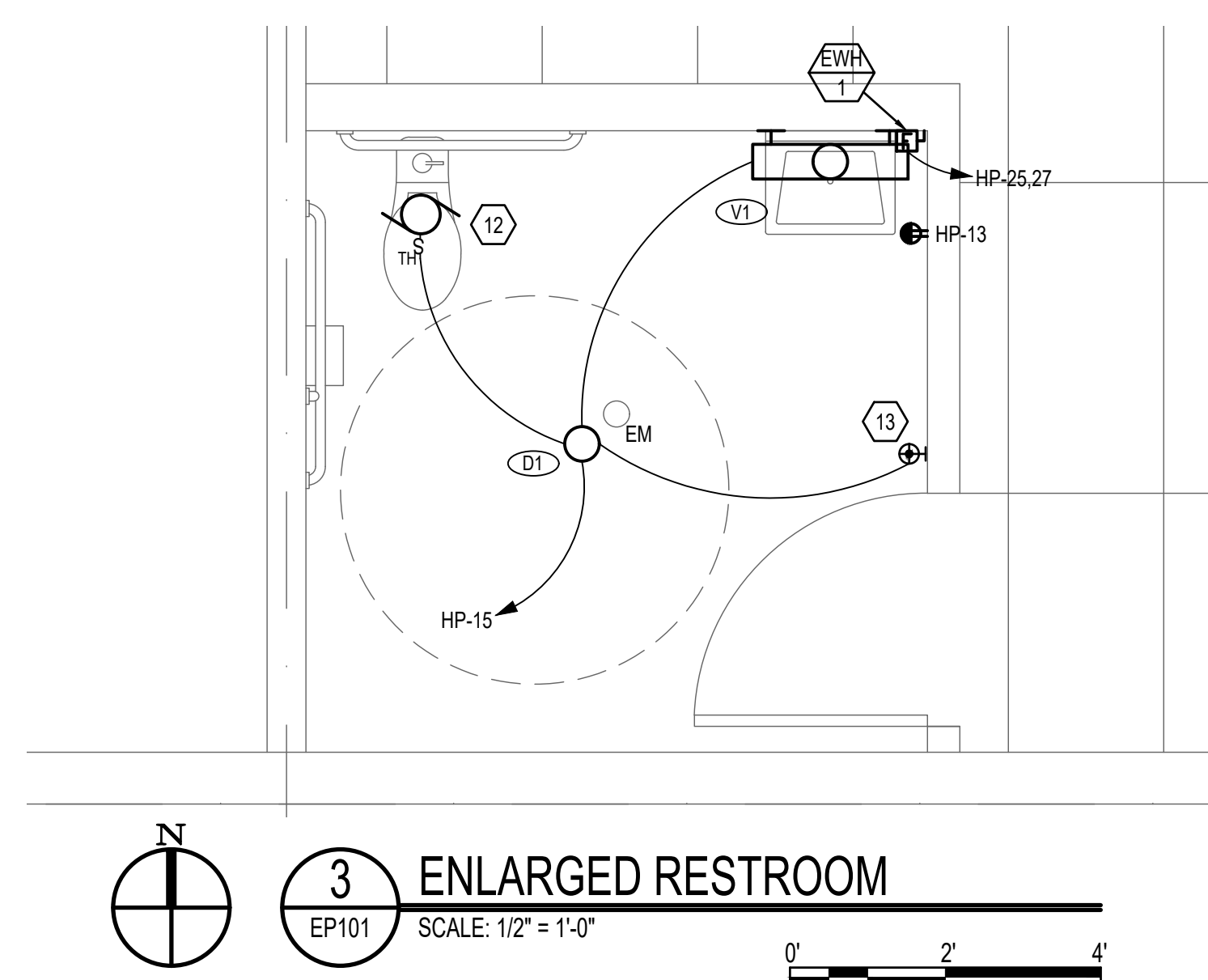
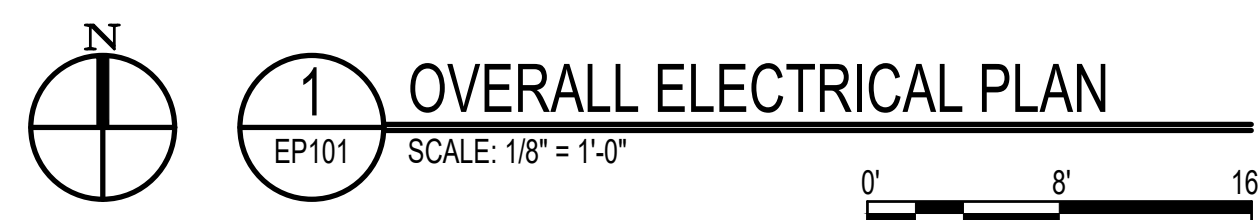
SALT LAKE CITY, UTAH 84111

