SANTAQUIN PAD C SEQUENCE 350 SOUTH 200 EAST, #106 SALT LAKE CITY, UTAH 84111 P: 801.596.0691 DESIGNUTAH.COM

SANTAQUIN, UTAH

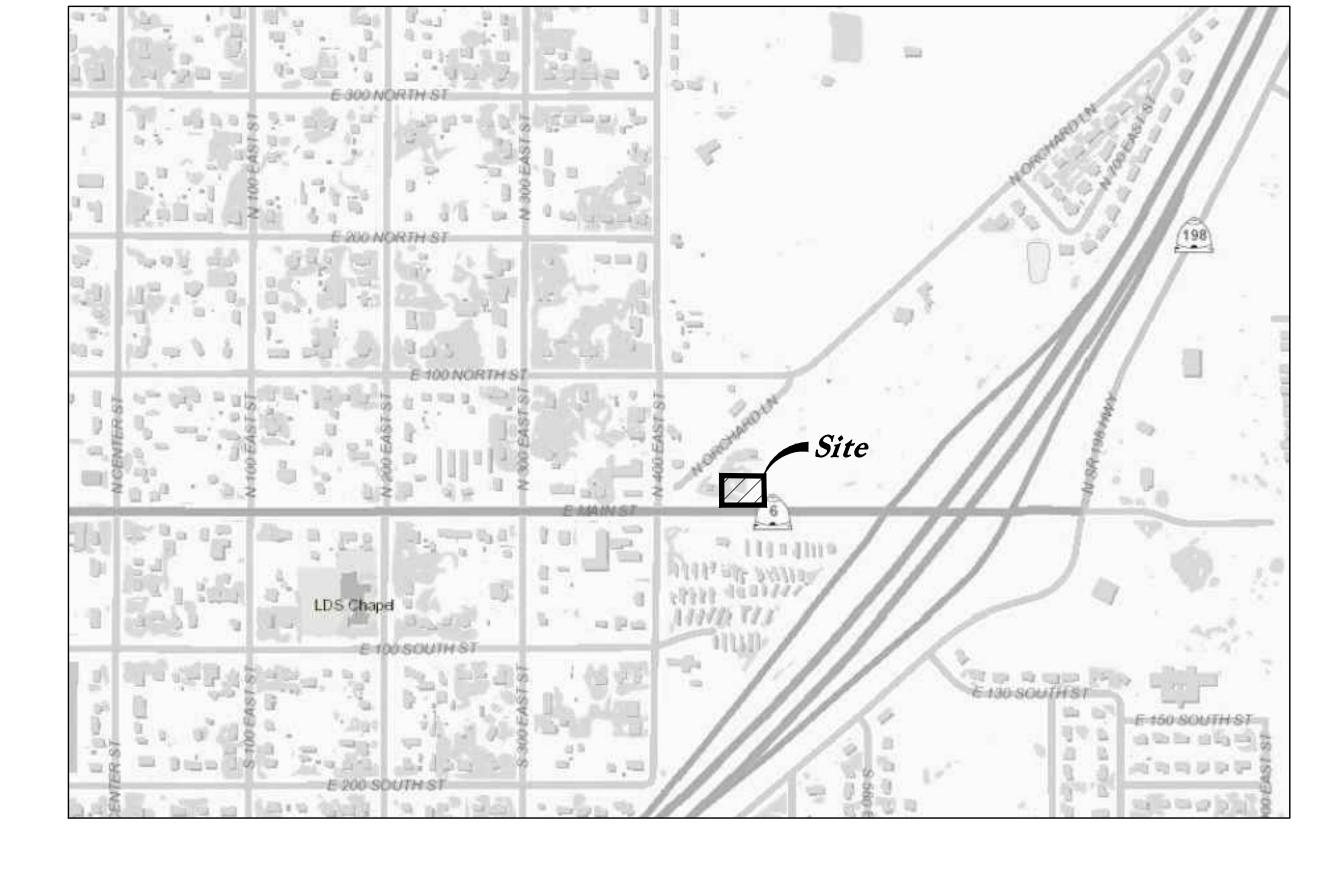




| | | | | No. 7557079-0301 C B |
|---|--|---|--|--|
| RETAIL BLDG CODE ANALYSIS | GENERAL NOTES | DEFERRED SUBMITTALS | DRAWING INDEX | a caracatal of the cara |
| APPLICABLE CODES Year Year | CONTRACTORS AND SUBCONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL PORTIONS OF THE DRAWINGS, SPECIFICATIONS, ADDENDUM AND CHANGE ORDERS THAT PERTAIN TO THEIR WORK. THEY SHALL BE HELD RESPONSIBLE FOR ADHERING TO THOSE REQUIREMENTS AND SHALL NOT PREPARE ANY BID FROM PARTIAL SETS. STUD BOTTOM TRACKS TO BE MECHANICALLY FASTENED TO THE SLAB OR SUB FLOORING AS OCCURS. | FIRE ALARM SYSTEM: THE GENERAL CONTRACTOR IS TO PROVIDE A SET OF FIRE ALARM DRAWINGS PRIOR TO THE INSTALLATION OF ANY FIRE ALARM COMPONENTS. | GENERAL A0.0 TITLE SHEET, NOTES, CODE ANALYSIS AND INDEX | |
| International Building Code 2018 National Electrical Code 2017 International Mechanical Code 2018 Uniform Code for International Plumbing Code 2018 International Fire Code 2018 ADA Accessibility | STUDS TO BE SHEATHED WITH § TYPE 'X' GYP. BOARD UNLESS OTHERWISE NOTED. PROVIDE SEALANT AROUND ALL PERIMETER WALL PENETRATIONS. ALL NUTS, BOLTS & MISCELLANEOUS METAL EXPOSED TO WEATHER SHALL BE GALVANIZED UNLESS OTHERWISE NOTED. | FIRE SPRINKLER SYSTEM: THE GENERAL CONTRACTOR IS TO PROVIDE A SET OF FIRE SPRINKLER PLANS INCLUDING THE MAIN SIZE AND PRESSURE, HYDRAULIC CALCULATIONS, ETC. PRIOR TO THE INSTALLATION OF ANY FIRE PROTECTION COMPONENTS. | CIVIL CV COVER SHEET CO.1 DEMOLITION PLAN C1.1 SITE PLAN | |
| International Fire Code International Energy Conservation Code Guildelines ICC/ANSI A117.1 2018 | ALL WORK SHALL COMPLY STRICTLY WITH THE 2015 INTERNATIONAL BUILDING CODE, AND ALL LOCAL CODES AND ORDINANCES. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND SHALL REPORT ANY INCONSISTENCIES TO THE ARCHITECT. | NOTE: ADDITIONAL DEFERRED SUBMITTALS SHALL BE SUBMITTED AS INDICATED IN THE CONTRACT DOCUMENTS INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL AND ELECTRICAL DOCUMENTS. | C2.1 GRADING PLAN C2.2 ACCESSIBLE DETAILS C2.3 RETAINING WALL PLAN AND PROFILE | |
| OCCUPANCY TYPE IS NOT FINALIZED. ASSUME M, B, OR A-2. BUILDING WILL BE MIXED OCCUPANCY, NON-SEPARATED USES. PLANS FOR TENANT FINISH WILL BE | DRAWINGS ARE NOT TO BE SCALED, DIMENSIONAL DISCREPANCIES SHALL BE CLARIFIED WITH THE ARCHITECT. ALL DIMENSIONS ARE TO FACE OF CONCRETE, MASONRY OR GYP. BD. UNLESS OTHERWISE NOTED. PROTECT PORTIONS OF THE BUILDING ADJACENT TO OR AFFECTED BY CONSTRUCTION. | | C3.1 UTILITY PLAN C4.1 DETAILS C4.2 DETAILS C4.3 DETAILS | |
| SUBMITTED SEPARATELY A. Occupancy and Group: M B A-2 | 11. DO NOT CLOSE OR OBSTRUCT STREET, WALKS, DRIVES, PARKING OR OTHER OCCUPIED OR USED SPACES OR FACILITIES WITHOUT THE WRITTEN PERMISSION OF THE OWNER AND AUTHORITIES HAVING JURISDICTION. 12. DO NOT INTERRUPT UTILITIES SERVING OCCUPIED OR USED FACILITIES WITHOUT THE WRITTEN PERMISSION OF THE OWNER AND AUTHORITIES HAVING JURISDICTION. | | C5.1 EROSION CONTROL SITE MAP L1.1 LANDSCAPE PLAN L2.1 IRRIGATION PLAN | |
| Change in Use: Yes NoX Mixed Occupancy: YesX No Special Use and Occupancy (e.g. High Rise, Covered Mall): | CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIALS, FALSE WORK, TEMPORARY STRUCTURES INCLUDING FOUNDATIONS & DEBRIS OF EVERY NATURE RESULTING FROM HIS OPERATIONS, AND PUT THE SITE IN A NEAT, ORDERLY CONDITION. CONTRACTOR SHALL VERIFY THE LOCATION AND SHALL PROVIDE AND PROTECT UTILITIES WITHIN THE WORK AREA, WHETHER OR NOT INDICATED IN THE DRAWINGS. CONTRACTOR SHALL NOTIFY UTILITY COMPANIES IMMEDIATELY SHOULD SERVICES BE INTERRUPTED. | | L3.1 DETAILS ARCHITECTURAL A1.1 FLOOR PLAN AND ROOF PLAN | |
| B. Seismic Design Category: Design Wind Speed:115 mph C. Type of Construction (circle one): | GENERAL CONTRACTOR TO FIELD VERIFY ALL CONDITIONS WHERE WORK IS BEING PERFORMED. A SET OF AS—BUILT DRAWING PRINTS WILL REMAIN ON SITE DURING REMODEL. AFTER PROJECT COMPLETION THE G.C. WILL DELIVER TO THE OWNER 30 DAYS AFTER COMPLETION TWO SETS OF NEW AS—BUILTS AND ALL NECESSARY CLOSE OUT DOCUMENTS. | | A2.1 EXTERIOR ELEVATIONS A3.1 WALL SECTIONS A5.1 DETAILS | |
| TA TB | 18. FIRE EXTINGUISHERS ARE TO BE MAINTAINED IN ALL AREAS WHERE TORCHES ARE BEING USED. 19. ALL CONTRACTORS ARE TO SUPPLY THEIR OWN SAFETY EQUIP. | | A5.2 DETAILS A6.1 SCHEDULES A7.2 RCP AND DETAILS | |
| D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours): North: South: East: West: | 20. CONTRACTOR TO PROVIDE AND INSTALL FIRE EXTINGUISHERS PER THE DIRECTION OF THE AUTHORITY HAVING JURISDICTION PRIOR TO SUBSTANTIAL COMPLETION. 21. FLOOR CARPET SHALL BE TESTED IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 253 AND BE A CLASS I (0.45 WATTS/CM) IN CORRIDORS, EXIT ENCLOSURES AND EXIT PASSAGEWAYS. | | STRUCTURAL S001 STRUCTURAL NOTES | |
| E. Mixed Occupancies: Yes Nonseparated Uses: Yes F: Sprinklers: | 22. THERMAL AND SOUND INSULATION AND COVERING WHICH ARE INSTALLED IN CONCEALED AND EXPOSED SPACES AND AS COVERING OVER PIPE AND TUBING SHALL BE TESTED IN ACCORDANCE WITH AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) E 84 AND HAVE A FLAME SPREAD OF 0-25 AND A SMOKE INDEX OF 0-450. 23. THERMAL AND SOUND INSULATION AND COVERING OVER PIPE AND TUBING WHICH ARE INSTALLED IN CONCEALED PLENUM SPACES SHALL BE TESTED IN ACCORDANCE WITH AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) E 84 AND HAVE A FLAME SPREAD OF 0-25 AND A SMOKE INDEX OF 0-50. | | S002 SCHEDULES S003 SCHEDULES S101 PLANS S201 DETAILS | |
| Required: X Provided: X Type of Sprinkler System: Wet G: Number of Stories: 1 Building Height: 21'-0" | 24. INTERIOR WALL FINISHES WHICH ARE TEXTILES AND CEILING TILE SHALL BE TESTED IN ACCORDANCE WITH AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) E 84 AND HAVE A FLAME SPREAD OF 0-25 AND A SMOKE INDEX OF 0-450 25. SMOKE DAMPERS SHALL BE LISTED UL555S AND BE CONTROLLED BY AUTOMATIC SMOKE DETECTION EITHER IN THE DUCT OR AREA OF SMOKE SEPARATION. | | S202 DETAILS S203 DETAILS | |
| H: Tabular Area: MAIN LEVEL FLOOR AREA SQ. FT. 8,400 SF | 26. PENETRATIONS OF SMOKE BARRIERS AND PARTITIONS SHALL BE PROVIDED WITH AN APPROVED FIRE/SMOKE STOP SYSTEM OF A MINIMUM OF 1 HOUR FIRE RATED MATERIALS WHICH HAVE BEEN TESTED BY ASTM E 814.27. FIRE STOPPING MATERIALS FOR NON-FERROUS PIPE, CONDUIT AND OTHER SYNTHETIC MATERIALS SHALL BE COMPATIBLE WITH EACH. | | MECHANICAL MO.1 LEGENDS AND SCHEDULES M1.1 HVAC FLOOR PLAN | |
| OCCUPANT LOAD UNKNOWN UNTIL TENANT LEASING HAS BEEN FINALIZED. ALL LEASE SPACES WITH OCCUPANT LOADS OF 50 OR GREATER WILL BE PROVIDED WITH AT LEAST 2 EXITS. | 28. ENVIRONMENTAL AIR DUCTS THAT PENETRATE FIRE RATED ASSEMBLIES SHALL BE PROVIDED WITH UL 555 LABELED FIRE DAMPERS THAT HAVE A FIRE RATING OF AT LEAST 75% OF THE ASSEMBLY BEING PENETRATED. ALL SYSTEMS SHALL COMPLY WITH IFC 907.2.13.1.2. AND 907.4.1 AS APPROPRIATE. 29. ALL FIRE RATED ASSEMBLIES SHALL BE TESTED IN ACCORDANCE WITH AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) E 119 OR EQUIVALENT. | | P1.1 PLUMBING FLOOR PLAN M2.1 MECHANICAL ROOF PLAN M6.1 DETAILS | |
| I: Area Modifications per IBC 506: | 30. CONTRACTOR TO ENGINEER ALL STUD CONNECTIONS, TYP. GENERAL ABBREVIATIONS MATERIALS LEGEND | PROJECT DIRECTORY | ELECTRICAL EGO.1 ELECTRICAL SYMBOLS AND NOTES EG5.1 SPECS | |
| a) $A_a = A_t + \left[NS \times I_f \right]$ $I_f = \left[\frac{F}{P} - 0.25 \right] \frac{W}{30}$ | Act. Accoustic Ceiling Tile Galv Galvanized Q.T. Quarry Tile | VEL ARCHITECT MECHANICAL ENGINEER | EG5.2 DETAILS EG6.1 SCHEDULES EG6.2 SCHEDULES | |
| ALLOWABLE AREA - IBC SECTION 506: AREA MODIFICATIONS - IBC SECTION 506.2.1: Aa = 15,750 SF Aa = {At + [NS x If] } | Alt. Alternate G.I. Galvanized Iron Rad. Radius Alum. Aluminum Ga. Gauge R.B. Rubber Base A.B. Anchor Bolt GI. Glass R.W.L. Rain Water Leader & And Gr. Grade R.F.F. Reference Finish Floor Arch. Architectural Gnd. Ground Refl. Reflected CON | Design Sequence PVE Engineers 801.596.0691 801.359.3158 | ES1.1 SITE PLAN EP1.1 ELECTRICAL PLAN EP1.2 ROOF PLAN | RETAIL BUILDING SANTAQUIN PAD C |
| 15,750 S.F. = {9,000 S.F. + [9,000 S.F. x 0.75] } Where: Aa = Allowable area (square feet). | Bd. Board Hawa. Hardwood N. Kisel A FINISH | STRUCTURAL ENGINEER ELECTRICAL ENGINEER ARW Engineers Van Boreum & Frank 801.782.6008 801.530.3148 | | |
| At = Tabular allowable area factor - Table 506.2 (square feet). NS = Tabular allowable area factor - Table 506.2 (square feet). If = Area factor increase due to frontage - Section 506.3.3 (square feet). | Bott. Bottom Bldg. Building Cpt. Carpet Clkg. Caulking C.l. Cast Iron Cla Cailing Hr. Hours (Fire Rating) H.P. High Point Rm. Room R.O. Rough Opening Sched. Schedule Seal. Sealant Seal. Sealant Sect. Section CMU CMU CMU CMU CMU CMU CMU CM | GRAPHIC SYMBOLS | | SANTAQUIN, UTAH |
| AREA INCREASE DUE TO FRONTAGE - IBC SECTION 506.3: If = 0.75 If = [F/P - 0.25] W/30 0.75 = [380'/380' - 0.25] 30/30 | Cem. Cement In. Inch S.Sk. Service Sink Ctr. Center I.D. Inside Diameter Sht. Sheet Ctr. Center Line Inusl. Insulation Sim. Similar Cer. Ceramic Int. Interior SI./SIp. Slope C.T. Ceramic Tile I.E. Invert Elevation S.C. Solid Core | | | |
| Where: If = Area increase factor due to frontage - Section 506.3 (square feet). F = Building perimeter that fronts on a public way or open space having 20 feet open minimum width (feet). | Clr. Clear (ance) Inv. Invert Elevation Spec. Specifications Clo. Closet Jan. Janitor Sq. Square Col. Column Jt. Joint Std. Standard Conc. Concrete Concrete Masonry Unit Kit. Kitchen Stor. Storage Clo. Closet Jan. Janitor Sq. Square Std. Standard Std. Steel | WOOD SHT# WALL SECT. SYMB. OTL# SHT# DETAIL REF. SYMB. | | MARK DATE DESCRIPTION |
| P = Perimeter of entire building (feet). W = Width of public way or open space (feet) in accordance with Section 506.3. | Conn. Connection Constr. Construction Cont. Continue/Continuous Cont. Contractor Contrac | SHT # INTR. ELEV. SYMB. | | |
| J. Design Occupant Load, Exit Width and Number of Exits: OCCUPANT LOAD UNKNOWN UNTIL TENANT LEASING HAS BEEN FINALIZED. ALL LEASE SPACES WITH OCCUPANT LOADS OF 50 OR GREATER WILL BE PROVIDED WITH AT LEAST 2 EXITS. | Corr. Corridor Cntr. Counter Ctsk. Countersunk Det. Detail Dept. Department Maint. Maintenance T/C longue and Groove T/Conc Top of Concrete T/Conc Top of Curb T/Curb Top of Curb T.O. FTG. Top of Footing T.O. FTG. Top of Plate TOURD TOP OF Plate | T.O. ELEVATION SYMB. OR. # DOOR/HDWR. SYMB. | | DATE: SEPTEMBER II, 2020 |
| M. Minimum Number of Required Plumbing Facilities: | Dim. Dimension Memb. Membrane T. Tread Dn. Down Men Men's Toilet Typ. Typical D.S. Downspout Mtl./Met. Metal Unf. Unfinished Dwg. Drawing Min. Minimum U.N.O. Unless Noted Otherwise | E WALL TYPE SYMB. # WINDOW SYMB. | | AGENCY PROJECT NO: DESIGN SEQUENCE PROJECT NO: 2010.01 CAD DWG FILE NO: |
| UNKNOWN UNTIL TENANT LEASING HAS BEEN FINALIZED. | E. East Misc. Miscellaneous Vert. Vertical Ea. Each Mtd. Mounted V.T.R. Vent Through Roof Elec. Electric (al) Mul. Mullion VCT Vinyl Composition Tile Elev./El. Elevation Nom. Nominal w/ With Exist. Existing N. North W.A.S. Welded Anchor Stud | USTICAL | | DRAWN BY: KV DESIGNED BY: KV |
| | Eq. Equal N.I.C. Not In Contract Wd. Wood Equip. Equipment N.T.S. Not To Scale Wp. Waterproof Exist. Existing No. or # Number Wsct. Wainscot Without BAC | KER ROD AND | | DWG TYPE: ARCHITECTURAL PHASE: PERMIT SET |
| | Ext. Exterior O.C. On Center W.P. Working Point Fin. Finish Opng. Opening W.R. Water Resistant F.A. Fire Alarm Opp. Opposite W.J. Wrought Iron F.E. Fire Opp. H. Opposite Hand F.E. Fire O.C. On Center W.P. Working Point W.R. Water Resistant W.D. Wrought Iron W.D. W | SUM | | SHEET TITLE |
| | FIr./FI. F.E. Cabinet O.R.D. Overflow Roof Drain F.O.S. Floor Drain F.O.W. Face of Stud Fta Face of Wall OR.D. Overflow Roof Drain TO F | REMOVE | | INDEX, CODE |
| | Ftg. Face of Wall Fdn. Footing F.F. Foundation Finish Floor | | | ANALYSIS, GENERAL NOTES |
| | | | | A0.0 |

Ridley's Santaquin - Retail C

400 East Main Street Santaquin, UT, 84655



Santaquin City Notes

It is important for the developer and the general contractor to understand that it is his/her responsibility to ensure that all improvements installed within this development are constructed in full compliance with all state and Santaquin City codes, ordinances and standards. This fact does not relieve the developer or general contractor from full compliance with all minimum state and Santaquin City standards.

Santaquin City Note to Developers & General Contractors

All recommendations made in the provided geotechnical report/study shall be followed explicitly during construction of building and site improvements.

Civil Sheet Index

| CV Cover Sheet |
|--------------------------------------|
| CO.1 Demolition Plan |
| C1.1 Site Plan |
| C2.1 Grading Plan |
| C2.2 Accessible Details |
| C2.3 Retaining Wall Plan and Profile |
| C3.1 Utility Plan |
| C4.1 Details |
| C4.2 Details |
| C4.3 Details |
| C5.1 Erosion Control Plan |
| L1.1 Landscape Plan |
| L2.1 Irrigation Plan |
| L3.1 Landscape & Irrigation Details |

es

ANDERSON WAHLEN & ASSC

Designed by: SY
Drafted by: JD

Ridley's Family Markets

20-112 CV

Retail (

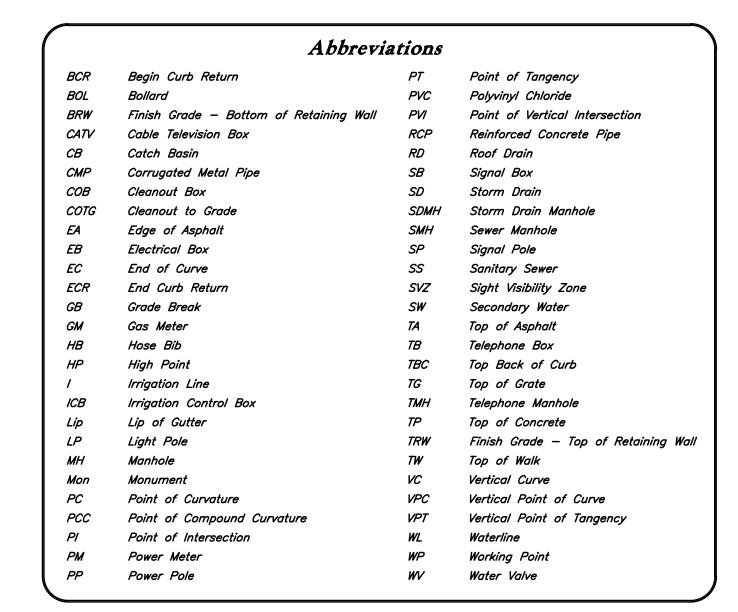
antaquin East and Main St

Ridley's



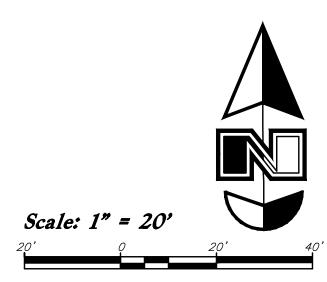
11 Sep, 2020





| | Lege | end | |
|-------------------------------|----------------------|------------------------------|-------------------------|
| Proposed Curb & Gutter | | Existing Improvements | === |
| Proposed Open Face C & G | | Existing Asphalt | |
| Proposed Asphalt | | Existing Concrete | 47 X |
| Proposed Concrete | ~x:\\.] | Existing Inlet Box | |
| Proposed Truncated Domes | | Existing Catch Basin | |
| Proposed Inlet Box | | Existing Manhole | \circ |
| Proposed Catch Basin | | Existing Fire Hydrant | $\not\subset FH$ |
| Proposed Manhole | | Existing Water Valve | $\bowtie W$ |
| Proposed Transformer | T | Existing Overhead Power Line | <i>− -₩/</i> - - |
| Proposed Meter Box | | Existing Water | W |
| Proposed Water Meter | • | Existing Secondary Water | SW- |
| Proposed Combo Box | | Existing Sewer | 5 |
| Proposed Fire Hydrant | % | Existing Storm Drain | SD |
| Proposed Water Valve | | Existing Gas | -G-G |
| Proposed Water Line | _w_ | Existing Power | P |
| Proposed Sanitary Sewer | — s— | Existing Telephone | - <i>T</i> |
| Proposed Storm Drain | | Existing Fence Flowline | X |
| Proposed Conduit Line | <u>—</u> с— | Centerline | € |
| Proposed Power Line | —P— | Existing Contour | 78/ |
| Proposed Gas Line | <u></u> —G— | Existing Spot | ∘ <i>(78.00TA)</i> |
| Proposed Fire Line | <u>—</u> F— | Existing Light Pole | <u>*</u> |
| Proposed Secondary Water Line | — sw — | Existing Street Light | $\langle \rangle$ |
| Proposed Roof Drain | —RD— | Existing Building | <u> </u> |
| Proposed Fence | —x— | Existing Telephone Box | □ <i>TB</i> |
| Ridge line | R | Existing Power Meter | $\Box PM$ |
| Grade Break | GB | Existing Electrical Box | (1) <i>EB</i> |
| Proposed Contour | <i>78</i> | Existing Electrical Cabinet | \square ECAE |
| Direction of Drainage | | Existing Gas Meter | \Box GM |
| Proposed Spot | • 78.00TA | Existing Water Meter | ∘ WM |
| ADA Accessible Route | | Existing Irrig. Control Box | o ICB |
| Property Line | | Existing Bollard | • <i>BOL</i> |
| Sawcut Line | | Existing Hose Bib | • <i>HB</i> |
| Proposed Light Pole | \odot | Working Point | © |
| Proposed Street Light | \bigcirc | Existing Deciduous Tree | { • } |
| Proposed Building | <u> </u> | - | |
| Existing Power Pole | * | Evipting Coniforms Tree | |
| Existing Power Pole w/ Guy | ⊘ → | Existing Coniferous Tree | ケジ |
| Existing Utility Marker | $ \dashv$ | Detail Number — | |
| Existing Post | | Sheet Number ————— | $\frac{}{}$ $\frac{}{}$ |





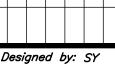
General Demolition Notes:

- 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.
- 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.
- 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.
- 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.
- 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
- 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.
- 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.
- 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 contaminate soils he shall immediately contact the project engineer to provide notification and obtain direction before proceeding with disturbance of said 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.





Drafted by: JD

Client Name: Ridley's Family Markets

20-112 DM

DERSON WAHLEN & ASSOCIATES

10 North Redwood Road, Salt Lake City, Utah 84116

- Retail C

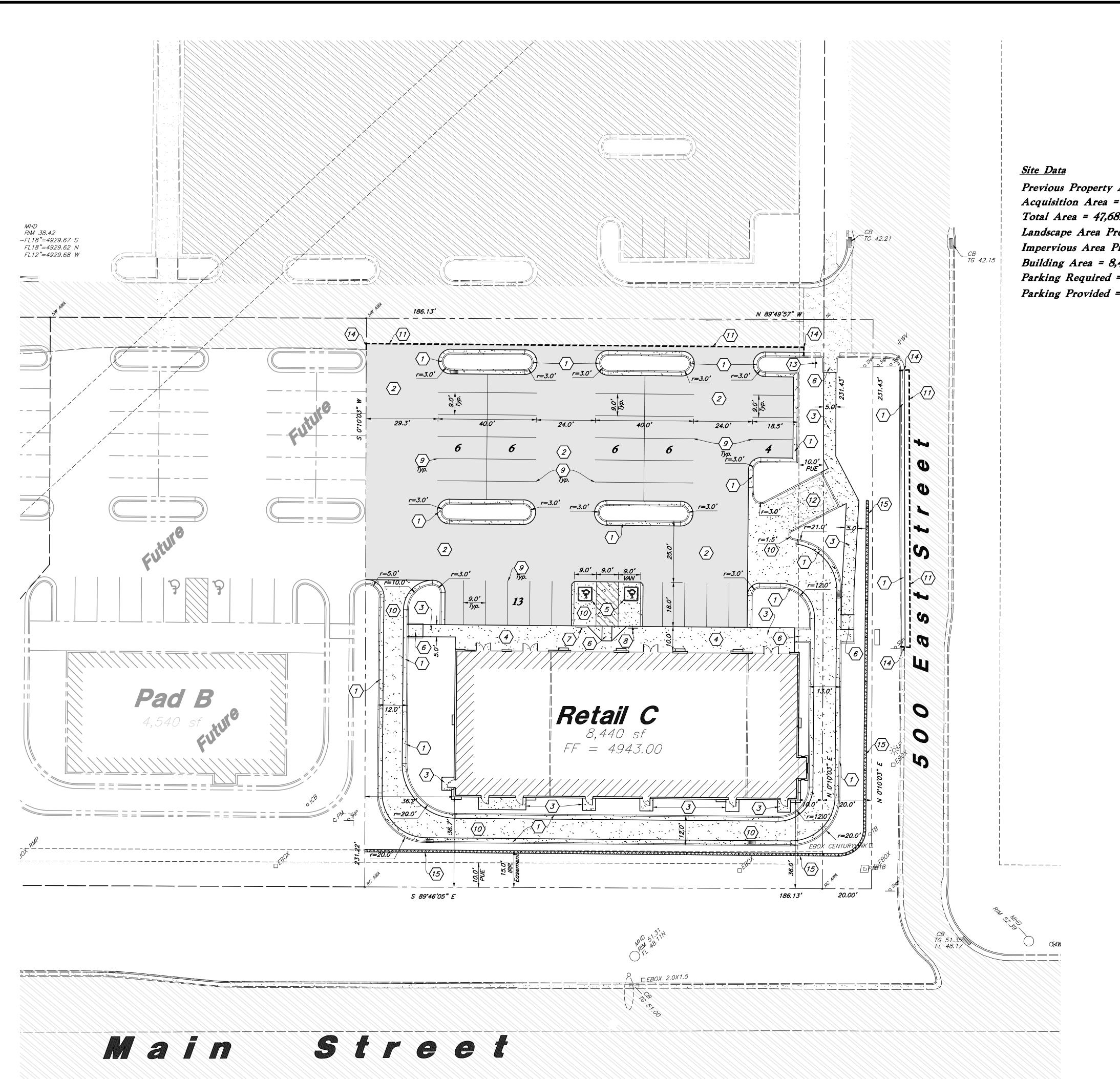
antaquin

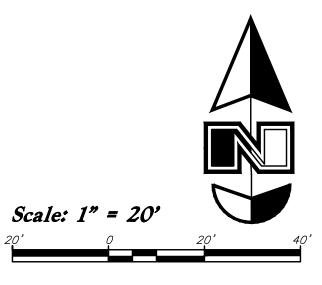
Ridley's



11 Sep, 2020

CO-1





Previous Property Area = 43,056 s.f.

Acquisition Area = 4,629 s.f.

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

Landscape Area Provided = 11,234 s.f. (23.6%)

Impervious Area Provided = 28,011 s.f. (58.7%)

Building Area = 8,440 s.f (17.7%)

Parking Required = 1/200 s.f. = 43 stalls

Parking Provided = 41 stalls (4.9/1,000)

Site Construction Notes

- 1 Const. 24" Curb & Gutter C4
 - Const. Asphalt Paving $\begin{pmatrix} 2 \\ C4.1 \end{pmatrix}$
 - Const. Conc. Sidewalk
- 4 Const. Thickened Edge Sidewalk

 C4.1

 C5 Const. Accessible Striping per MUTCD & ICC/ANSI
 A117.1 (Latest Edition)
 (See Accessible Details and Notes)
- 6 Const. Accessible Ramp per ICC/ANSI A117.1 (Latest Edition) (See Accessible Details and Notes)
- Const. Accessible Sign per MUTCD & ICC/ANSI
 A117.1 (Latest Edition)

(See Accessible Details and Notes)

- 8 Const. Accessible VAN Sign per MUTCD & ICC/ANSI
 A117.1 (Latest Edition)
 (See Accessible Details and Notes)
- 9 Const. 4" White Paint Stripe (Typ.) Contractor shall provide 15 mils min. thickness
- 10 Const. Conc. Paving $\frac{5}{C4.1}$
- 1) Sawcut; Provide Smooth Clean Edge
- Dumpster Enclosure (See Arch. Plans)
- 3 Relocated Stop Sign
- (14) Conn. & Match Existing Improvements
- (15) Const. Modular Block Retaining Wall (Wall Design By Others)

General Site Notes:

- 1. All dimensions are to back of curb unless otherwise
- 2. Fire lane markings and signs to be installed as directed by the Fire Marshal.
- 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 at matheda of how the work will be completed. 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.

Construction Survey Note:

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.

Survey Control Note:

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 completed using Anderson Wahlen and Associates ALTA Surveys or Anderson Wahlen and Associates construction improvement plans. Prior to proceeding with construction staking, the surveyor shall be responsible for verifying horizontal control from the survey monuments and for verifying any additional control points shown on an ALTA survey, improvement plan, or on 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 existing hard improvement elevations included on these plans or on electronic data provided by Anderson Wahlen and Associates. If any discrepancies are encountered, the surveyor shall immediately notify the engineer and resolve the discrepancies before proceeding with any construction staking.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

The Contractor agrees that he shall assume sole and complete responsibility for job 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.

.

Designed by: SY
Drafted by: JD

Client Name: Ridley's Family Markets

20-112 SP

RSON WAHLEN & ASSOCIATES
North Redwood Road, Salt Lake City, Utah 84116
(801) 521-8529 - AWAenaineering.net

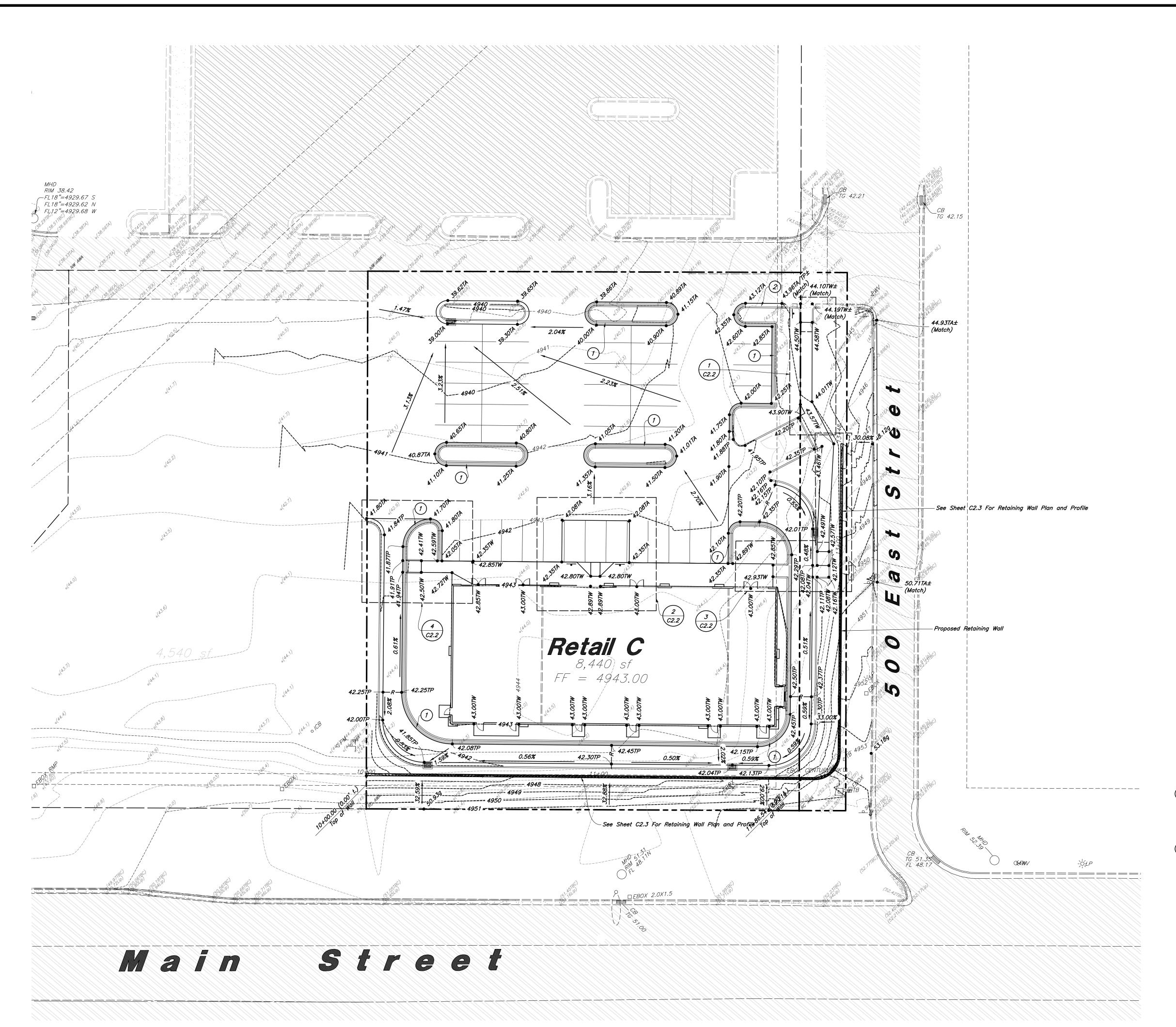
in - Retail (

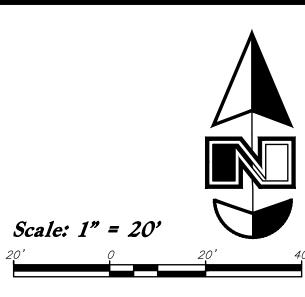
Santaquin 400 East and Main

No. 78/9289 SHAUN H YOUNG NO. 78/9289

11 Sep, 2020

C1.1





General Grading Notes:

- 1. All grading shall be in accordance with the project geotechnical study.
- 2. Cut slopes shall be no steeper than 3 horizontal to 1 vertical.
- 3. 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.
- 9. 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.
- 10. Dust shall be controlled by watering.
- The location and protection of all utilities is the responsibility of the permitee.
- Approved protective measures and temporary drainage provisions must be used to protect adjoining properties during the grading process.
- 13. 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.
- 14. The site shall be cleared and grubbed of all vegetation and deleterious matter prior to grading.
- 15. 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.
- 17. 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

- 18. 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.
- 19. 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:

- 1. Open face gutter shall be constructed where drainage is directed away from curb.
- 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.
- 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%
- 3. Refer to the Site Plan for sidewalk dimensions.