P: 801.596.0691

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SANTAQUIN, UTAH
- | MARK | DATE | DESCRIPTION |
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| DATE: | 09/10/2020 |
| AGENCY PROJECT NO: | 20294 |
| DESIGN SEQUENCE PROJECT NO: | 1708.01 |
| CAD DWG FILE NO: | |
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| DRAWN BY: | AMC |
| DESIGNED BY: | KMC |
| DWG TYPE: | |
| ARCHITECTURAL PHASE: | PERMIT SET |
- SHEET TITLE
- ELECTRICAL SITE PLAN
- ES101
- 41

2. PROPOSED LOCATION OF HOUSE PANEL.
3. EC SHALL STUB CONDUIT FROM INDIVIDUAL METER AND BREAKER SECTION INTO EACH SPACE AS SHOWN FOR FUTURE TENANT IMPROVEMENT BUILD-OUT.
4. PROVIDE AND INSTALL A 7-DAY PROGRAMMABLE TIME CLOCK TO CONTROL THE LIGHTING THROUGH THE PHOTOCELL ON THE EXTERIOR.
5. PROVIDE AND INSTALL A FIRE ALARM FLOW BELL ON EXTERIOR OF BUILDING.
6. EC SHALL COORDINATE WITH MECHANICAL AND FIRE SPRINKLER CONTRACTOR FOR EXACT LOCATION OF FIRE RISER. PROVIDE ALL REQUIRED MONTOR MODULES, FLOW, TAMPER, AND PRESSURE SWITCHES REQUIRED.
7. PROVIDE AN UNSWITCHED HOT CONDUCTOR TO EXIT SIGN.
8. COORDINATE EXACT HEIGHT OF ALL EXTERIOR LIGHTING WITH ARCHITECT PRIOR TO R.O.U.N.
9. PROVIDE AND INSTALL A J-BOX ON EXTERIOR OF BUILDING FOR LIGHT SIGNAL WITH 1/8"x4" STUBBED INTO SPACE.
10. THIS LIGHT SHALL BE WIRRED AS NIGHT LIGHT FOR CONSTANT ON.
11. STUB 1/2"x2" INTO SPACE FROM METER LOCATION FOR FUTURE ELECTRICAL SERVICE TO SPACE. CONDUIT SHALL BE STUBBED IN AND EXTEND TO THE EXTERIOR OF THE BUILDING. STUB CONDUIT OUT 2'FT FROM WALL ABOVE CEILING LABEL FOR USE.
12. PROVIDE A BASIC FIRE ALARM CONTROL PANEL TO MONITOR THE FLOW, TAMPER SWITCHES AND LIGHT DETECTORS REQUIRED ON PROJECT.
13. RESTROOM EXHAUST FAN. EC SHALL TIE INTO LIGHTING CIRCUIT AND CONTROL.
14. FURNISH AND INSTALL A DUAL ZONE DUAL TECHNOLOGY WALL BOX OCCUPANCY SENSOR TO CONTROL THE LIGHTS AND EXHAUST FAN IN THE ROOM SEPARATELY. ZONE FOR EXHAUST FAN SHALL HAVE ADJUSTABLE 30 MINUTE MAXIMUM TIME DELAY AFTER LIGHTS TURN OFF UNTIL THE DELAY FOR LIGHTS TO BE 15 MINUTE MINIMUM. TIME DELAYS PER OWNER'S REQUIREMENTS.