Designed by: SY
Drafted by: JD

Client Name: Ridley's Family Markets

20-112 GR

DERSON WAHLEN & ASSOCIATES
10 North Redwood Road, Salt Lake City, Utah 84116

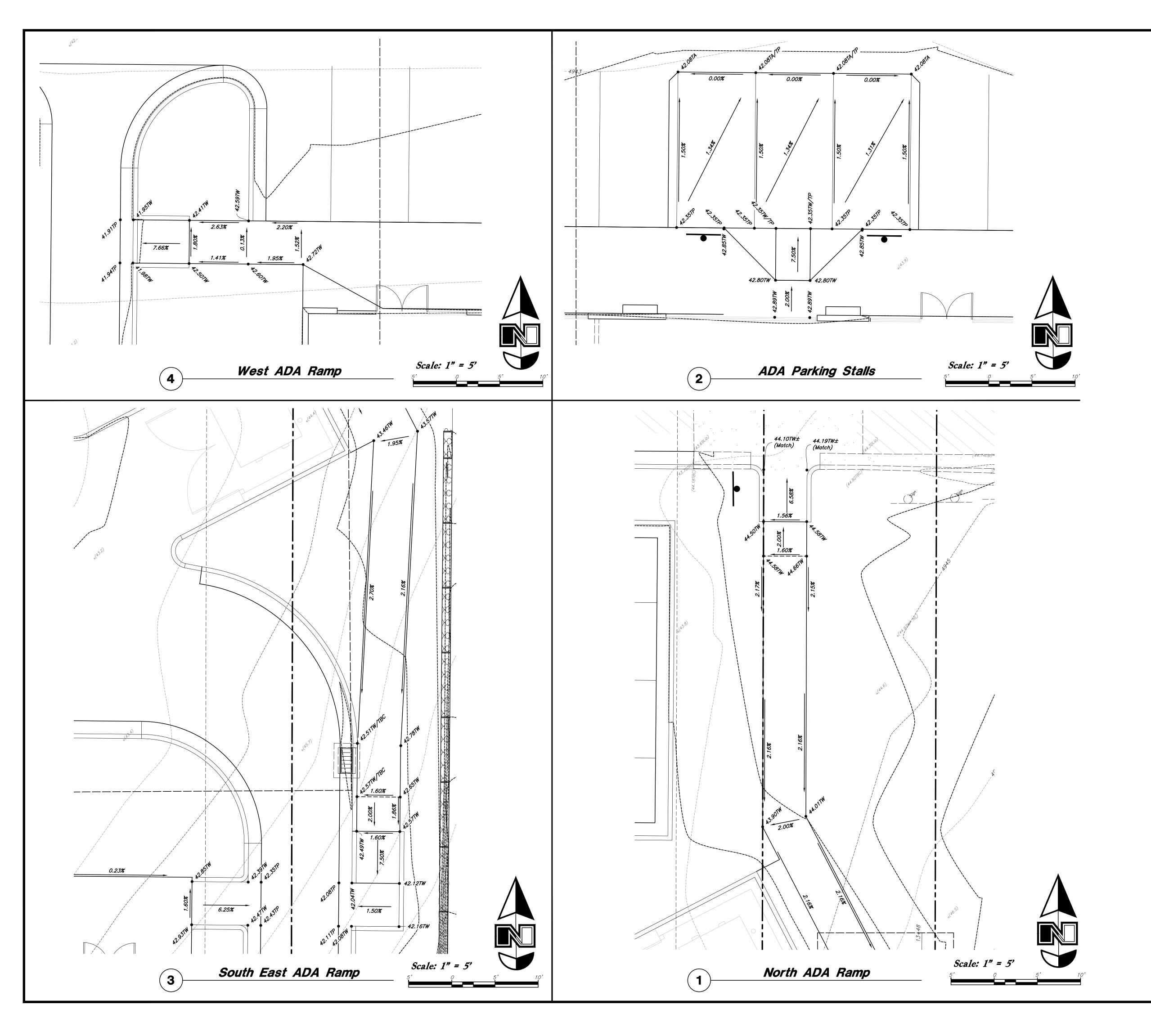
iin - Retail

Santaquin 400 East and Main

No. 78/9289 SHAUN H YOUNG 288 9/11/20

11 Sep, 2020

C2-1



Designed by: SY

Drafted by: JD Client Name: Ridley's Family Markets

20-112 GR

Retail

Santaquin 400 East and Main St

Acces

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.
 - 4. Refer to the typical details for standard and open face curb and gutter
- 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.

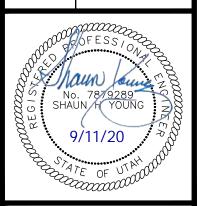
Sidewalk Construction Notes:

- 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%
- 3. Refer to the Site Plan for sidewalk dimensions.

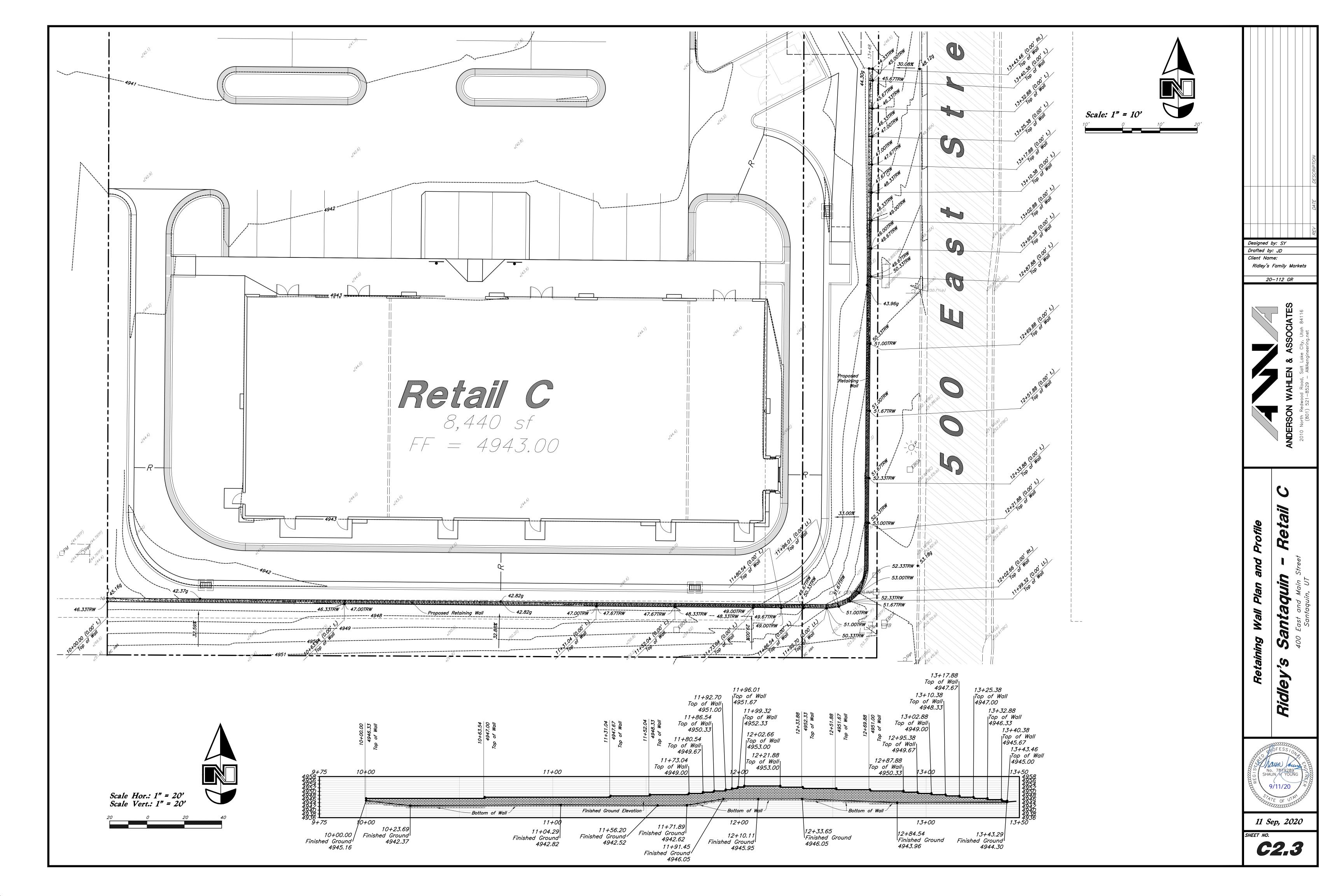
Accessibility Note:

Contractor must maintain a running slope on Accessible routes no steeper than 5.0% (1:20). The cross slope for routes no steeper than 5.0% (1:20). The cross 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.



11 Sep, 2020



General Utility Notes:

- 1. All sewer and water facilities shall be constructed per local jurisdiction standards and specifications. Contractor is responsible to obtain standards and specifications.
- 2. Coordinate all utility connections to building with plumbing plans and building contractor.
- Verify depth and location of all existing utilities prior to constructing any new utility lines. Notify Civil Engineer of any discrepancies or conflicts prior to any connections being made.
- 4. All catch basin and inlet box grates are to be bicycle proof.
- 5. Refer to the site electrical plan for details and locations of electrical lines, transformers and light poles.
- 6. Gas lines, telephone lines, and cable TV lines are not a part of these
- 7. Water meters are to be installed per city standards and specifications. It will be the contractor's responsibility to install all items required.
- 8. Water lines, valves, fire hydrants, fittings etc. are to be constructed as shown. Contractor is responsible, at no cost to the owner, to construct any vertical adjustments necessary to clear sewer, storm drain, or other utilities as necessary including valve boxes and hydrant spools to proper grade.
- 9. Contractor shall install a 12" concrete collar around all manholes, valves, catch basins, cleanouts & any other structures located within

Utility Piping Materials:

All piping materials shall be per local agency standards or the specifications below at a minimum. All utility piping shall be installed per manufacturers recommendations. Refer to project specifications for more detailed information regarding materials, installation, etc.

Culinary Service Laterals

- Polyethylene (PE) Water Pipe (Up to 3 inches diameter), AWWA C901, PE 3408, SDR 9 (200 psi)
- 2. Copper Pipe (Up to 3 inches diameter): Type "K."

Water Main Lines and Fire Lines

Polyvinyl Chloride (PVC) (4 inches to 12 inches diameter): AWWA C900, Class 200

Sanitary Sewer Lines

All sewer piping to be Polyvinyl Chloride (PVC) sewer pipe, ASTM D3034, Type PSM, SDR 35

Storm Drain Lines

- 1. 12" pipes or smaller Polyvinyl Chloride (PVC) sewer pipe, ASTM D3034, Type PSM, SDR 35
- 2. 15" pipes or larger Reinforced Concrete Pipe, ASTM C76, Class

The locations and/or elevations of existing utilities as shown on these plans are 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.

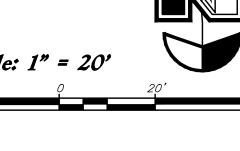


Storm Drain & Sanitary Sewer Note:

All Storm Drainage & Sanitary Sewer Pipe Lengths and Slopes are from Center of Structure to Center of Structure

Onsite Utility Connection Notes:

- Contractor shall field verify all utility connection elevations prior to any utility construction has begun.
- Contractor shall construct utility lines into site prior to any onsite utility construction. Gravity lines are to be constructed starting at the lowest point and be installed prior to any waterline installation
- 3. Construction of any onsite utilities prior to the offsite connection will be done at the contractors risk.

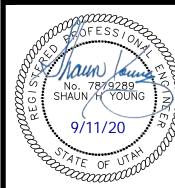


Designed by: SY Drafted by: JD Client Name:

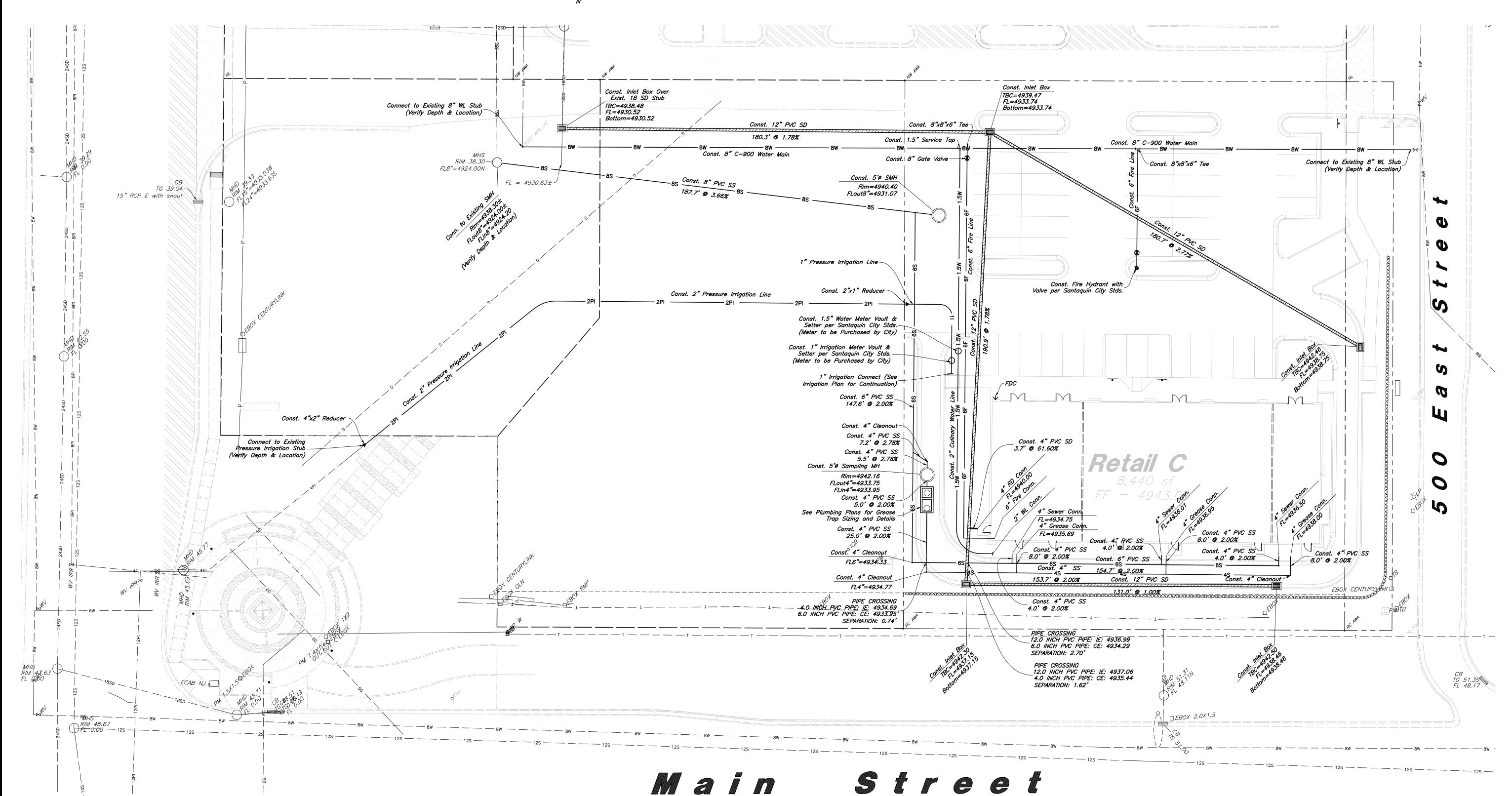
Ridley's Family Markets

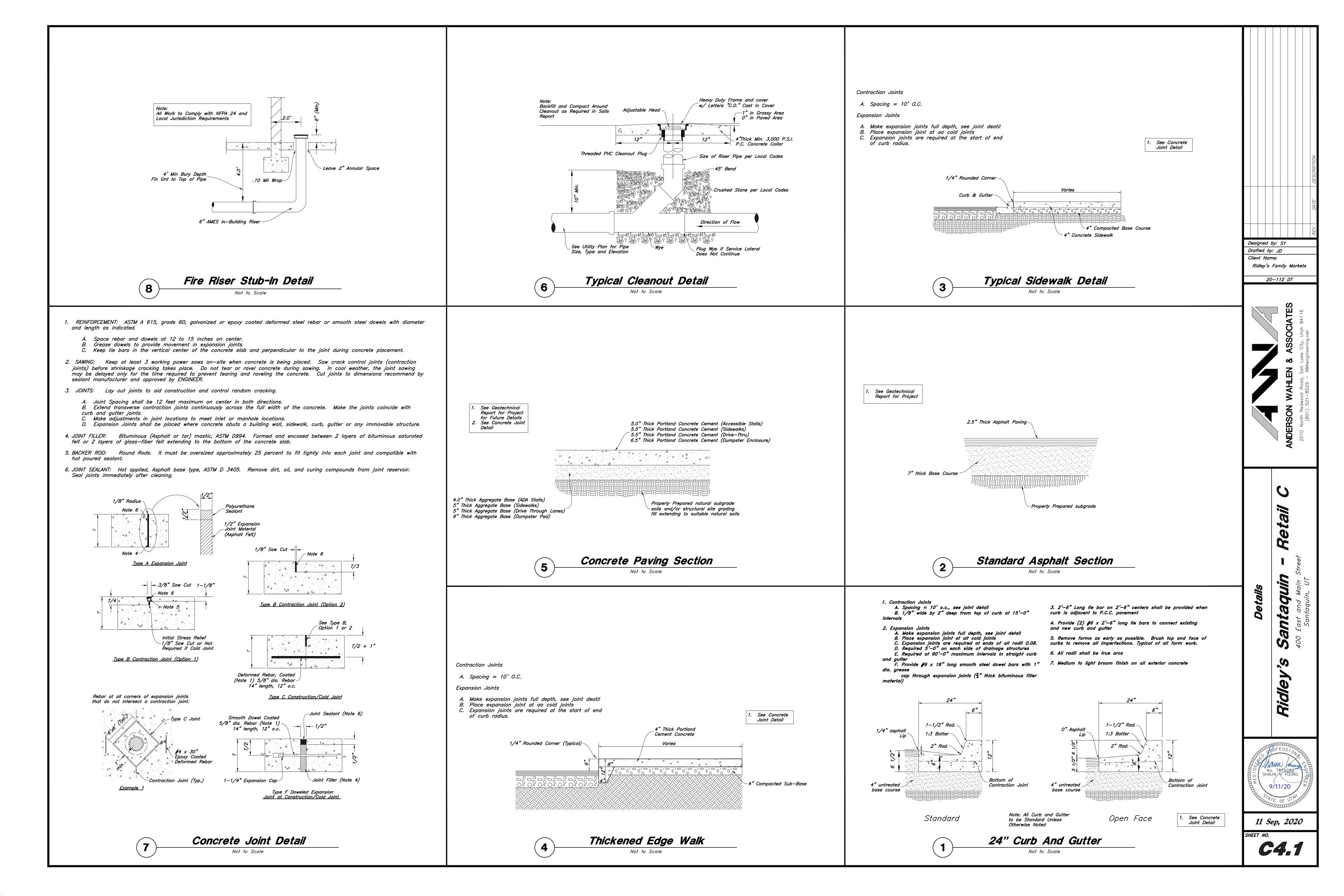
20-112 UT

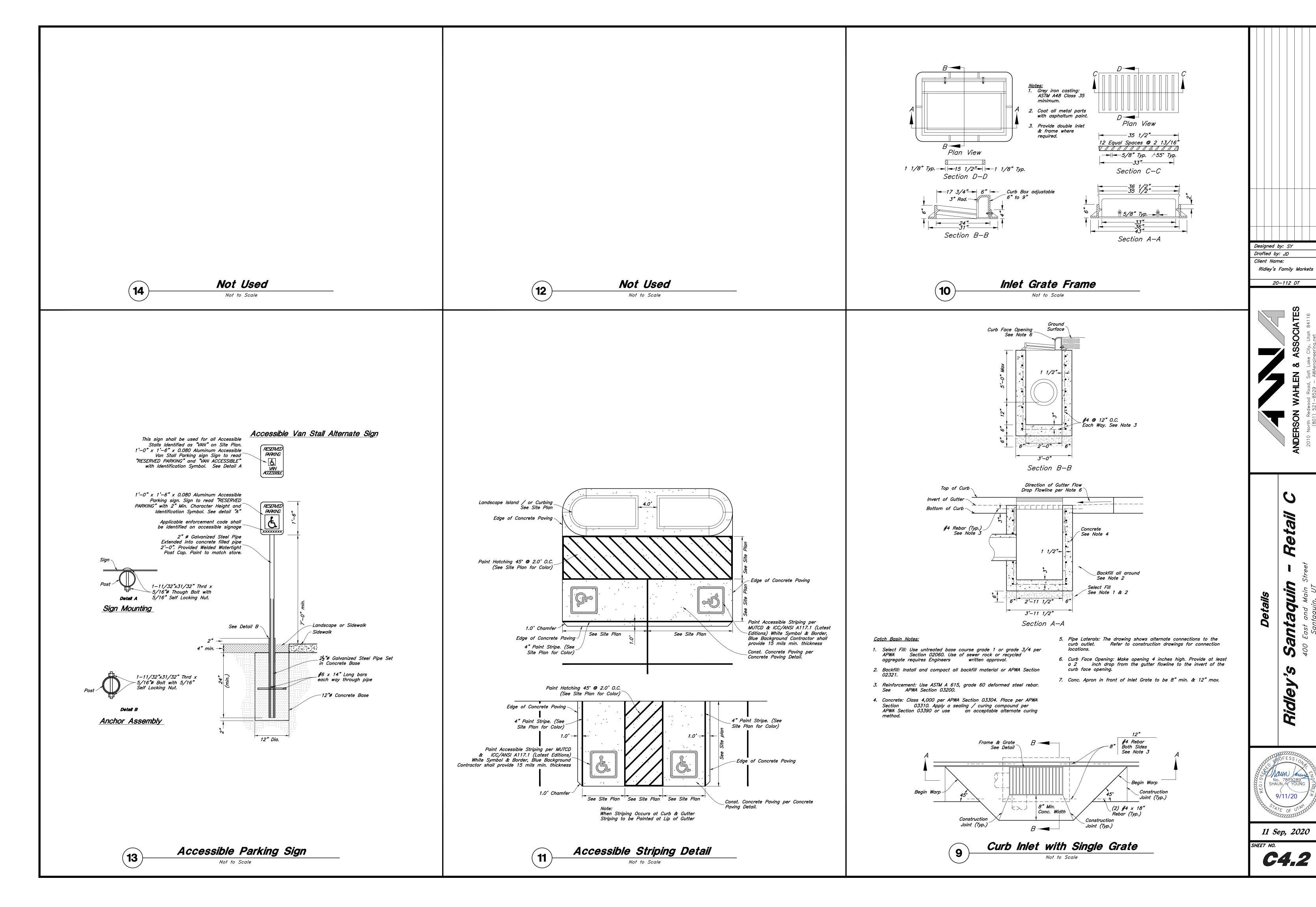
Ø

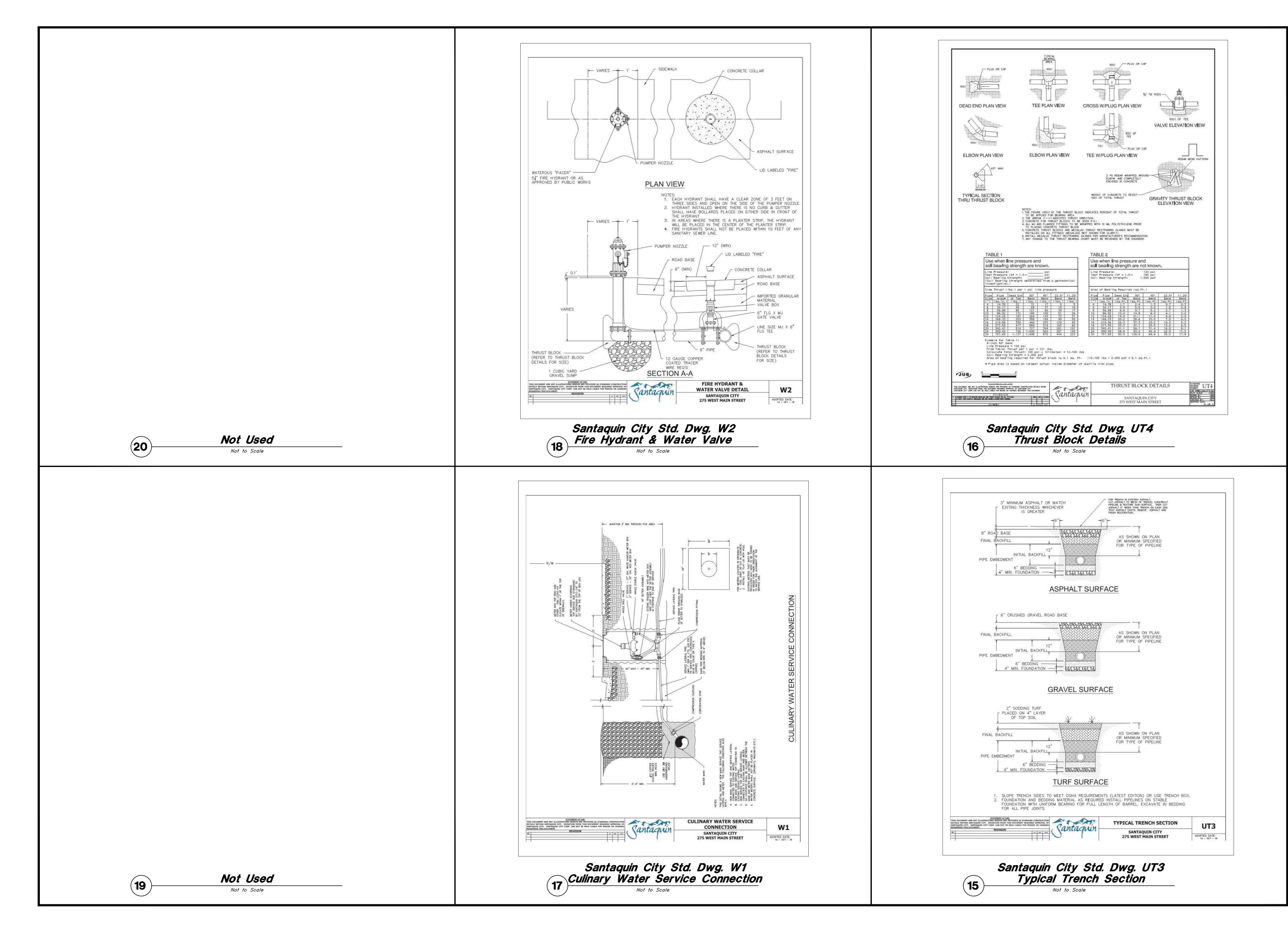


11 Sep, 2020









Designed by: SY

Drafted by: JD

Client Name:

Ridley's Family Markets

20-112 DT

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

in - Retail C

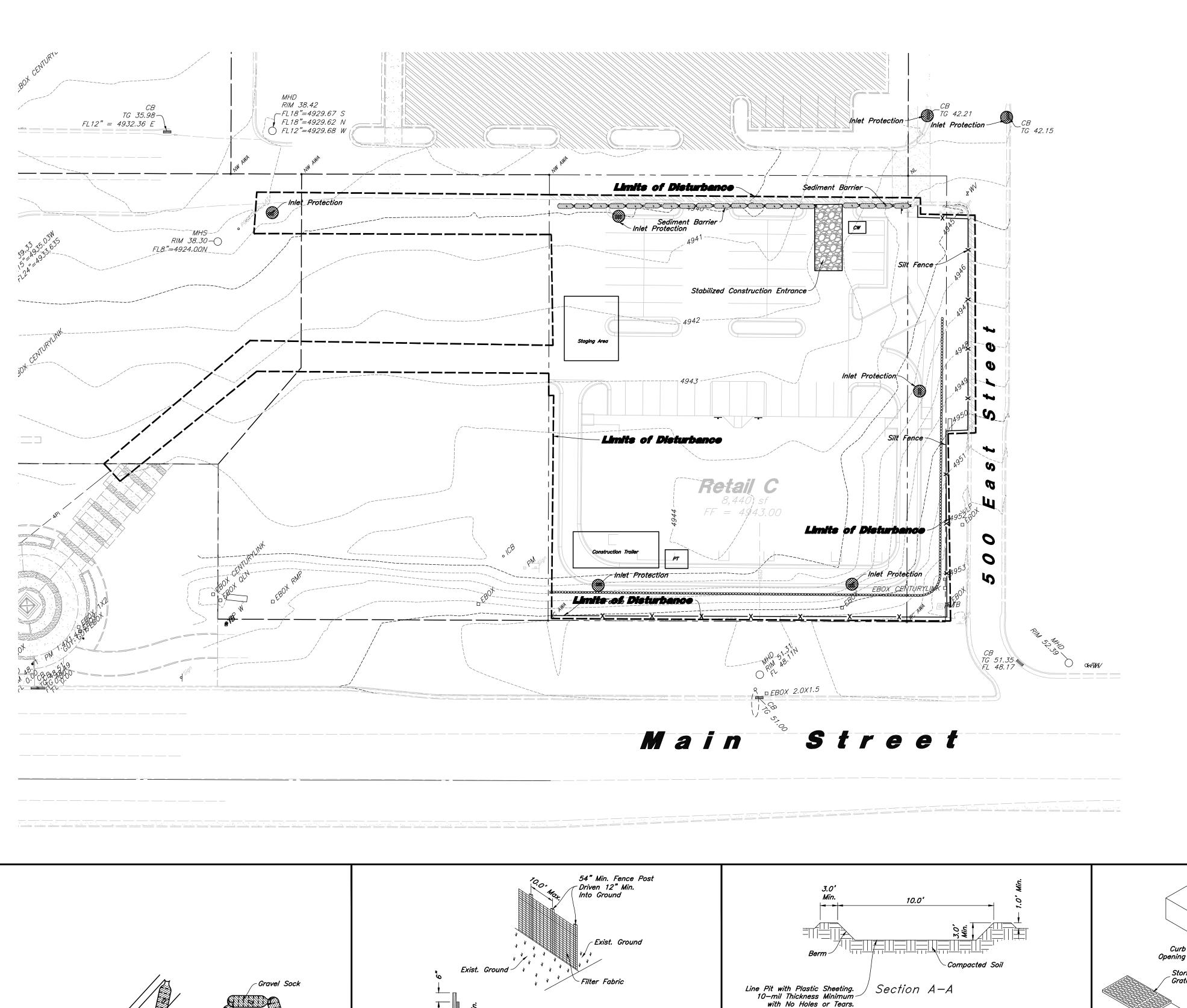
Santaquin 400 Fact and 100

Ridley's Sant

More of State of Stat

11 Sep, 2020

C4.3



<u>Legend</u>

Place Inlet Protection at all Inlet Locations to prevent boxes from silting.

Silt Fence

Limit of Disturbance

Construction Entrance / Truck Wash (50'x24' Min.)

Concrete Washout Area

CW

Portable Toilet

PT

Portable Toilet

Sediment Barrier

Existing Contour

o(78.00TA)

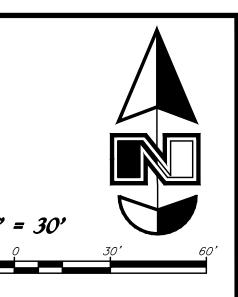
---*78---*

Erosion Control Notes

Existing Spot

Proposed Contour

- Storm water will be discharged into an existing drainage system. Existing Lines shall be inspected prior to Certificate of Occupancy and cleaned if necessary.
- 2. The Storm Water Prevention Plan shall conform to all State Division of Environmental Protection Regulations.
- 3. All Construction equipment will enter thru Designated Construction Entrances.
- 4. Coordinate Entrance locations with the local jurisdiction.
- 5. Inlet Protection Devices and Barriers shall be Repaired or Replaced if they Show Signs of Undermining or Deterioration.
- Silt Fences shall be Repaired to their Original Conditions if Damaged, Sediment shall be Removed from Silt Fences when it Reaches one—half the Height of the Silt Fence.
- 7. The Construction Entrances shall be Maintained in a Condition which will Prevent Tracking or Flow of Mud onto Public Right—of—Way. This may Require Periodic Top Dressing of the Construction Entrances as Conditions Demand.
- 8. All Materials Spilled, Dropped, Washed or Tracked from Vehicles onto Roadways or into Storm Drains must be Removed Immediately.
- Due to the Grade Changes During the Development of the Project, the Contractor shall be Responsible for Adjusting the Erosion Control Measures (Silt Fences, Inlet Protection, Etc...) to Prevent Erosion.
- 10. Contractor shall use Vehicle Tracking Control at all Locations where Vehicles will Enter or Exit the Site. Control Facilities will be Maintained while Construction is in Progress, Moved when Necessary and Removed when the Site is Paved.
- 11. Inlet Protection Devices shall be Installed Immediately upon Individual Inlets becoming Functional.
- 12. This Document is Fluid Allowing for Changes, Modifications,
 Updates and Alternatives. It is the Responsibility of the
 Contractor to Keep Record of all Alterations made to
 the Erosion Control Measures Implemented for the
 Project on this Plan and in the Storm Water Pollution
 Prevention Plan.
- 13. Cover Exposed stockpiles of soils, construction and landscaping materials with heavy plastic sheeting.
- 14. Re-vegetate areas where landscaping has died or not taken hold.
- 15. Divert storm water runoff around disturbed soils with berms or dirt swales.
- Contractor to provide permanent stabilization to any areas disturbed by construction by hydroseeding native vegetation (if not otherwise stabilized).
- 17. Contractor is responsible for obtaining a fugitive dust control permit through the Division of Air Quality. All responsibilities relating to the production of the dust control plan shall be the responsibility of the Contractor.



Designed by: SY

Drafted by: JD

Client Name:

Ridley's Family Markets
20-112 EC

NDERSON WAHLEN & ASSOCIATE

n - Retail C

Santaquin –

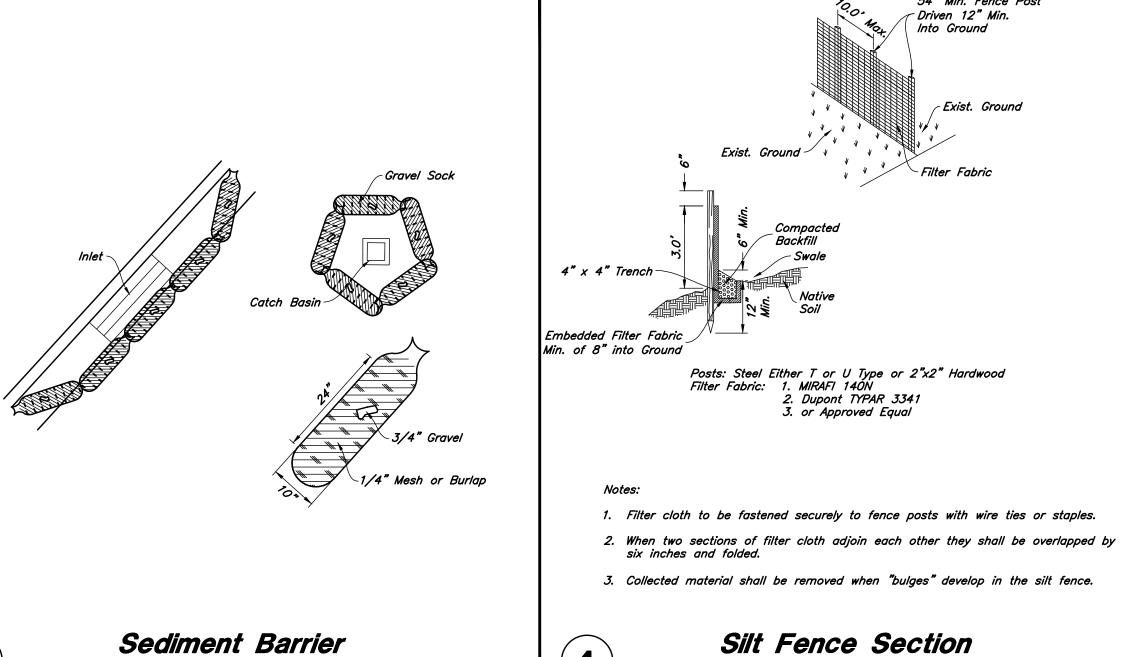
Contr

No. 78/9289
SHAUN H YOUNG
9/11/20

11 Sep, 2020

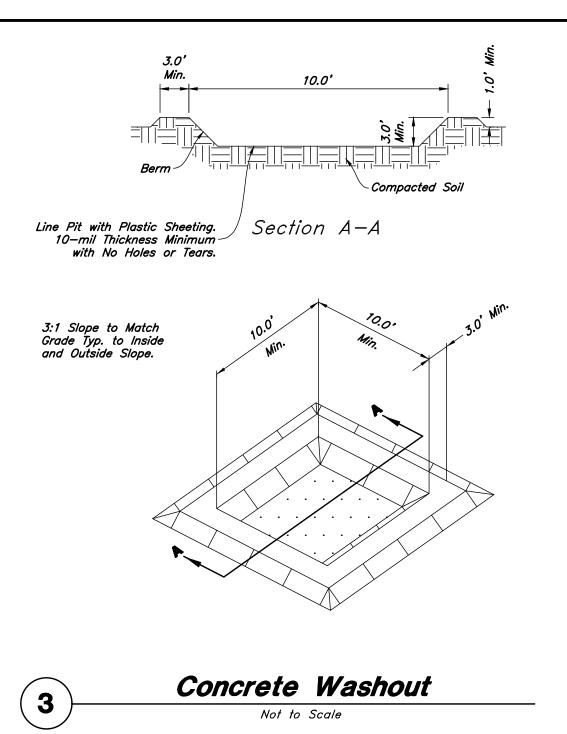
Existing Pavement

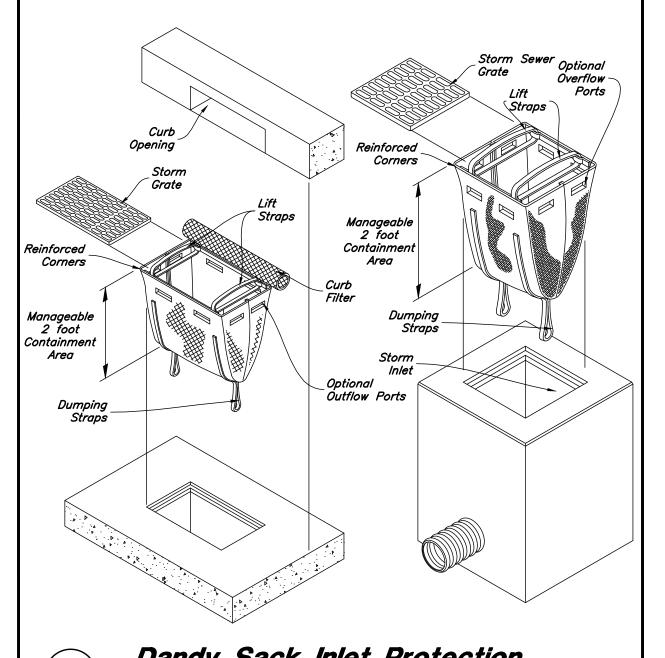
C5.1



Not to Scale

Not to Scale









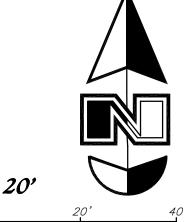
50.0' Min.

4" to 6" Coarse Aggregate

5:1 Slope ___ 3'|-__ 5:1 Slope



| DECIDUOUS TREES | <u>QTY</u> | BOTANICAL / COMMON NAME | <u>SIZE</u> | <u>REMARKS</u> |
|--|------------|---|---------------------|--------------------|
| | 8 | Zelkova serrata 'Musashino' / Musashino Zelkova | 2" Cal. / 8-10' Ht. | 45' Ht. / 15' Spr. |
| EVERGREEN TREES | <u>QTY</u> | BOTANICAL / COMMON NAME | <u>SIZE</u> | <u>REMARKS</u> |
| \bigcirc | 1 | Picea pungens 'Hoopsii' / Hoopsi Blue Spruce | 6-8° Ht. | 12' Ht. / 35' Spr. |
| ORNAMENTAL GRASSES | <u>QTY</u> | BOTANICAL / COMMON NAME | <u>SIZE</u> | <u>REMARKS</u> |
| , | 11 | Calamagrostis x a. 'Karl Foerster' / Feather Grass | 1 gal | 48" Ht. / 30" Spr. |
| \oplus | 4 | Helictotrichon sempervirens 'Sapphire' / Blue Oat Grass | 5 gal | 30" Ht. / 30" Spr. |
| <u>DECIDUOUS SHRUB</u> | <u>QTY</u> | BOTANICAL / COMMON NAME | <u>SIZE</u> | <u>REMARKS</u> |
| | 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. |
| E CONTRACTOR OF THE CONTRACTOR | 6 | Rosa Meidiland series 'Red' / Red Meidiland Rose | 5 gal | 24" Ht. / 36" Spr. |
| | 28 | Spiraea x bumalda 'Goldflame' / Goldflame Spirea | 5 gal | 26" Ht. / 26" Spr. |
| EVERGREEN SHRUB | <u>QTY</u> | BOTANICAL / COMMON NAME | <u>SIZE</u> | <u>REMARKS</u> |
| 6 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 15 | Buxus microphylla 'Wintergreen' / Wintergreen Boxwood | 5 gal | 24" Ht. / 24" Spr. |
| O WILLIAM O WILL | 30 | Juniperus horizontalis 'Bar Harbor' / Bar Harbor Creeping Juniper | 5 gal | 8" Ht. / 48" Spr. |
| \otimes | 6 | Picea pungens 'Globosa' / Dwarf Globe Blue Spruce | 5 gal | 30" Ht. / 36" Spr. |
| $\langle \cdot \rangle$ | 5 | Pinus mugo 'Slowmound' / Mugo Pine | 5 gal | 30" Ht. / 36" Spr. |
| <u>LAWN</u> | <u>QTY</u> | BOTANICAL / COMMON NAME | <u>TYPE</u> | <u>REMARKS</u> |
| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 1,654 sf | Poa pratensis / Kentucky Bluegrass Blend | sod | Detail: 4/L3.1 |



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:

- 1. 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
- 2. 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.
- 3. All Areas Disturbed by Construction Shall be Landscaped and Not Left Undone.
- 4. No Edging Shall be Used Between Different Stone. Provide a Nice Clean Smooth Flowing Defined Line Between Stone.

MATERIAL SCHEDULE

<u>Comments</u> 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. Detail: 4/L3.1 Crushed, Fractured Talon's Cove (Gray Color) Stone from Utah Landscape Rock (435–250–3851) 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. Detail: 4/L3.1 Crushed, Fractured Stone from Staker Parson Copper Canyon Pit (385-239-0804); Stone Shall Match Store Color Stone; Interlock and Secure Stone on Steep Slopes

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.

Landscape Keynotes

- (1) Install New Lawn
- Install Landscape Concrete Curbing New Retaining Wall - See Civil Plans
- New Water Meters See Utility Plan
- 5 Existing Lawn
- ⟨6⟩ Existing Shrub Planter
- $\langle 7 \rangle$ Existing Gravel Maintenance Road (8) Existing Street Tree
- Provide Nice Clean Eage Document
 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.
- 2. Contractor shall call Blue Stake before excavation for plant material.
- 3. 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.
- 4. 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
- 5. 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.
- 6. See civil and architectural drawings for all structures, hardscape, grading, and drainage information.
- 7. 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
- 8. 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.
- 9. The Owner/Landscape Architect has the right to reject any and all plant material not conforming to the plans and specifications.
- 10. 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.

- 11. 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.
- 12. The contractor shall take all necessary scheduling and other precautions to avoid winter, climatic, wildlife, or other damage to plants. The contractor shall install the appropriate plants at the appropriate time to guarantee life of plants
- 13. The contractor shall install all landscape material per plan, notes and details.
- 14. All existing and relocated trees shall be properly protected. Trees damaged during construction shall be replaced at no cost to the owner.
- 15. Plant names are abbreviated on the drawings, see plant Ischedule for symbols, abbreviations, botanical, common names, sizes, estimated quantities and remarks.
- 16. No grading or soil placement shall be undertaken when soils are wet or frozen.
- 17. 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.
- 18. 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.
- 19. Provide a 12" depth of stockpiled or imported topsoil in parking islands and an 8 inch depth in all
- 20. 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.
- 21. 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

- 22. 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 basket.
- 23. 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
- 24. 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.
- 25. 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
- 26. Provide a 4 inch depth of stockpiled or imported topsoil in all lawn areas.
- 27. Sod must be premium quality, evenly cut, established, healthy, weed and disease free, and from an approved source.
- 28. 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.
- 29. 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.





11 Sep, 2020

D

Designed by: SY

Drafted by: JD Client Name:

Ridley's Family Markets

20-112 LS

く

street

General Irrigation Notes:

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 appurtenances, 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
- 5. 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.
- 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 manufactures 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 instruction manual and all products data to operate, check, winterize, repair, and adiust 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 Landscape Architect to schedule pre and post guarantee inspection meetings. Failure to do so will mean the official quarantee 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. Assure the complete system has no documented problems and full head to head coverage 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 manufactures specifications for measured static p.s.i. Teflon tape all threaded fittings. The minimum depth of lateral lines shall 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 manufactures 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 metals 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 shall be made with water tight connectors (DBR/Y 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 for ease of maintenance and repair. Install one (1) cubic feet of pea gravel for sump in base of boxes. Boxes to be Carson Brooks or equal.

IRRIGATION SCHEDULE

Schedule 40 PVC

Schedule 40 PVC

Rain Bird ESP4MEI

Rain Bird ESPSM3

Rain Bird LNKWIFI

Controller & Accessories

Sleeving

| INNIG | ATION SCHEDUL | <u>LE</u> | | |
|--|---|---|---|---------------|
| Sprayheads | / Rotors | | | |
| <u>Symbol</u> | Manufacturer/Model # | <u>Description</u> | <u>Notes</u> | <u>Detail</u> |
| 3 08HE-VAN10 10HE-VAN12 12HE-VAN15 15HE-VAN | Rain Bird 1804 | 4" Pop—Up Sprayhead with Adjustable Nozzle | Adjust Radius Reduction Screws as Needea to Achieve Appropriate Radii Coverages | 13/L3.1 |
| 1.0 2.0 | Rain Bird 3504—PC | 4" Pop-Up Rotor with Adjustable Nozzle | Adjust Radius Reduction Screws as Needea to Achieve Appropriate Radii Coverages | 13/L3.1 |
| Valves | | | | |
| | Rain Bird 100—PESB | Lawn Remote Control Valve with Scrubber Technology | 1 Inch Size; Install in Standard Valve Box with 3" Depth of Gravel over Weed Barrier; Install with Water Proof Wire Connectors | 14/L3.1 |
| | Rain Bird XCZ-100-PRB-COM | Drip Remote Control Valve Kit | 1 Inch Size; Install in Standard Valve Box with 3" Depth of Gravel over Weed Barrier; Install with Water Proof Wire Connectors | 6/L3.1 |
| $\langle Q \rangle$ | Rain Bird 44-NP | Quick Coupler with Non—Potable Cover and Swing Joint | 1 Inch Size; Install in 10" Round Valve Box with 3" Depth of Gravel over Weed Barrier | 7/L3.1 |
| $\langle D \rangle$ | Matco-Norca 759 | Manual Drain Ball Valve | 3/4 Inch Size; Install at End of the Mainline in a 10" Round Valve Box with Weed Barrier and a Gravel Sump | 10/L3.1 |
| Drip | | | | |
| | PVC Pipe To Drip Tubing | Provide Connection Fittings | Install 1" Feeder Line To All Drip Areas | 11/L3.1 |
| | Rain Bird XBS-075 Rain Bird XQ-100 Rain Bird XB-20PC Rain Bird TS025 Rain Bird DBC-025 Rain Bird MDCFCAP | 3/4" Distribution Tubing — Pipe shown on Plan is Sci 1/4" Distribution Tubing — Install one per Emitter Xeri—Bug Emitter (2 Gal/Hr.) — 1 per Perennial, 2 p Tie Down Stake — Tubing to be Staked every 3' Diffuser Bug Cap — Install one per Emitter Removable Flush Cap — Install at the End of Each Li | er Shrub/Ornamental Grass, 5 per Tree | 5&9/L3.1 |
| P.O.C. Com | ponents | | | |
| | Mueller Oriseal Mark II | Stop and Waste Valve | 1 Inch Size; Install in 10" Round Valve Box with Weed Barrier and Gravel Sump | 16/L3.1 |
| | Amiad Tagline Canister Filter | Secondary Water Filter | 1 Inch Size; Filter with 155 Mesh; Install in Regular Size Box with Weed Barrier and 3" Depth of Clean Gravel; Filter Shall be Installed Underground | 15/L3.1 |
| Pipes | | | | |

1 Inch Size; See Plan for Locations; Schedule 40 Fittings Shall be Used for

See Plan for Location of Controller,

of Sleeving with the Installation of

Sleeving Shall be by the Landscape Contractor Unless Otherwise Noted

Coordinate Power Supply With Building

Contractor Shall Coordinate the Installation

Concrete Flatwork and Asphalt Paving; All 17/L3.1

See Plan for Pipe Sizes; Pipes Unmarked Shall be 1 Inch; Minimum Pipe Size Shall

12/L3.1

Mainline Components

Electrical Contractor

be 1 Inch for PVC Pipe

VALVE SCHEDULE

Provide for Irr. Mainlines, Laterals, and Controller

Wire Located Under Concrete and Asphalt Paving

| 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 | <i>8.75</i> | <i>36.98</i> | <i>46.57</i> | 0.85 in/h |
| 3 | 1 " | Shrub Area — Drip Emitters | 3.70 | <i>33.27</i> | 35.06 | 0.47 in/h |
| 4 | 1" | Area for Drip Emitters | 4.06 | 33.54 | <i>35.62</i> | 0.37 in/h |
| 5 | 1 " | Area for Drip Emitters | 4.13 | <i>33.74</i> | <i>35.37</i> | 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 in each retainer lug. Install where shown on

Mainline Pipe

WIFI Module

at Specified Depths

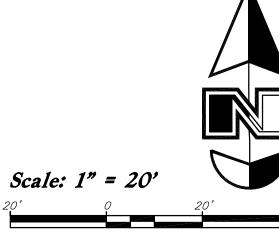
Lateral Line Pipe

4 Base Station Indoor Controller

3 Station Expansion Module

- 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 coordinate 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
- 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 as much as possible. This shall include selecting the best degree of arc to fit 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 irriaation 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 PVC pipe distribution system connecting drip irrigated planter areas. Poly tubing or drip line shall be run off the rigid PVC in each planting 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 lighting 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
- 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



General Irrigation Note

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

Irrigation Notes

- 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.