SANTAQUIN CITY
PAD 'C'

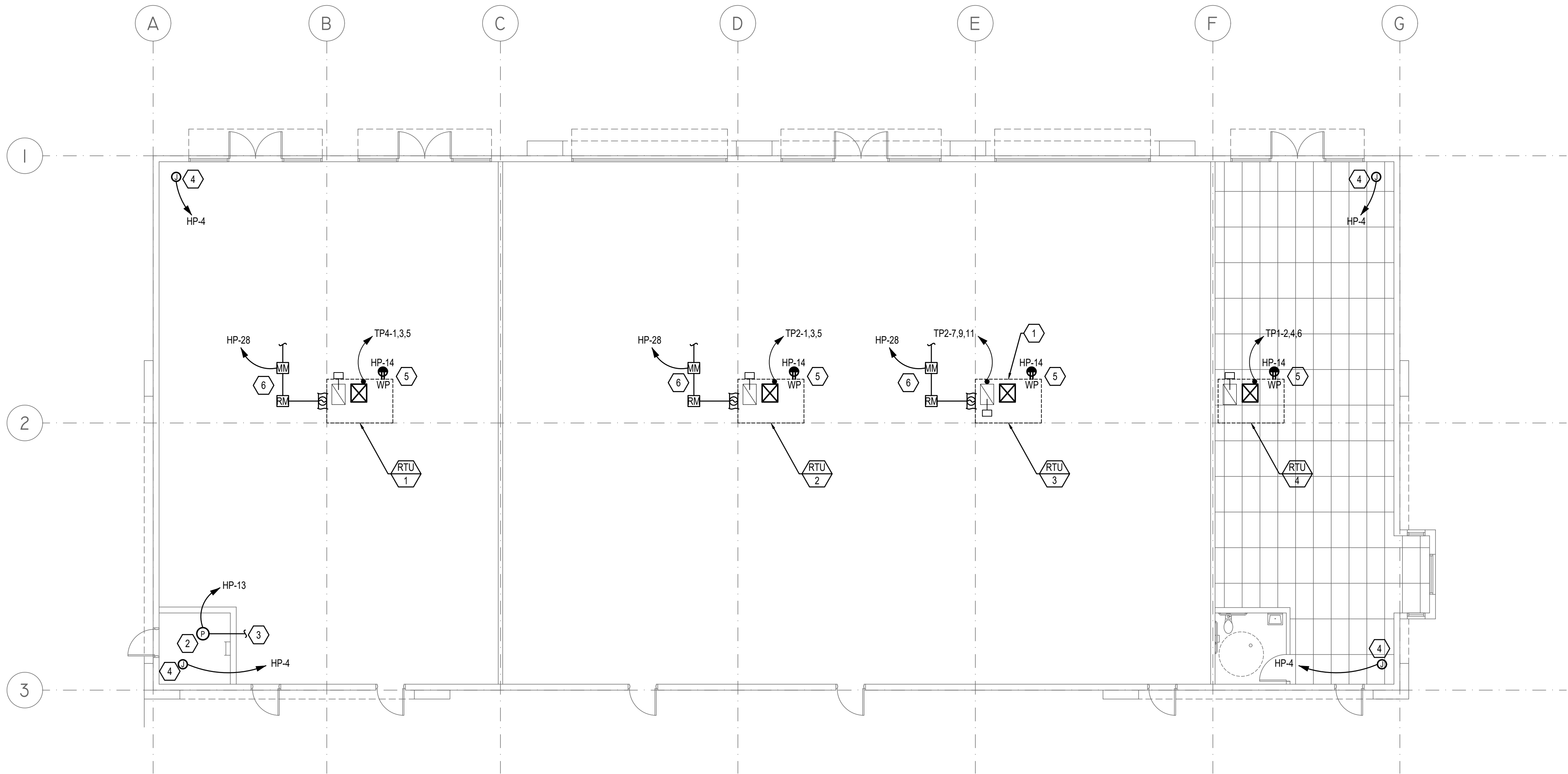
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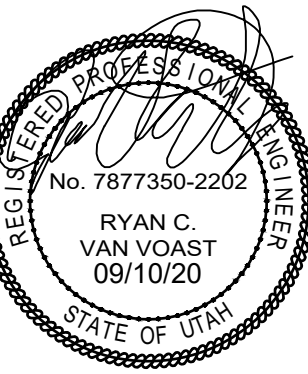
EP101

KEYED NOTES

1. ROOF TOP UNIT FOR FUTURE TENANT. THIS UNIT WILL BE PROVIDED WITH POWER WHEN THE TENANT IMPROVEMENT IS DESIGNED. EC SHALL PROVIDE (1)3/4" FROM RTU FACTORY DISCONNECT AND STUB DOWN INTO SPACE FOR FUTURE WIRING.
2. PROVIDE AND INSTALL A PHOTOCELL ON THE ROOF FOR AUTO ON/OFF OF THE EXTERIOR LIGHTING.
3. TIE INTO TIME CLOCK.
4. PROVIDE AND INSTALL SELF REGULATED HEAT TAPE FOR EACH ROOF DRAIN. RUN TAPE ALL THE WAY TO BOTTOM OF DRAIN AND LOOP BACK UP AT BOTTOM. PROVIDE ALL REQUIRED CONTROL AND SENSORS FOR HEAT TRACE TO TURN ON/OFF BASED ON AMBIENT AIR TEMPERATURE AND/OR MOISTURE DETECTION.
5. GFCI RECEPTACLE PROVIDED WITH RTU UNIT BY MANUFACTURER. EC SHALL CIRCUIT TO HOUSE PANEL CIRCUIT AS INDICATED.
6. DUCT DETECTOR PROVIDED AND INSTALLED BY RTU MANUFACTURER. EC SHALL CONNECT AND PROVIDE RELAY AND MONITOR MODULES AS REQUIRED. PROVIDE CONDUIT AND WIRE TO CONNECT TO FIRE ALARM CONTROL PANEL.



1 ELECTRICAL ROOF PLAN
EP102 SCALE: 1/4" = 1'-0"



SANTAQUIN CITY
PAD 'C'

400 EAST
MAIN STREET
SANTAQUIN, UTAH

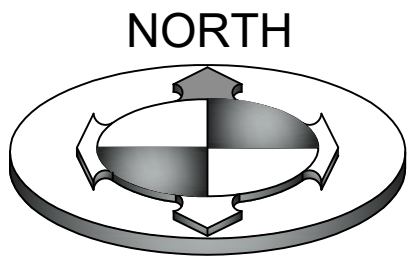
MARK	DATE	DESCRIPTION
DATE:		09/10/2020
AGENCY PROJECT NO:		20294
DESIGN SEQUENCE PROJECT NO:		1708.01
CAD DWG FILE NO:		
DRAWN BY:		AMC
DESIGNED BY:		KMC
DWG TYPE:		
ARCHITECTURAL PHASE:		PERMIT SET
SHEET TITLE		

ELECTRICAL ROOF PLAN

EP102

SUBDIVISION GENERAL NOTES:

- REBAR & CAP SHALL BE SET AT ALL REAR LOT CORNERS AND NAIL & WASHER SHALL BE SET IN THE CURB ON THE LOT LINE EXTENDED FOR LOTS FRONTING PUBLIC ROADS UNLESS OTHERWISE NOTED HEREON.
- 10 FOOT PUBLIC UTILITY EASEMENT (PUE) ALONG LOT LINES ABUTTING PUBLIC STREETS.
- OCCUPANCY RESTRICTION NOTICE:
IT IS UNLAWFUL TO OCCUPY ANY BUILDING LOCATED WITH THIS SUBDIVISION WITHOUT HAVING FIRST OBTAINED A CERTIFICATE OF OCCUPANCY ISSUED BY SATAQUIN CITY.
- THE BUILDING ENVELOPES REFLECTED ON THIS PLAT ARE BASED ON THE ZONING REQUIREMENTS AT THE TIME OF RECORDATION. THE BUILDING ENVELOPES COULD BE MODIFIED IF A REZONE IS APPROVED.
- SUBJECT TO EASEMENT AND CONDITIONS CONTAINED THEREIN WITH APPLGATE, LLC, GRANTOR AND THE UTAH DEPARTMENT OF TRANSPORTATION, GRANTEE FOR THE PURPOSE OF A TEMPORARY EASEMENT, DATED APRIL 4, 2008, AND RECORDED APRIL 9, 2008, AS ENTRY NO. 41913:2008.