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

D

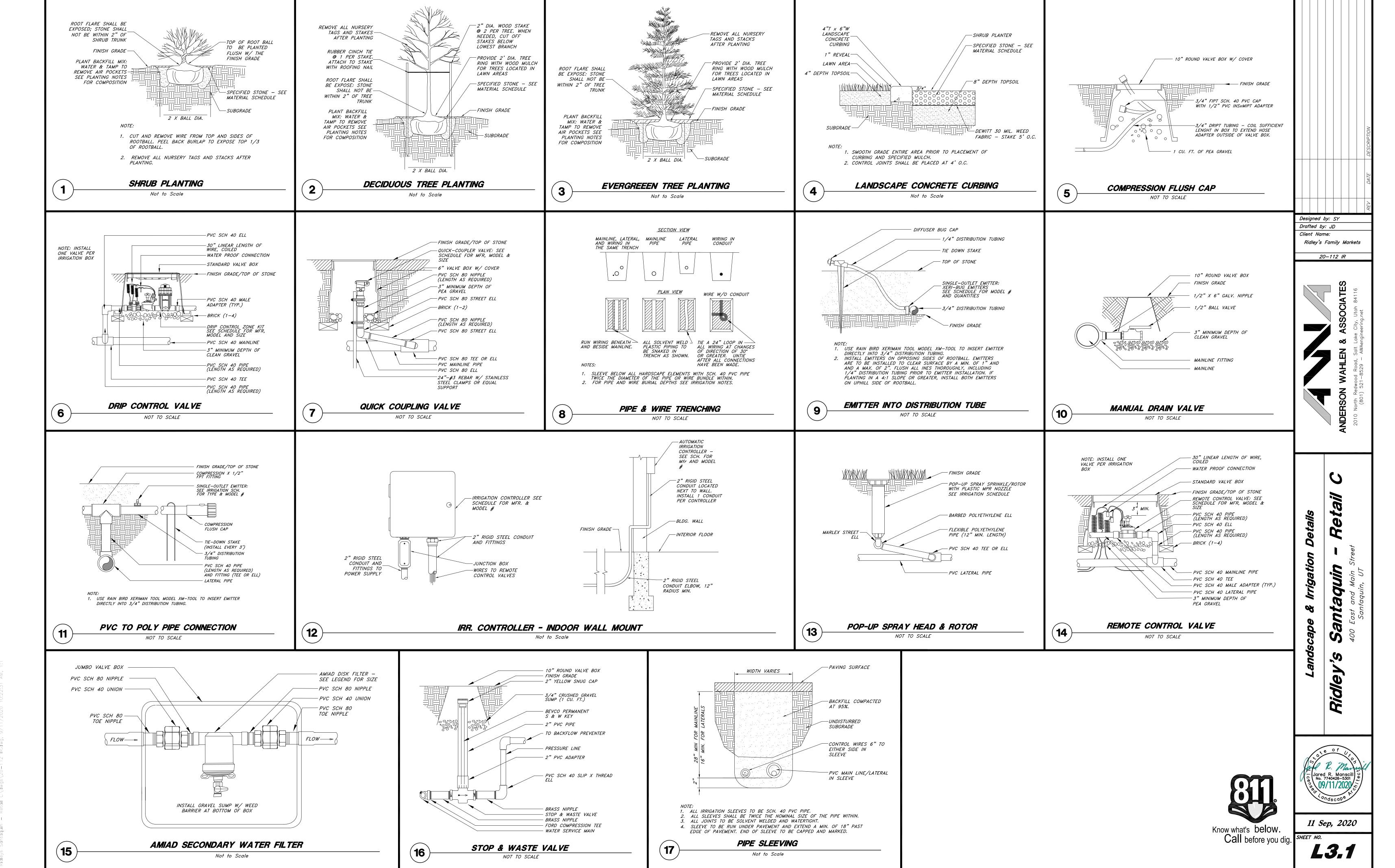
antaquin

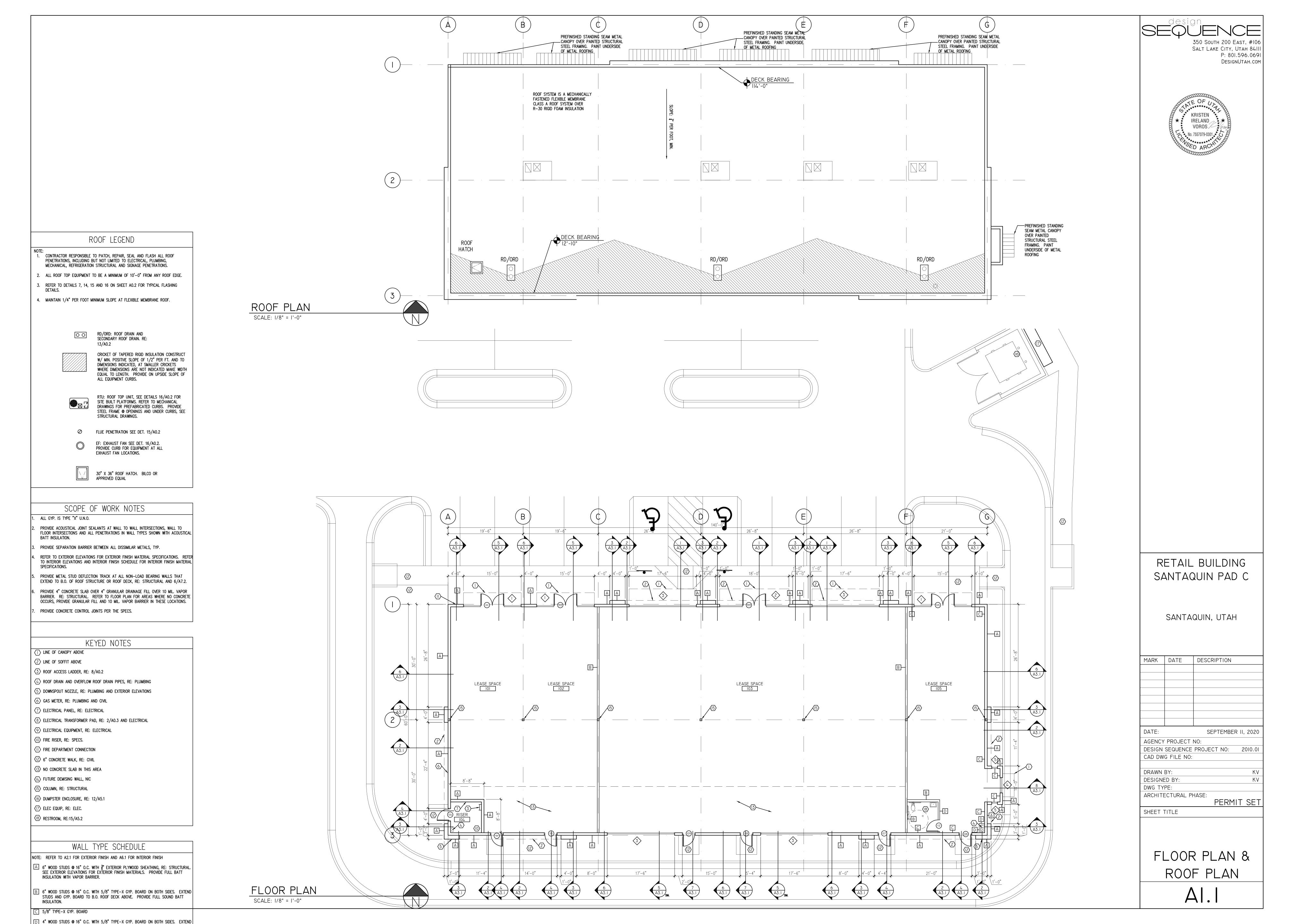
S S

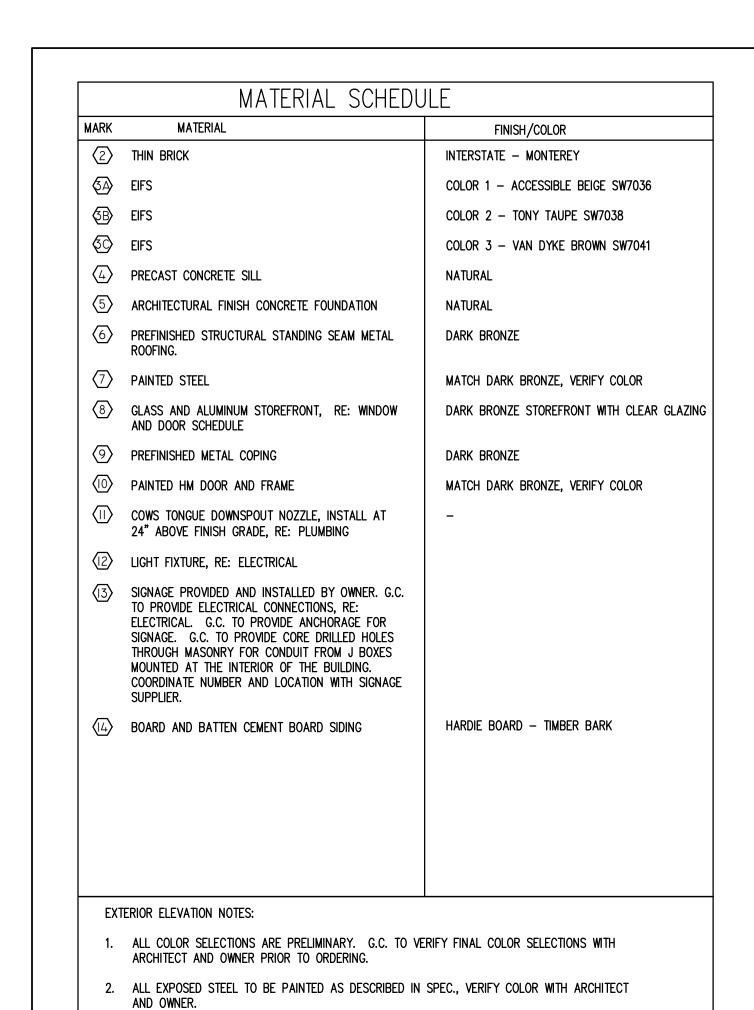
Irrigation

11 Sep, 2020









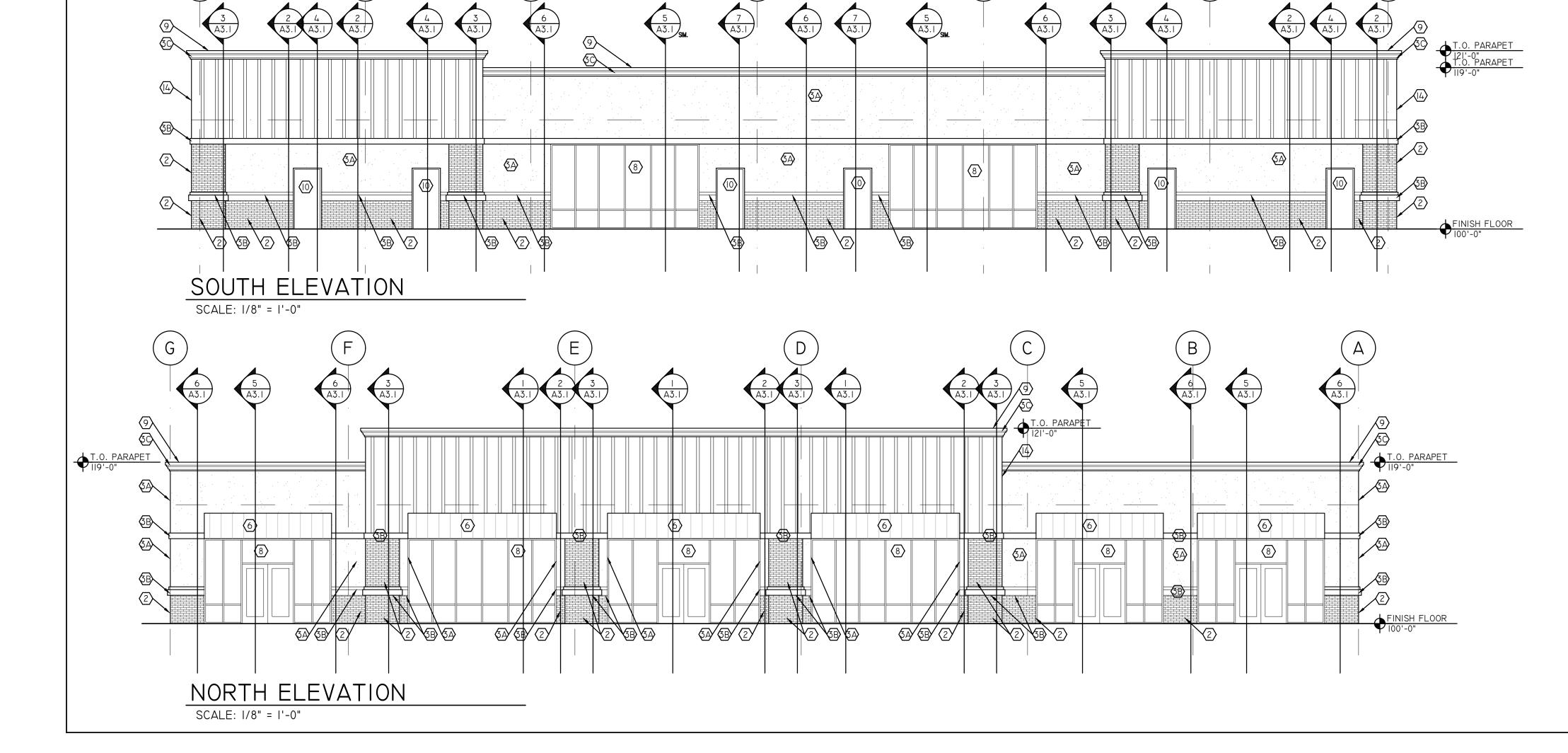
UNDERSIDE OF PREFINISHED METAL STANDING SEAM ROOFING TO BE PAINTED. VERIFY COLOR

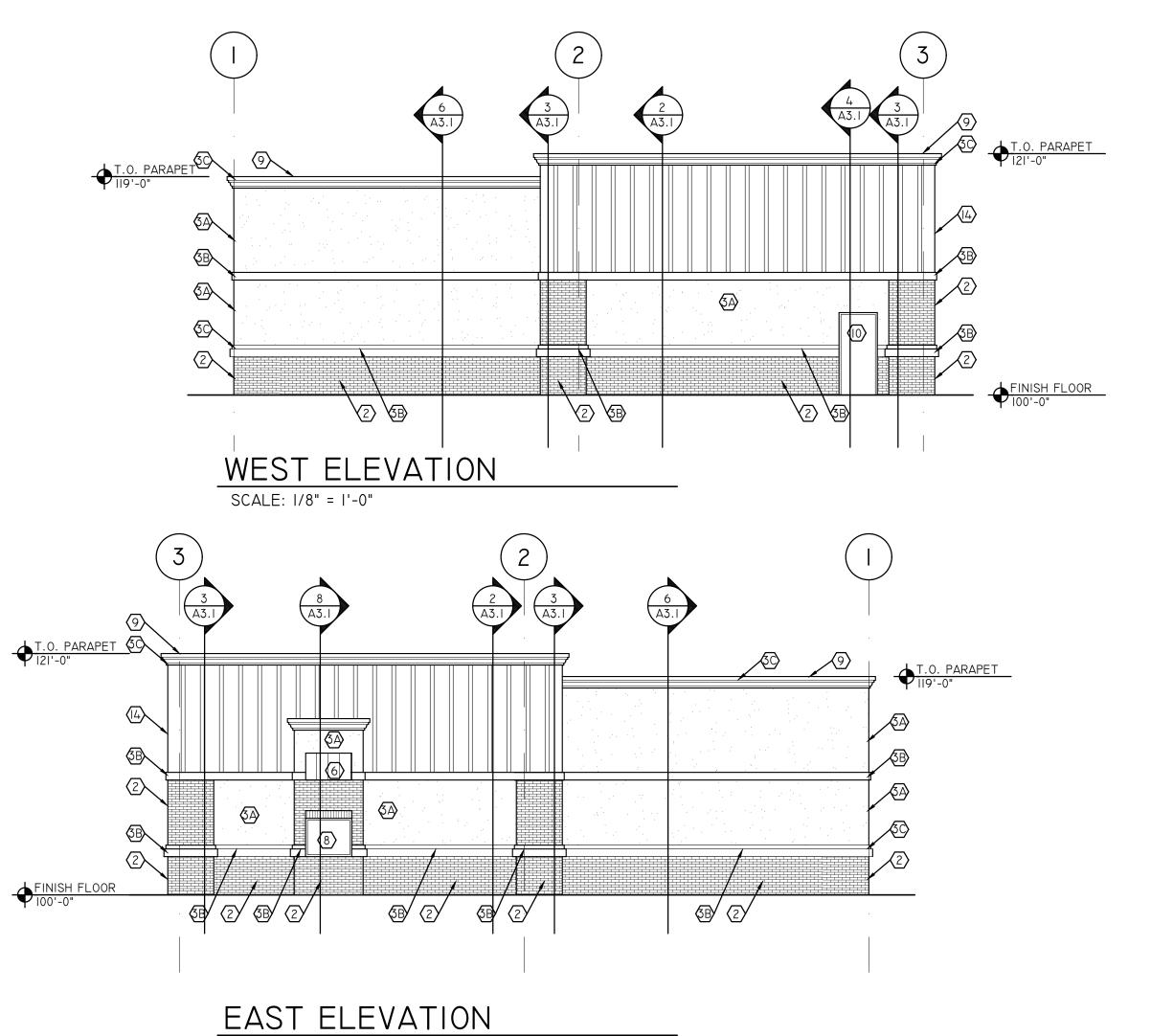
5. PROVIDE COLORED MORTAR AT CMU AND BRICK. COLOR TO BE SELECTED BY THE ARCHITECT

WITH ARCHITECT AND OWNER.

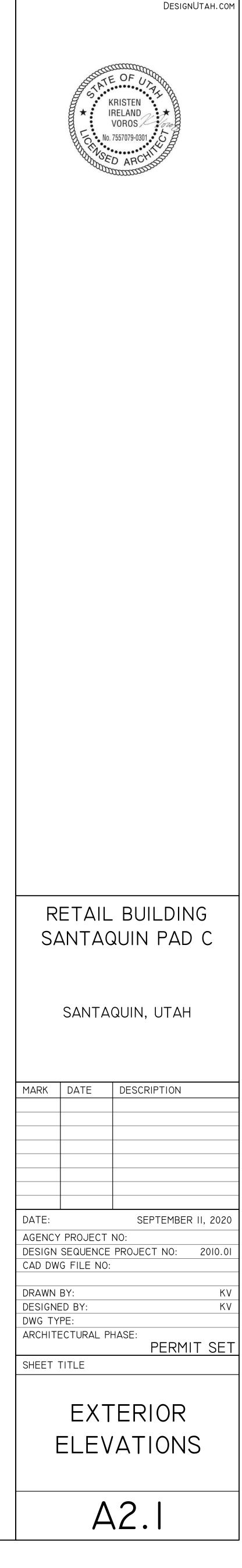
4. PROVIDE MASONRY CONTROL JOINTS AS SHOWN, RE: 7/A5.2.

FROM THE MANUFACTURERS FULL LINE OF COLORS.



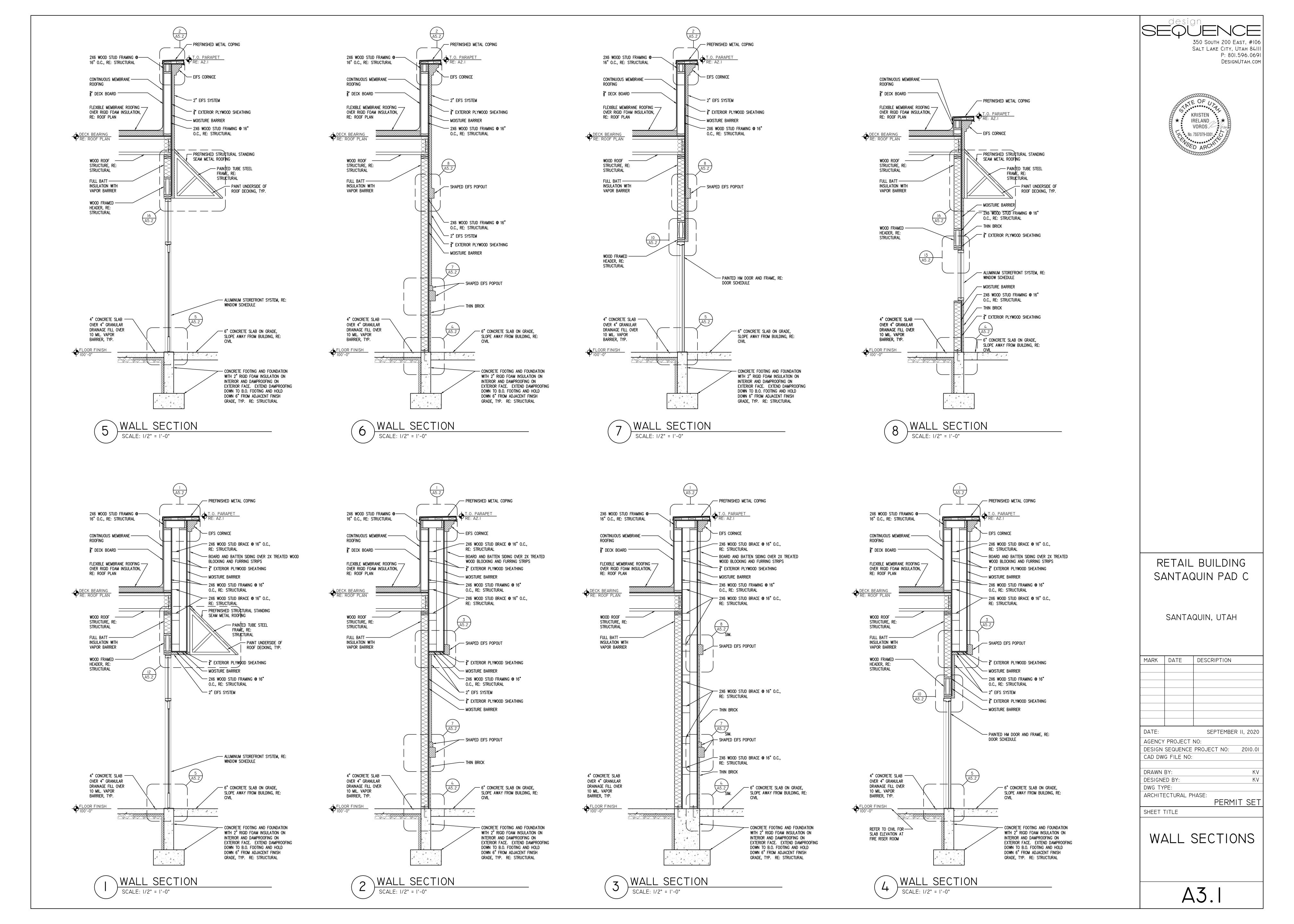


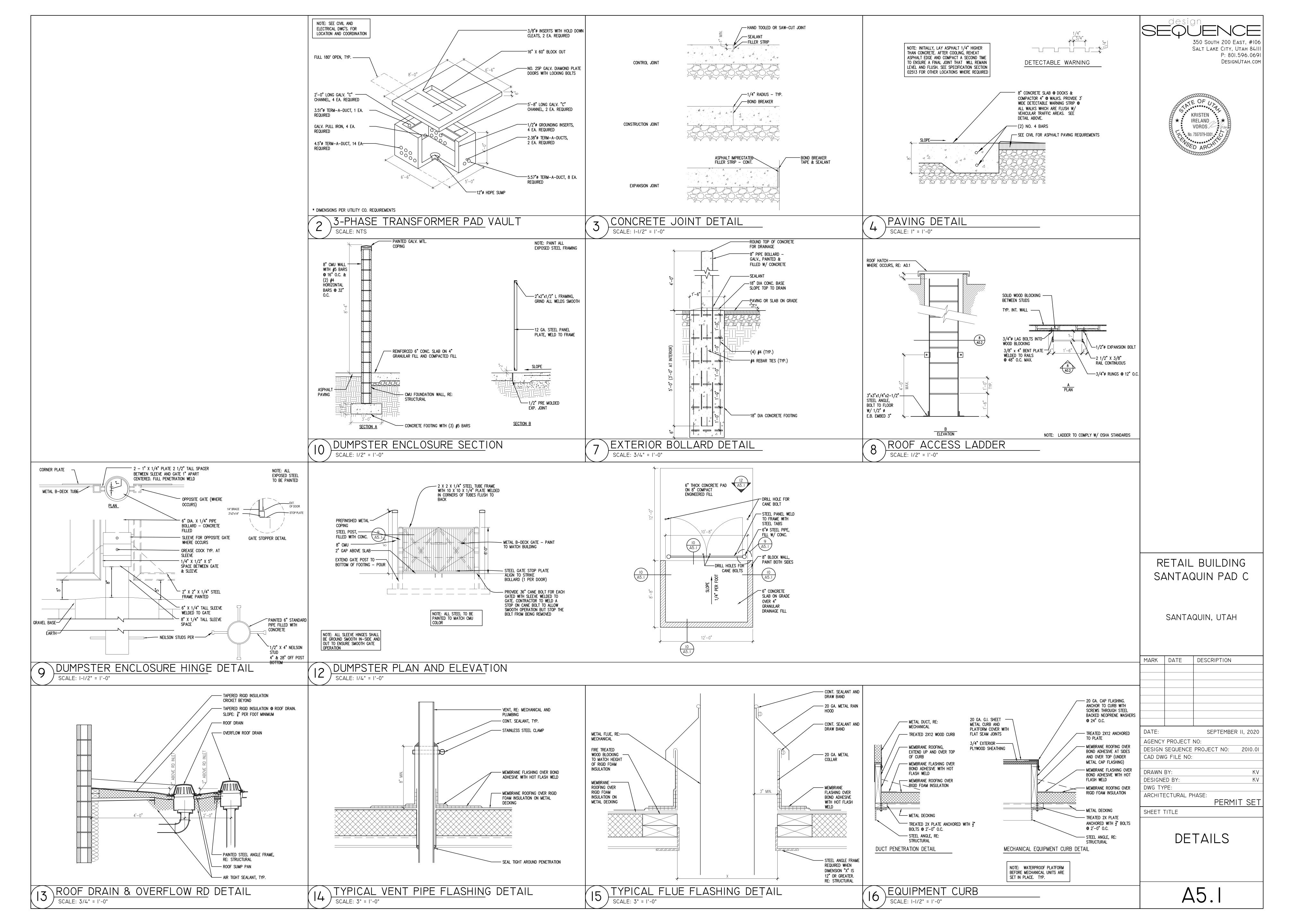
SCALE: I/8" = I'-0"