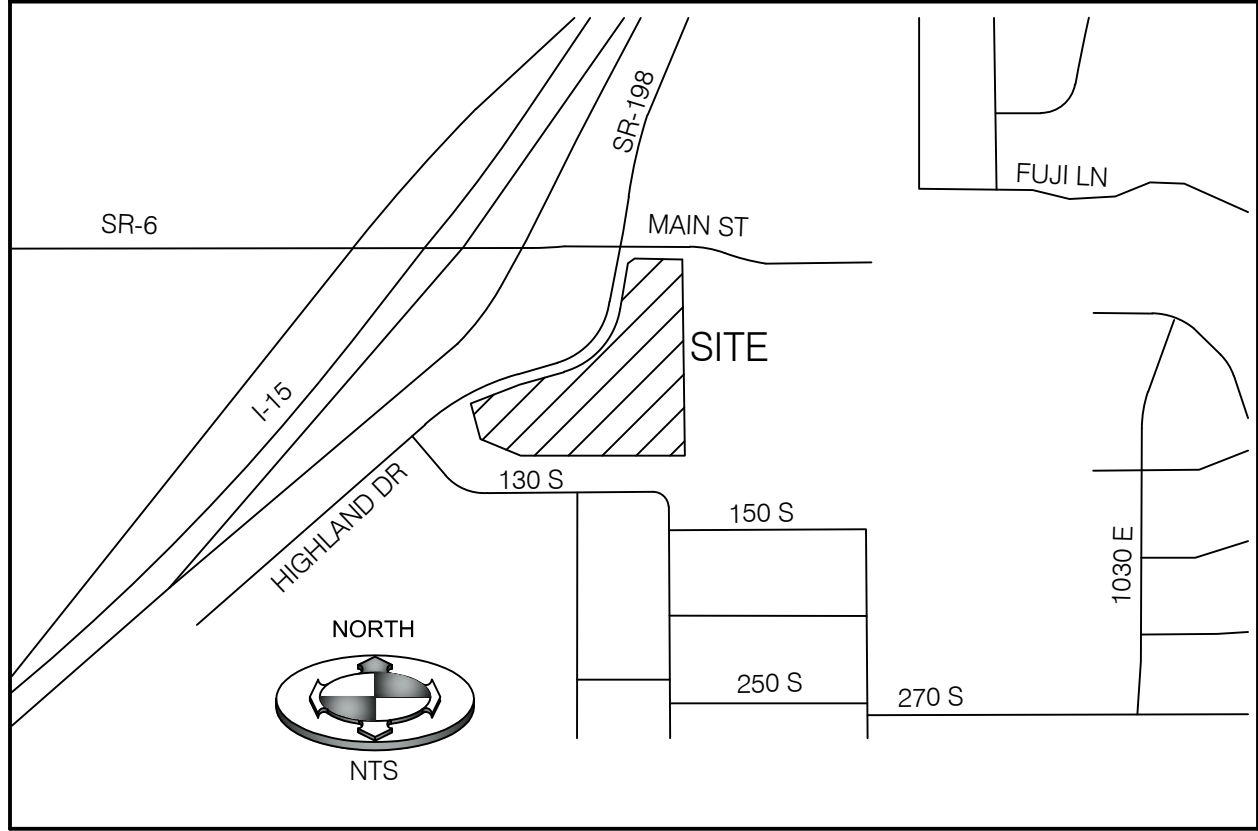
GRAPHIC SCALE

(IN FEET)
1 inch = 40ft.

LEGEND

- SECTION CORNER (FOUND)
- BOUNDARY CORNER SET 5/8"x24" REBAR AND CAP STAMPED "BENCHMARK ENG." OR NAIL & WASHER
- SECTION LINE
- BOUNDARY LINE
- ADJACENT PROPERTY
- RIGHT OF WAY LINE
- EASEMENT LINE
- SETBACK LINE

VICINITY MAP



PARKER VIEW SUBDIVISION PLAT "A"

ALSO AMENDING PARCEL 5, MAVERIK SUBDIVISION

LOCATED IN THE SOUTHEAST QUARTER OF SECTION 1,
TOWNSHIP 10 SOUTH, RANGE 1 EAST,
SALT LAKE BASE AND MERIDIAN
SANTAQUIN CITY, UTAH COUNTY, UTAH

LINE TABLE			CURVE TABLE						
LINE #	BEARING	DISTANCE	CURVE #	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD DISTANCE	
L1	S 31°51'10" E	23.41'	C1	76.45'	50.00'	87°36'07"	S 75°39'13" E	69.22'	
L2	S 63°03'13" W	27.46'	C2	48.64'	110.00'	25°20'00"	S 59°33'50" E	48.24'	
L3	N 60°32'43" E	19.16'	C3	80.23'	284.00'	16°11'13"	S 66°14'26" W	79.97'	
L4	S 31°51'10" E	23.86'	C4	237.30'	284.00'	47°52'24"	S 34°12'38" W	230.45'	
L5	S 60°32'43" W	19.16'	C5	237.30'	284.00'	47°52'24"	S 34°12'38" W	230.45'	
L6	S 31°51'10" E	23.86'	C6	51.98'	34.00'	87°36'07"	S 75°39'13" E	47.07'	
			C7	98.02'	66.00'	85°05'37"	S 74°23'58" E	89.26'	

L=171.50
R=716.00
Δ=13°43'25"
CH=N 67°28'20" E
CL=171.09

L=317.53
R=284.00
Δ=64°03'37"
CH=N 42°18'15" E
CL=301.25

HIGBEE, DAVID & ANNETTE, JT
LOT 48, SANTAQUIN RIDGE
PARCEL # 52-725-0076

VAZQUEZ, VALENTIN
LOT 48, SANTAQUIN RIDGE
PARCEL # 52-725-0077

BECK, ANDREW P
LOT 47, SANTAQUIN RIDGE
PARCEL # 52-725-0084

JOLLEY, WESTON
LOT 46, SANTAQUIN RIDGE
PARCEL # 52-725-0086

ZOUJIN, MARK
LOT 45, SANTAQUIN RIDGE
PARCEL # 52-725-0085

WALKER, MIKE & DEBRA, JT
LOT 44, SANTAQUIN RIDGE
PARCEL # 52-725-0084

BOYACK, MARY JANIE (ET AL)
LOT 43, SANTAQUIN RIDGE
PARCEL # 52-725-0083

ZAMBRANO, NORMA & ABRAHAM
LOT 42, SANTAQUIN RIDGE
PARCEL # 52-725-0082

SEASONS OF SANTAQUIN LLC
PARCEL # 06-334-0001

DEVELOPER/OWNER
CHUCK PETERSON
55 HIGHLAND DR.
SANTAQUIN, UT
775-340-2391



9138 SOUTH STATE STREET SUITE # 100
SANDY, UTAH 84070 (801) 542-7192
www.benchmarkcivil.com

DOMINION ENERGY CORPORATION	ROCKY MOUNTAIN POWER
DOMINION ENERGY CORPORATION APPROVES THIS PLAT SOLELY FOR THE PURPOSE OF CONFIRMING THAT THE PLAT CONTAINS PUBLIC UTILITY EASEMENTS. DOMINION ENERGY CORPORATION MAY REQUIRE OTHER EASEMENTS IN ORDER TO SERVE THIS DEVELOPMENT. THIS APPROVAL DOES NOT CONSTITUTE ABROGATION OR WAIVER OF ANY OTHER EXISTING RIGHTS, OBLIGATIONS OR LIABILITIES PROVIDED BY LAW OR EQUITY. THIS APPROVAL DOES NOT CONSTITUTE ACCEPTANCE, APPROVAL OR ACKNOWLEDGEMENT OF ANY TERMS CONTAINED IN THE PLAT, INCLUDING THOSE SET FORTH IN THE OWNERS DEDICATION AND THE NOTES AND DOES NOT CONSTITUTE A GUARANTEE OF PARTICULAR TERMS OF NATURAL GAS SERVICE. FOR FURTHER INFORMATION PLEASE CONTACT DOMINION ENERGY CORPORATION'S RIGHT-OF-WAY DEPARTMENT AT 800-366-8532.	1. PURSUANT TO UTAH CODE ANN. 54-3-27 THIS PLAT CONVEYS TO THE OWNER(S) OR OPERATORS OF UTILITY FACILITIES A PUBLIC UTILITY EASEMENT ALONG WITH ALL THE RIGHTS AND DUTIES DESCRIBED THEREIN. 2. PURSUANT TO UTAH CODE ANN. 17-27a-603(4)(c)(ii) ROCKY MOUNTAIN POWER ACCEPTS DELIVERY OF THE PUE AS DESCRIBED IN THIS PLAT AND APPROVES THIS PLAT SOLELY FOR THE PURPOSE OF CONFIRMING THAT THE PLAT CONTAINS PUBLIC UTILITY EASEMENTS AND APPROXIMATES THE LOCATION OF THE PUBLIC UTILITY EASEMENTS, BUT DOES NOT WARRANT THEIR PRECISE LOCATION. ROCKY MOUNTAIN POWER MAY REQUIRE OTHER EASEMENTS IN ORDER TO SERVE THIS DEVELOPMENT. THIS APPROVAL DOES NOT AFFECT ANY RIGHT THAT ROCKY MOUNTAIN POWER HAS UNDER: a. A RECORDED EASEMENT OR RIGHT-OF-WAY b. THE LAW APPLICABLE TO PRESCRIPTIVE RIGHTS c. TITLE 54, CHAPTER 8a, DAMAGE TO UNDERGROUND UTILITY FACILITIES OR d. ANY OTHER PROVISION OF LAW
APPROVED THIS ____ DAY OF _____ 20 ____	APPROVED THIS ____ DAY OF _____ 20 ____
DOMINION ENERGY CORPORATION	ROCKY MOUNTAIN POWER