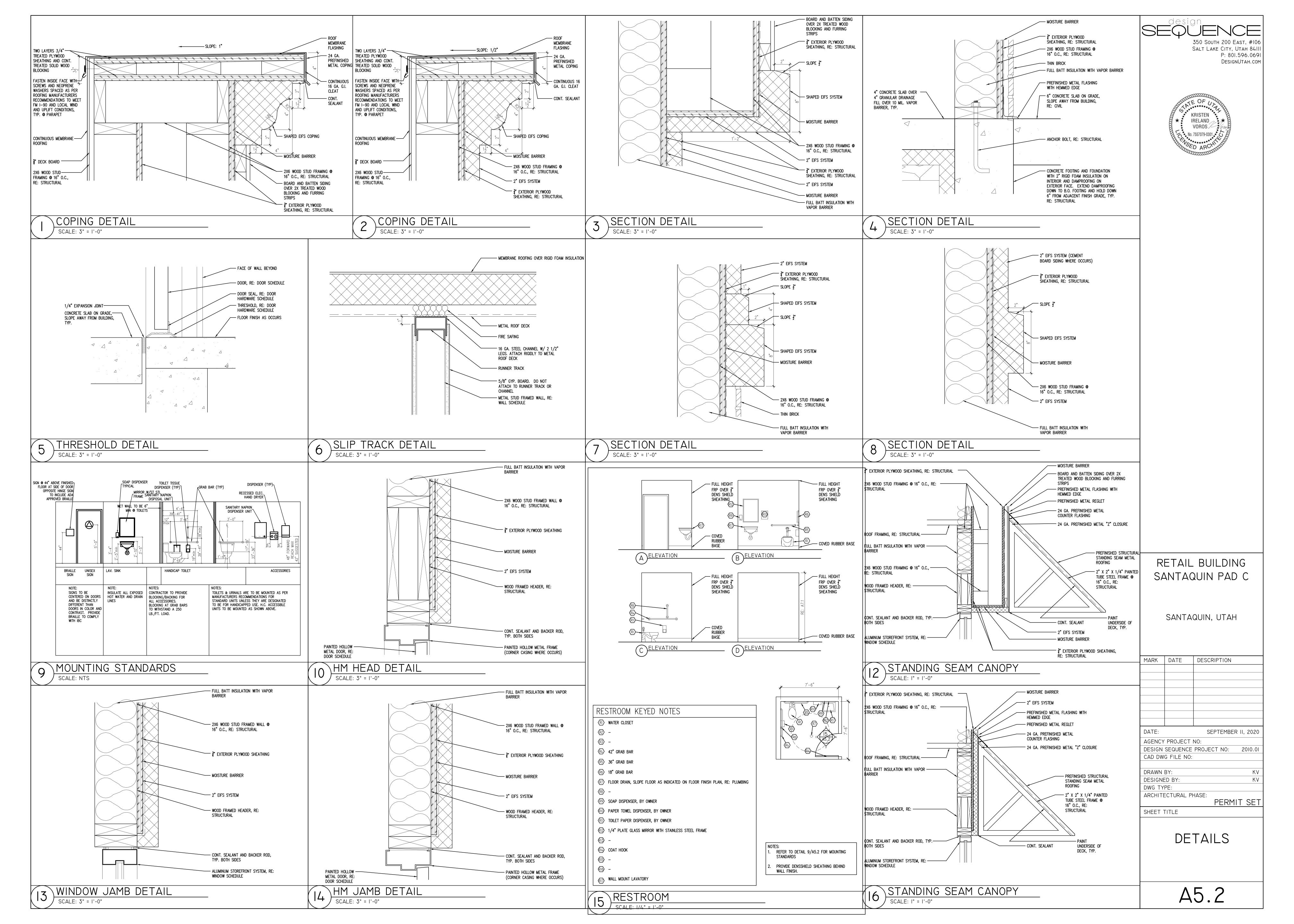


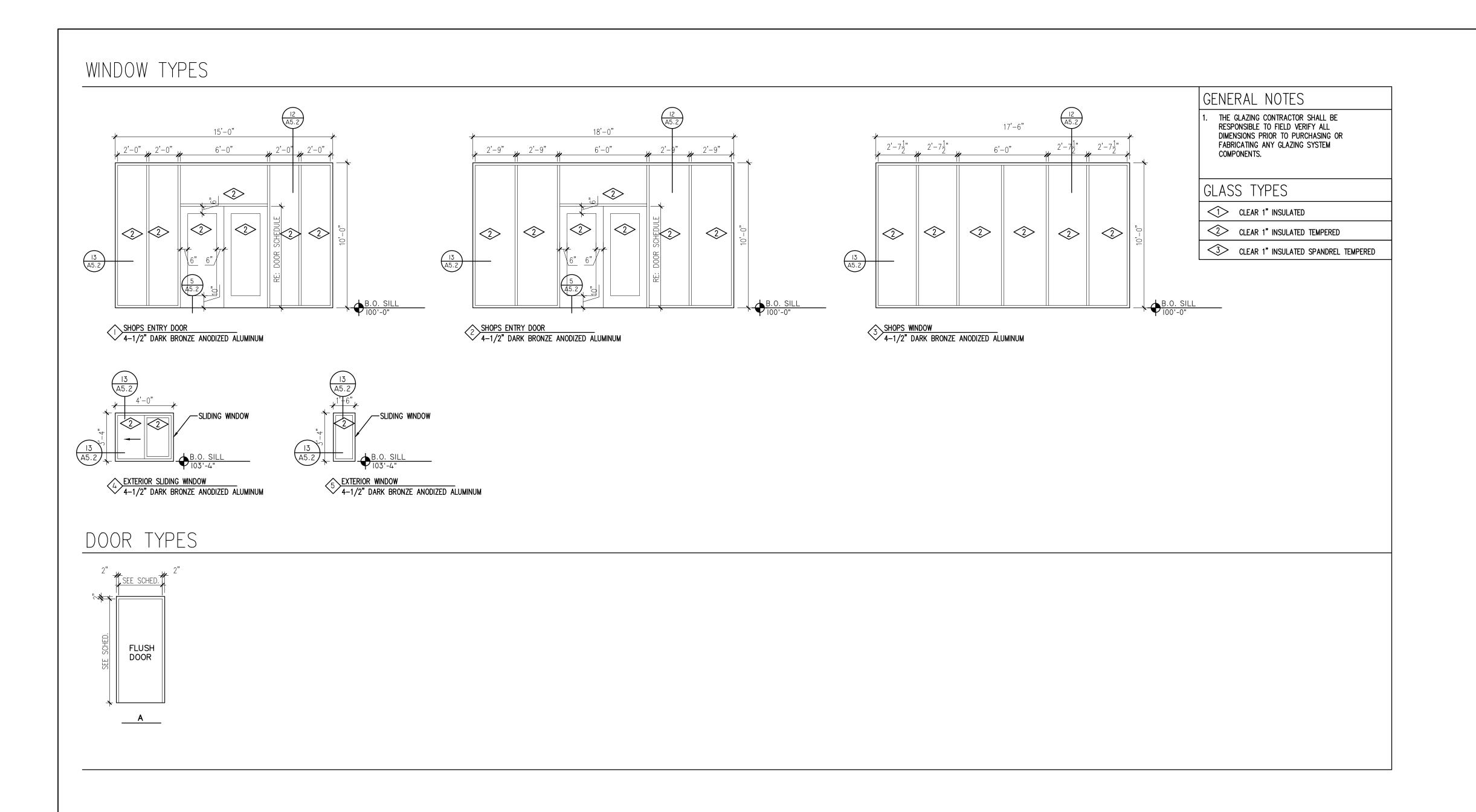
SALT LAKE CITY, UTAH 84111

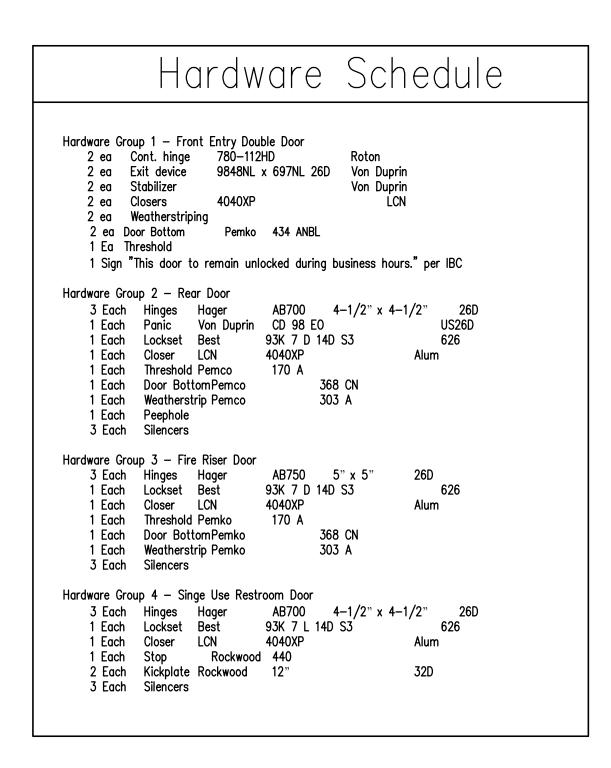
P: 801.596.0691











| | | | | D C | OR | SC | HEI | O U L | E | | |
|------------------------|---|--|---|---|---|---------------------|--------------|--------------|--------|-------------------|-------|
| | DO | O R | | | | | FR | AME | | | |
| | | | SIZE | | | | | DETAILS | | | NOTES |
| TYPE | MATERIAL | W | Н | Т | MATERIAL | FIRE RATING | HEAD | JAMB | THRES. | HARDWARE GROUP | |
| SEE WINDOW SCHEDULE | ALUM | 3'-0" | 7'-0" | | ALUM | | 12/A5.2 | 13/A5.2 | 5/A5.2 | 1 | |
| SEE WINDOW | ALUM | 3'-0" | 7'-0" | | ALUM | | 12/A5.2 | 13/A5.2 | 5/A5.2 | 1 | |
| SEE WINDOW | ALUM | 3'-0" | 7'-0" | | ALUM | | 12/A5.2 | 13/A5.2 | 5/A5.2 | 1 | |
| Α | НМ | 4'-0" | 7'-0" | 1-3/4" | НМ | 20 MIN. | 10/A5.2 | 14/A5.2 | 5/A5.2 | 3 | |
| SEE WINDOW SCHEDULE | ALUM | 3'-0" | 7'-0" | 1-3/4" | ALUM | | 12/A5.2 | 13/A5.2 | 5/A5.2 | 1 | |
| A | НМ | 3'-0" | 7'-0" | 1-3/4" | НМ | | 10/A5.2 | 14/A5.2 | 5/A5.2 | 2 | |
| Α | НМ | 3'-0" | 7'-0" | 1-3/4" | НМ | | 10/A5.2 | 14/A5.2 | 5/A5.2 | 2 | |
| Α | НМ | 3'-0" | 7'-0" | 1-3/4" | НМ | | 10/A5.2 | 14/A5.2 | 5/A5.2 | 2 | |
| A | НМ | 3'-0" | 7'-0" | 1-3/4" | НМ | | 10/A5.2 | 14/A5.2 | 5/A5.2 | 2 | |
| Α | НМ | 3'-0" | 7'-0" | 1-3/4" | НМ | | 10/A5.2 | 14/A5.2 | 5/A5.2 | 2 | |
| A | НМ | 3'-0" | 7'-0" | 1-3/4" | НМ | | 10/A5.2 | 14/A5.2 | 5/A5.2 | 2 | |
| A | НМ | 3'-0" | 7'-0" | 1-3/4" | НМ | | 10/A5.2 SIM. | 14/A5.2 SIM. | | 4 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | SEE WINDOW SCHEDULE SEE WINDOW SCHEDULE A SEE WINDOW SCHEDULE A A A A A A A A A A A A | TYPE MATERIAL SEE WINDOW SCHEDULE SEE WINDOW SCHEDULE SEE WINDOW SCHEDULE A HM SEE WINDOW SCHEDULE A HM A H | TYPE MATERIAL W SEE WINDOW SCHEDULE ALUM 3'-0" SEE WINDOW SCHEDULE ALUM 3'-0" SEE WINDOW SCHEDULE ALUM 3'-0" A HM 4'-0" SEE WINDOW SCHEDULE ALUM 3'-0" A HM 3'-0" | DOOR SIZE TYPE MATERIAL W H SEE WINDOW SCHEDULE ALUM 3'-0" 7'-0" SEE WINDOW SCHEDULE ALUM 3'-0" 7'-0" A HM 4'-0" 7'-0" SEE WINDOW SCHEDULE ALUM 3'-0" 7'-0" A HM 3'-0" 7'-0" | DOOR SIZE TYPE MATERIAL W H T SEE WINDOW SCHEDULE ALUM 3'-0" 7'-0" 7'-0" SEE WINDOW SCHEDULE ALUM 3'-0" 7'-0" | TYPE MATERIAL W | Type | TYPE | TYPE | TYPE | TYPE |

| | | BA | SE | | | WA | | <u>. </u> | | | MATERIAL |
|----------------------|-----|-----|-----|-----|-----|-----|-----|--|-------------------------------------|--------------------|---|
| ROOM NUMBER AND NAME | N | Е | S | W | N | Е | S | W | NOTES | MATERIAL NUMBER | MATERIAL DESCRIPTION |
| 101 – LEASE SPACE | B-2 | B-2 | B-2 | B-2 | W-9 | W-9 | W-9 | W-9 | | B-1 | 6" RUBBER COVED |
| 102 – LEASE SPACE | B-2 | B-2 | B-2 | B-2 | W-9 | W-9 | W-9 | W-9 | | B-2 | NO BASE |
| 103 - LEASE SPACE | B-2 | B-2 | B-2 | B-2 | W-9 | W-9 | W-9 | W-9 | | B-3 | 6" HIGH SEALED CONCRETE CURE |
| 104 - RISER ROOM | B-2 | B-2 | B-2 | B-2 | W-8 | W-8 | W-8 | W-8 | 1-HOUR RATED, SEAL ALL PENETRATIONS | B-4 | CART BUMPER, OFCI |
| 105 - LEASE SPACE | B-1 | B-1 | B-1 | B-1 | W-1 | W-1 | W-1 | W-1 | | B-5 | COVED TILE BASE |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | W-1 | PAINTED GYP. BOARD |
| | | | | | | | | | | W-2 | TILE/FRP/STAINLESS STEEL OVEF 1/2" DENS SHIELD BACKER BOAR RE: WALL FINISH PLAN |
| | | | | | | | | | | W-3 | 10'-0" X 3/4" PLYWOOD WAINSCOT WITH GYP. BOARD ABOVE (TAPE & SAND ONLY, 1-COAT FINISH) |
| | | | | | | | | | | W-4 | UNPAINTED MASONRY |
| | | | | | | | | | | W-5 | PAINTED MASONRY |
| | | | | | | | | | | W-6 | METAL WALK-IN BOX, BY MANUFACTURER |
| | | | | | | | | | | W-7 | FRP TO 10'-0" AFF WITH GYP. BOARD ABOVE (TAPE & SAND ONLY, 1-COAT FINISH) |
| | | | | | | | | | | W-8 | TAPE AND SAND ONLY, 1-COAT |
| | | | | | | | | | | W-9 | EXPOSED STUDS |





RETAIL BUILDING SANTAQUIN PAD C

SANTAQUIN, UTAH

MARK DATE DESCRIPTION

DATE: SEPTEMBER II, 2020
AGENCY PROJECT NO:

DESIGN SEQUENCE PROJECT NO: 2010.01 CAD DWG FILE NO:

DRAWN BY: K
DESIGNED BY: K
DWG TYPE:

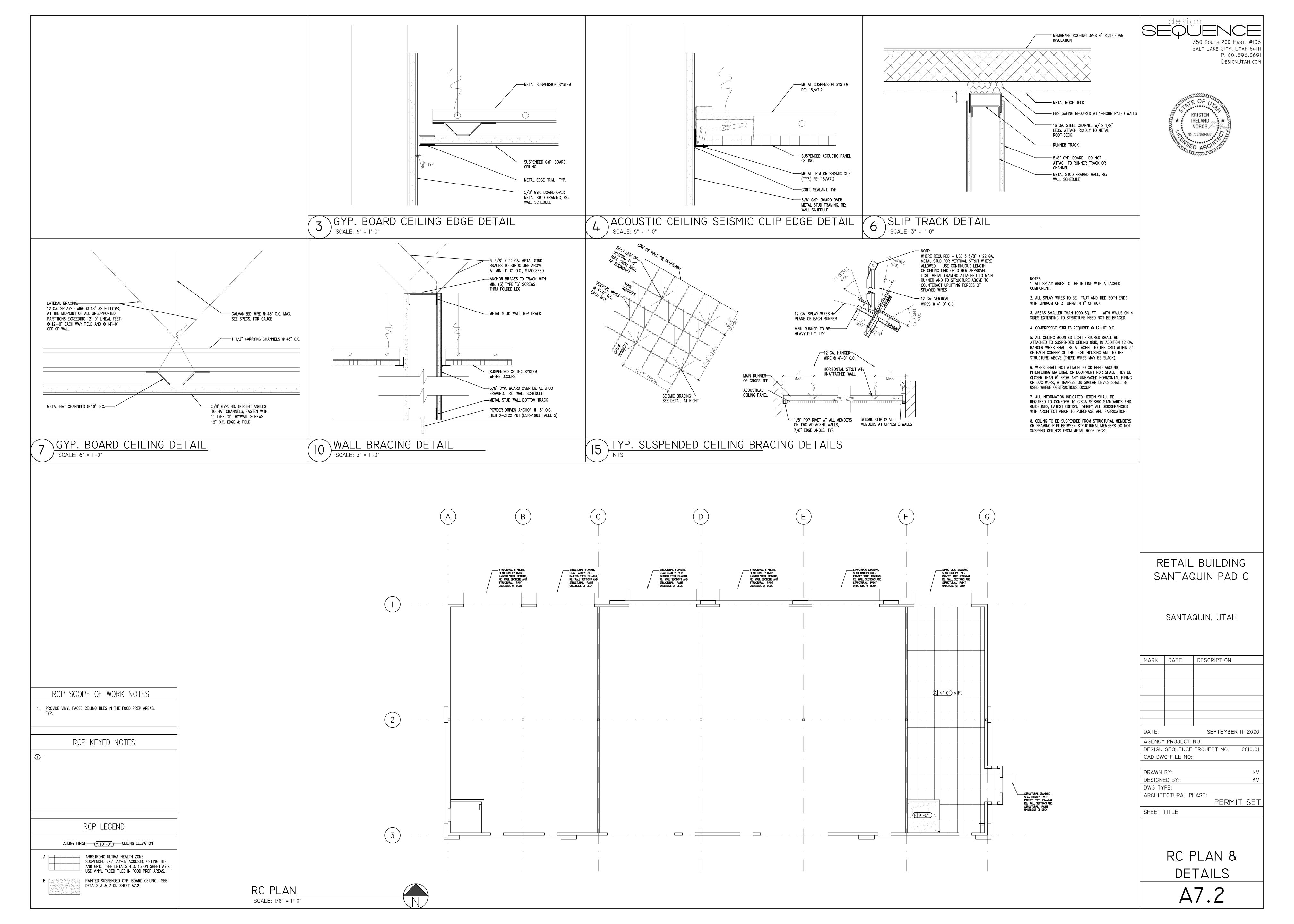
PERMIT SET

ARCHITECTURAL PHASE:

SHEET TITLE

SCHEDULES

A6.1



STRUCTURAL NOTES

- 1. THE STRUCTURAL NOTES ARE INTENDED TO COMPLEMENT THE PROJECT SPECIFICATIONS WHICH ARE PART OF THE CONSTRUCTION DOCUMENTS, SPECIFIC NOTES AND DETAILS ON THE DRAWINGS SHALL GOVERN OVER THE STRUCTURAL NOTES AND TYPICAL DETAILS.
- 2. THESE DRAWINGS (AND. WHERE APPLICABLE, ACCOMPANYING WRITTEN SPECIFICATIONS) ARE THE ONLY CONTRACT DOCUMENTS PROVIDED BY ARW ENGINEERS FOR THE PROJECT REPRESENTED HEREIN. NOTHING IN ANY DIGITAL MODEL OR DIGITAL FILE RELATED TO THIS PROJECT SHALL BE TAKEN TO SUPERSEDE ANY INFORMATION SHOWN IN THESE DRAWINGS (INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, SIZES, ETC).
- 3. THE ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. THE STRUCTURAL DRAWINGS ARE SUPPLEMENTARY TO AND MUST BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND OTHER CONSULTANTS DRAWINGS. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN CASE OF CONFLICT, FOLLOW THE MOST STRINGENT REQUIREMENT AS DIRECTED BY THE
- ARCHITECT AT NO ADDITIONAL COST TO THE OWNER. 4. SEE SPECIFICATIONS FOR REQUIRED SUBMITTALS. SUBMITTALS SHALL BE MADE IN A TIMELY MANNER AS INDICATED IN SPECIFICATIONS. REVIEW OF SUBMITTALS BY ARW ENGINEERS IS FOR GENERAL COMPLIANCE ONLY AND IS NOT INTENDED AS APPROVAL. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SIZES, DIMENSIONS, AND ELEVATIONS ON SUBMITTALS AS RELATED TO DESIGN DOCUMENTS, PREPARATION OF SHOP DRAWINGS FOR STRUCTURAL ELEMENTS WILL REQUIRE INFORMATION (I.E. DIMENSIONS, ETC.) FOUND IN THE ARCHITECTURAL, STRUCTURAL, AND OTHER CONSULTANTS DRAWINGS.
- . THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE. IF ACTUAL CONDITIONS DIFFER FROM THOSE SHOWN ON CONTRACT DOCUMENTS, CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO FABRICATION OR CONSTRUCTION OF ANY AFFECTED ELEMENTS.
- $6.^{\circ}$ THE CONTRACTOR SHALL COORDINATE AND VERIFY ALL LOCATIONS AND SIZES OF MECHANICAL EQUIPMENT OR OTHER EQUIPMENT BEFORE FABRICATING AND ERECTING STRUCTURAL ELEMENTS. SIZES AND LOCATIONS THAT DIFFER FROM THOSE SHOWN ON THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT.
- 7. THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST TO THE ARCHITECT FOR ARCHITECT AND/OR ENGINEER APPROVAL BEFORE PROCEEDING WITH ANY CHANGES, MODIFICATIONS, OR SUBSTITUTIONS
- $_{
 m SC}$ OBSERVATION VISITS TO THE SITE BY ARW ENGINEERS FIELD REPRESENTATIVES SHALL NEITHER BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION. 9. DURING AND AFTER CONSTRUCTION, BUILDER AND/OR OWNER SHALL KEEP LOADS ON STRUCTURE
- WITHIN THE LIMITS OF DESIGN LOADS AS NOTED IN THESE DOCUMENTS. 10. TYPICAL OR SIMILAR DETAILS AND SECTIONS SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN. TYPICAL OR SIMILAR DETAILS REFER TO THE CONDITION ADDRESSED AND ARE NOT
- NECESSARILY DETAILS LABELED "TYPICAL" OR "SIMILAR" IN THE PLANS AND DOCUMENTS. 11. DRAWINGS AND DETAILS HAVE BEEN PREPARED WITH THE INTENT TO VISUALLY REPRESENT INFORMATION PROVIDED IN SCALED FORM: HOWEVER CONTRACTOR/SUPPLIERS SHOULD NOT SCALE PLANS OR DETAILS FOR DIMENSIONAL INFORMATION.
- 12. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SHORING AND BRACING FOR ALL STRUCTURAL ELEMENTS UNTIL THE ENTIRE STRUCTURAL SYSTEM IS COMPLETED. DESIGN OF ALL SHORING AND BRACING IS BY OTHERS AT NO ADDITIONAL COST TO THE OWNER.