CITY UTILITIES APPROVAL	
CULINARY WATER / PRESSURE IRRIGATION	
PUBLIC WORKS DIRECTOR _____ DATE _____	
SEWER / STORM DRAIN	
PUBLIC WORKS DIRECTOR _____ DATE _____	

COMCAST	DATE _____
CENTURY LINK	DATE _____
	DATE _____

SURVEYOR'S SEAL



CITY ENGINEER SEAL

CLERK-RECORDER
SEAL

UTAH COUNTY RECORDER

SURVEYOR'S CERTIFICATE

I, BRIAN A. LINAM DO HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL LAND SURVEYOR, AND THAT I HOLD CERTIFICATE NO. 7240531, AS PRESCRIBED UNDER THE LAWS OF THE STATE OF UTAH. I FURTHER CERTIFY THAT BY AUTHORITY OF THE OWNERS, A SURVEY HAS BEEN MADE OF THE TRACT OF LAND SHOWN ON THIS PLAT AND DESCRIBED BELOW, AND HAVE SUBDIVIDED SAID TRACT OF LAND INTO LOTS AND EASEMENTS HEREAFTER TO BE KNOWN AS:

PARKER VIEW SUBDIVISION PLAT "A"
ALSO AMENDING PARCEL 5, MAVERIK SUBDIVISION

AND THAT THE SAME HAS BEEN CORRECTLY SURVEYED AND STAKED ON THE GROUND AS SHOWN ON THIS PLAT. I FURTHER CERTIFY THAT ALL LOTS MEET MINIMUM AREA, WIDTH AND FRONTAGE REQUIREMENTS OF THE APPLICABLE ZONING ORDINANCE.

BOUNDARY DESCRIPTION

A TRACT OF LAND LOCATED IN THE SOUTHEAST QUARTER OF SECTION 1, TOWNSHIP 10 SOUTH, RANGE 1 EAST, CONSISTING OF THE LAND DESCRIBED IN THAT CERTAIN SPECIAL WARRANTY DEED RECORDED OCTOBER 26, 2018, AS ENTRY NO. 103025:2018 ON FILE AT THE OFFICE OF THE UTAH COUNTY RECORDER, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE SOUTHERLY LINE OF MAIN STREET, SAID POINT BEING SOUTH 00°05'50" EAST 57.22 FEET ALONG THE SECTION LINE AND WEST 660.20 FEET FROM THE EAST QUARTER CORNER OF SAID SECTION 1, AND RUNNING THENCE SOUTH 00°26'12" EAST 73.48 FEET, THENCE SOUTH 89°15'34" EAST 1.47 FEET; THENCE SOUTH 00°26'12" EAST 554.30 FEET; THENCE WEST 525.90 FEET; THENCE NORTH 67°06'12" WEST 143.19 FEET; THENCE NORTH 14°42'00" WEST 111.32 FEET TO THE EASTERLY RIGHT OF WAY LINE OF HIGHLAND DRIVE; THENCE ALONG SAID EASTERLY LINE THE FOLLOWING (4) FOUR COURSES: 1) NORTHEASTERLY 171.50 FEET ALONG THE ARC OF A 716.00 FOOT RADIUS CURVE TO THE RIGHT, CHORD BEARS NORTH 67°28'20" EAST 171.09 FEET; 2) NORTH 74°20'02" EAST 125.98 FEET; 3) NORTHEASTERLY 317.53 FEET ALONG THE ARC OF A 284.00 FOOT RADIUS TANGENT CURVE TO THE LEFT, CHORD BEARS NORTH 42°18'15" EAST 301.25 FEET; 4) NORTH 10°16'26" EAST 128.41 FEET TO SAID SOUTHERLY LINE OF MAIN STREET; THENCE ALONG SAID SOUTHERLY LINE THE FOLLOWING (2) TWO COURSES: 1) NORTH 50°16'36" EAST 25.68 FEET; 2) SOUTH 89°43'34" EAST 155.06 FEET TO THE POINT OF BEGINNING.

CONTAINS: 246,271 SQ FT OR 5.654 ACRES, MORE OR LESS
3 LOTS

(BASIS OF BEARINGS: SOUTH 00°05'50" EAST BETWEEN THE EAST QUARTER OF SECTION 1 TOWNSHIP 10 SOUTH, RANGE 1 EAST SALT LAKE BASE & MERIDIAN AND THE SOUTHEAST QUARTER OF SAID SECTION 1 (DATUM: NAD83)

OWNER'S DEDICATION

KNOW ALL MEN BY THESE PRESENTS THAT WE, THE UNDERSIGNED OWNER OF THE ABOVE DESCRIBED TRACT OF LAND, HAVING CAUSED SAME TO BE SUBDIVIDED INTO LOTS, TOGETHER WITH EASEMENTS AS SET FORTH TO BE HEREAFTER KNOWN AS PARKER VIEW SUBDIVISION PLAT "A" AND DO HEREBY DEDICATE FOR THE PERPETUAL USE OF THE PUBLIC ALL ROADS AND OTHER AREAS SHOWN ON THIS PLAT AS INTENDED FOR PUBLIC USE. THE UNDERSIGNED ALSO DO HEREBY CONVEY TO ANY AND ALL PUBLIC UTILITY COMPANIES A PERPETUAL NON-EXCLUSIVE EASEMENT OVER THE PUBLIC UTILITY EASEMENTS SHOWN ON THIS PLAT, THE SAME TO BE USED FOR THE INSTALLATION, MAINTENANCE AND OPERATION OF UTILITY LINES AND FACILITIES. THE UNDERSIGNED OWNERS ALSO HEREBY CONVEYS ANY OTHER EASEMENTS AS SHOWN OR NOTED ON THIS PLAT TO THE PARTIES INDICATED AND FOR THE PURPOSES SHOWN AND/OR NOTED HEREON.

IN WITNESS WHEREOF, WE HAVE HEREUNTO SET OUR HAND THIS ____ DAY OF _____, 2020.

BIG FOOT HOLDINGS UTAH, LLC

SIGNATURE

PRINT NAME: _____
TITLE: _____

ACKNOWLEDGMENT

STATE OF UTAH } S.S.
County of Salt Lake }
ON THIS ____ DAY OF _____, IN THE YEAR 20____, BEFORE ME _____, A NOTARY PUBLIC, PERSONALLY APPEARED _____ THE _____ OF BIG FOOT HOLDINGS UTAH, LLC PROVED ON THE BASIS OF SATISFACTORY EVIDENCE TO BE THE PERSON(S) WHOSE NAME(S) IS/ARE SUBSCRIBED TO IN THE FOREGOING OWNER'S DEDICATION WAS SIGNED BY HIM/HER ON BEHALF OF SAID BIG FOOT HOLDINGS, LLC AND ACKNOWLEDGED THAT HE/SHE/THEY EXECUTED THE SAME.

MY COMMISSION EXPIRES: _____ (DATE) COMMISSION NUMBER: _____

PRINT NAME

(SIGNED) A NOTARY PUBLIC
COMMISSIONED IN UTAH

PLANNING COMMISSION APPROVAL

APPROVED THIS ____ DAY OF _____ A.D., 20____, BY THE

PLANNING COMMISSION.

DIRECTOR - SECRETARY

CHAIRMAN, PLANNING COMMISSION

PARKER VIEW SUBDIVISION PLAT "A"
ALSO AMENDING PARCEL 5, MAVERIK SUBDIVISION

LOCATED IN THE SOUTHEAST QUARTER OF SECTION 1,
TOWNSHIP 10 SOUTH, RANGE 1 EAST,
SALT LAKE BASE AND MERIDIAN
SANTAQUIN CITY, UTAH COUNTY, UTAH

SHEET 1 OF 1