13. ENGINEER SHALL NOT BE RESPONSIBLE FOR ACTIVITIES UNDER CONTROL OF THE CONTRACTOR SUCH

AS CONSTRUCTION SITE SAFETY, MEANS, METHODS AND SEQUENCING OF CONSTRUCTION. ENGINEER

- SHALL NOT BE RESPONSIBLE FOR FABRICATION, ERECTION AND CONSTRUCTION REQUIREMENTS AS PRESCRIBED BY OSHA OR OTHER REGULATORY AGENCIES REGARDLESS OF INDICATIONS IN THESE 14. NOTICE OF COPYRIGHT: THESE STRUCTURAL DRAWINGS ARE HEREBY COPYRIGHTED BY ARW $^\circ$ ENGINEERS. ALL RIGHTS RESERVED. THESE DOCUMENTS DEFINE A STRUCTURE AND ARE $^\circ$
- INSTRUMENTS OF SERVICE, FOR ONE USE ONLY. REPRODUCTION AND DISTRIBUTION OF THESE DRAWINGS IS ONLY ALLOWED AS REQUIRED FOR REGULATORY AGENCIES AND FOR CONVEYANCE OF INFORMATION TO PARTIES INVOLVED IN THE CONSTRUCTION OF THIS PROJECT. THESE DOCUMENTS SHALL NOT BE REPRODUCED OR COPIED, IN PART OR WHOLE BY ANY PARTY FOR USE IN PREPARATION OF SHOP DRAWINGS OR OTHER SUBMITTALS.
- 15. WHERE THE WORD "SHALL" OCCURS IN THESE DRAWINGS AND ANY ACCOMPANYING SPECIFICATIONS, IT IS CONSIDERED A MANDATORY OBLIGATION AND SYNONYMOUS WITH THE PHRASE "HAS DUTY TO".

B. STATEMENT OF SPECIAL INSPECTIONS AND SPECIAL INSPECTIONS

- 1. THE DESIGNATED SEISMIC/WIND SYSTEMS AND SEISMIC/WIND-FORCE-RESISTING SYSTEMS THAT ARE SUBJECT TO SPECIAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.11 AND 1705.12 ARE IDENTIFIED ON THESE DOCUMENTS WITH A CIRCLE "L". ALL OTHER ITEMS REQUIRING SPECIAL INSPECTION ARE IDENTIFIED IN THE SPECIAL INSPECTION SCHEDULE ON SHEET X.XX.
- SPECIAL INSPECTIONS AND TESTING ARE TO BE PROVIDED AS REQUIRED BY IBC SECTIONS 1704 THROUGH 1705 AND OTHER APPLICABLE SECTIONS OF THE IBC. THE TYPE AND FREQUENCY OF TESTING AND SPECIAL INSPECTIONS SHALL BE AS NOTED IN THE SPECIAL INSPECTION SCHEDULE, JOB . SPECIFICATIONS, AND ACCORDANCE WITH IBC SECTION 110 AND CHAPTER 17. CONTRACTOR SHALL COORDINATE AND COOPERATE WITH REQUIRED INSPECTIONS
- $3.\,^{\circ}$ ALL TESTING AND SPECIAL INSPECTION SHALL BE PROVIDED BY A QUALIFIED INDEPENDENT SPECIAL INSPECTION AGENCY IN ACCORDANCE WITH IBC 1704 AND AS OUTLINED IN THE JOB SPECIFICATIONS REPORTS OF FINDINGS OR DISCREPANCIES SHALL BE NOTED AND FORWARDED TO THE CONTRACTOR ARCHITECT, ENGINEERS, AND BUILDING OFFICIAL IN A TIMELY MANNER.
- 4. STRUCTURAL OBSERVATION VISITS SHALL BE PERFORMED BY A REPRESENTATIVE FROM ARW ENGINEERS IN ACCORDANCE WITH THE CONTRACT AS NEEDED TO OBSERVE THE CONSTRUCTION OF CRITICAL BUILDING ELEMENTS (I.E. FOOTINGS, BRACED FRAMES, MOMENT FRAMES, DRAG STRUTS AND THEIR CONNECTIONS, COLLECTORS, AND ROOF AND FLOOR DIAPHRAGMS). STRUCTURAL OBSERVATION REPORTS FOR EACH VISIT SHALL BE SENT DIRECTLY TO THE ARCHITECT FOR DISTRIBUTION TO THE CONTRACTOR AND BUILDING OFFICIAL. STRUCTURAL OBSERVATION VISITS SHALL NEITHER BE CONSTRUED AS SPECIAL INSPECTION NOR APPROVAL OF COMPLETED
- 5. IN ACCORDANCE WITH IBC 1704.4, THE CONTRACTOR SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER. THE STATEMENT SHALL BE SUBMITTED PRIOR TO THE CONSTRUCTION OF ANY SEISMIC/WIND-FORCE-RESISTING SYSTEM. DESIGNATED SEISMIC/WIND SYSTEM, OR COMPONENT IDENTIFIED IN THESE DOCUMENTS WITH A

C. BASIS OF DESIGN

2. ROOF LOADS

CONSTRUCTION.

1. GOVERNING BUILDING CODE: INTERNATIONAL BUILDING CODE (IBC) 2015 RISK CATEGORY: II

- a. FLAT-ROOF SNOW LOAD, Pf: 27 PSF GROUND SNOW LOAD, Pa: 39 PSF
- SNOW EXPOSURE FACTOR, Ce: 1.0 SNOW LOAD IMPORTANCE FACTOR, Is: 1.0 THERMAL FACTOR, Ct: 1.0
- SLOPE FACTOR, Cs: 1.0 SNOW DRIFT: SHOWN ON PLANS WHERE APPLICABLE.
- b. LIVE LOAD = 20 PSF c. DEAD LOAD = 20 PSF d. RAIN INTENSITY, i = 1.5 IN/HR
- 3. WIND DESIGN a. BASIC WIND SPEED (3 SECOND GUST): 102 MPH
- b. ALLOWABLE STRESS DESIGN WIND SPEED, V_{ASD}: 80 MPH . WIND EXPOSURE: (
- d. INTERNAL PRESSURE COEFFICIENT, GCPI: 0.18 e. COMPONENT AND CLADDING DESIGN WIND PRESSURE SHALL BE AS REQUIRED PER ASCE 7-10.
- 4. SEISMIC DESIGN: a. SEISMIC IMPORTANCE FACTOR, I_E: 1.0 b. SITE CLASS: D
- MAPPED SPECTRAL RESPONSE ACCELERATIONS : $S_8 = 1.717$, $S_1 = 0.637$ d. SPECTRAL RESPONSE COEFFICIENTS: S_{DS} = 1.374, S_{D1} = 0.722
- . SEISMIC DESIGN CATEGORY : D-DEFAULT BASIC SEISMIC-FORCE-RESISTING SYSTEM: OCBF
- g. DESIGN BASE SHEAR: $V_{N-S} = 0.184 \text{ WT}$, $V_{E-W} = 0.184 \text{ WT}$ SEISMIC RESPONSE COEFFICIENT, Cs: 0.154
- RESPONSE MODIFICATION FACTOR, R: 6 1/2 ANALYSIS PROCEDURE: ELF

D. FOUNDATION

- GENERAL a. DESIGN SOIL PRESSURE: 1500 PSF
- b. ALL FOOTINGS SHALL BE PLACED ON MECHANICALLY COMPACTED FILL COMPACTED TO NOT LESS THAN 95% OF MODIFIED PROCTOR DENSITY (ASTM D-1557)
- c. UNLESS NOTED OTHERWISE, ALL CONCRETE SLABS ON EARTH SHALL BEAR ON STRUCTURAL FILL COMPACTED TO 90% OF MODIFIED PROCTOR DENSITY (ASTM D-1557). TOP OF FOOTING ELEVATIONS SHOWN ON THE FOOTING AND FOUNDATION PLAN ARE BASED ON PRELIMINARY GRADING INFORMATION AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION. STEPS WHERE SHOWN ARE AT APPROXIMATE LOCATIONS. ACTUAL STEP LOCATIONS SHALL BE AT THE CONTRACTOR'S DISCRETION BASED UPON FIELD CONDITIONS. ALL EXTERIOR FOUNDATIONS SHALL BEAR A MINIMUM OF 32" BELOW LOWEST ADJACENT FINAL GRADE.
- e. ALL WALLS (EXCEPT CANTILEVERED RETAINING WALLS) SHALL BE ADEQUATELY BRACED AGAINST LATERAL MOVEMENT PRIOR TO BACKFILLING. DESIGN AND ERECTION OF BRACING/SHORING SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. BRACING SHALL REMAIN IN PLACE UNTIL SUPPORTING STRUCTURAL ELEMENTS ARE IN PLACE AND HAVE ATTAINED FULL STRENGTH. of. UNLESS NOTED OTHERWISE, ALL FOOTINGS AT COLUMNS SHALL BE CENTERED BELOW COLUMNS. . UNLESS NOTED OTHERWISE, ALL FOOTINGS SHALL HAVE VERTICAL FACES FORMED WITH STANDARD FORMING MATERIALS (WOOD, METAL, ETC.), WITH PRIOR APPROVAL OF ARCHITECT AND ENGINEER, CONCRETE FOR FOOTINGS CAN BE PLACED IN EXCAVATED SOIL "FORMS" PROVIDED

E. CONCRETE

1. ALL CONCRETE MIX DESIGNS SHALL COMPLY WITH THE PROJECT SPECIFICATIONS AND THE

REQUIREMENTS LISTED BELOW: a. FOOTINGS, GRADE BEAMS, FOUNDATION WALLS

0.45

1. WHERE THE TOP OF THE ELEMENT IS EXPOSED AND IS LOCATED WITHIN 32" OF THE LOWEST ADJACENT GRADE (EXPOSURE CATEGORY F2): a. 28 DAY COMPRESSIVE STRENGTH: 4500 PSI

THAT THE DIMENSIONS ARE INCREASED 3" ON ALL SIDE.

- b. MAXIMUM W/C RATIO c. MAXIMUM AGGREGATE SIZE :
- d. DESIGN AIR CONTENT: FIELD TOLLERANCE AIR CONTENT OF +/- 1.5% WHERE THE TOP OF THE ELEMENT IS NOT EXPOSED (EXPOSURE CATEGORY F0)
- a. 28 DAY COMPRESSIVE STRENGTH: 3000 PSI . INTERIOR SLABS ON GRADE (EXPOSURE CATEGORY F0) 1. 28 DAY COMPRESSIVE STRENGTH: 3000 PSI
- c. INTERIOR SUSPENDED SLABS (EXPOSURE CATEGORY F0) 1. 28 DAY COMPRESSIVE STRENGTH: 3000 PSI
- . WATER USED IN MIXING CONCRETE SHALL CONFORM TO ASTM C1602. . NO PIPES. DUCTS. SLEEVES. ETC. SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER. NO ALUMINUM PRODUCTS SHALL BE EMBEDDED IN CONCRETE. PENETRATIONS THRU STRUCTURAL CONCRETE ELEMENTS MUST
- BE APPROVED BY THE ENGINEER AND SHALL BE BUILT INTO THE ELEMENT PRIOR TO CONCRETE 4. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, ETC. TO BE CAST IN TO
- CONCRETE, AND FOR EXTENT AND LOCATION OF DEPRESSIONS, CURBS, RAMPS, ETC. 5. WHERE NEW CONCRETE IS PLACED AGAINST PREVIOUSLY HARDENED CONCRETE, THE JOINT SHALL
- BE CLEAN AND FREE OF LAITANCE. IMMEDIATELY BEFORE NEW CONCRETE IS PLACED, CONSTRUCTION JOINTS SHALL BE PREWETTED AND STANDING WATER REMOVED.

F. ANCHOR BOLTS/EMBEDDED BOLTS

- 1. ALL ANCHOR BOLTS SHALL HAVE ASTM A-563 HEAVY HEX NUT AND ASTM F-436 WASHERS AT STANDARD OR OVERSIZED HOLES PER AISC SPECIFICATION TABLE J3.3. WHERE HOLE SIZES DO NOT COMPLY WITH THE LIMITATIONS FOR OVERSIZED HOLES THE STRUCTURAL ENGINEER SHALL BE NOTIFIED TO DETERMINE STEEL PLATE WASHER REQUIREMENTS. ANCHOR BOLTS SHALL COMPLY WITH THE FOLLOWING: a. AT BRACED FRAMES & MOMENT RESISTING FRAMES - ASTM F1554 GRADE 105 HEADED
- BOLTS.(ASTM A449 THREADED ROD MAY BE USED WITH DOUBLE NUT AND WASHER.) b. AT WOOD STUD WALLS - ASTM A-307 GRADE HEADED BOLTS. ANCHOR BOLTS IN TREATED LUMBER SHALL BE GALVANIZED OR STAINLESS STEEL. SEE TIMBER NOTES FOR MORE INFORMATION.
- c. AT ALL OTHER ANCHOR BOLTS (UNLESS NOTED OTHERWISE) ASTM F1554 GRADE 36 HEADED BOLTS. (ASTM A36 THREADED ROD MAY BE USED WITH DOUBLE NUT AND WASHER.)
- 2. EMBEDDED BOLTS IN MASONRY SHALL BE (UNLESS NOTED OTHERWISE) ASTM A-307 GRADE HEADED 3. SEE TYPICAL ANCHOR BOLT DETAIL FOR DEFINITIONS OF EMBEDMENT LENGTH, ETC.
- PLACING CONCRETE AND/OR GROUT. IF THREADED RODS ARE USED AS PERMITTED ABOVE, THEY SHALL BE CLEAR OF SOIL AND DIRT. 6. WHERE REQUIRED FOR ERECTION, HOLES LARGER THAN OVERSIZED MAY BE PERMITTED WITH THE USE OF STEEL PLATE WASHERS AT THE DISCRETION OF THE STRUCTURAL ENGINEER...

4. FURNISH TEMPLATES AND OTHER DEVICES AS NECESSARY FOR PRESETTING ALL BOLTS PRIOR TO

G. ADHESIVE/MECHANICAL ANCHORS

- 1. WITHOUT WRITTEN APPROVAL OF THE ENGINEER, CONTRACTOR SHALL NOT SUBSTITUTE POST INSTALLED ANCHORS WHERE CAST-IN-PLACE ANCHORS ARE SPECIFIED IN THE DRAWINGS. 2. WHERE STRUCTURAL DETAILS SPECIFY SPECIFIC BRANDS AND/OR TYPES OF ADHESIVES OR ANCHORS, SUBSTITUTIONS OF OTHER BRANDS AND/OR TYPES IS NOT ALLOWED, WITHOUT WRITTEN
- APPROVAL OF THE ENGINEER. 3. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS SHALL BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. SUBSTITUTION REQUESTS SHALL INCLUDE AN ICC ESR OR IAPMO REPORT AND SUPPORTING CALCULATIONS INDICATING COMPLIANCE WITH DESIGN
- 4. ALL ADHESIVE/MECHANICAL ANCHORS SHALL BE INSTALLED, INCLUDING HOLE DRILLING AND PREPARATION, IN ACCORDANCE WITH AN APPROVED INDEPENDENT EVALUATION REPORT (ICC-ES, IAPMO, OR APPROVED EQUAL), AS INDICATED BELOW, AND IN ACCORDANCE WITH ALL MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII)
- 5. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT TIME OF ANCHOR INSTALLATION. ADHESIVE ANCHORS SHALL NOT BE FULLY LOADED UNTIL CONCRETE HAS REACHED DESIGN STRENGTH 6. UNLESS APPROVED BY THE ENGINEER OF RECORD, CONCRETE AND DRILLED ANCHOR HOLES SHALL BE DRY AND FREE OF WATER FOR 24 HOURS PRIOR TO ADHESIVE INSTALLATION. CONTACT THE ENGINEER OF RECORD FOR GUIDANCE IF THE CONTRACTOR CHOOSES TO INSTALL IN WET OR DAMP
- CONTRACTOR. CONTRACTOR SHALL COMPLY WITH ALL MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) RELATIVE TO SUBSTRATE TEMPERATURE. 8. INSTALLATION OF ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS SHALL BE PERFORMED BY PERSONNEL CERTIFIED BY AN APPLICABLE CERTIFICATION PROGRAM. CERTIFICATION SHALL INCLUDE WRITTEN AND PERFORMANCE TESTS IN ACCORDANCE WITH THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT IN ACCORDANCE WITH ACI 318-11 D.9.2.2. PROOF OF CURRENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. CONTINUOUS SPECIAL

7. CONCRETE TEMPERATURE AT THE TIME OF INSTALLATION SHALL BE MONITORED BY THE

- INSPECTION SHALL BE PROVIDED FOR THESE ANCHORS. 9. UNLESS NOTED OTHERWISE, ALL ADHESIVE ANCHORS INTO CONCRETE SHALL BE: a. HILTI HIT-RE 500V3 (ESR-3814), OR HILTI HIT-HY 200-A (ESR-3187).
- b. SIMPSON SET-3G (ESR-4057), OR AT-XP (ER-0263). c. DEWALT PURE 110+ (ESR-3298), OR AC200+ GOLD (ESR-4027-COLD WEATHER) 10. UNLESS NOTED OTHER WISE, ALL MECHANICAL ANCHORS INTO CONCRETE SHALL BE:
- a. HILTI KWIK BOLT TZ (ESR-1917). b. SIMPSON STRONG-BOLT 2 (ESR-3037). 11. UNLESS NOTED OTHERWISE, ALL SCREW ANCHORS INTO CONCRETE SHALL BE:
- a. SIMPSON TITEN HD (ESR-2713)... b. DEWALT SCREWBOLT+ (ESR-2526) c. HILTI KWIK HUS-EZ (ESR-3027).
- 12. THE TESTING LABORATORY WILL PERFORM VISUAL INSPECTION OF ANCHORS AND DOWELS AS SPECIFIED IN THE SPECIAL INSPECTION SCHEDULE AND THE APPROVED INDEPENDENT EVALUATION REPORT. TENSION TESTING CAN BE REQUIRED AT THE DIRECTION OF THE STRUCTURAL ENGINEER OF RECORD OR THE SPECIAL INSPECTOR.
- 13. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON THAT HOLE AND SHIFT THE ANCHOR LOCATION TO AVOID THE REINFORCEMENT, PROVIDE A MINIMUM SPACE OF (2) ANCHOR HOLE DIAMETERS OR 1 INCH, WHICH EVER IS LARGER, OF SOUND CONCRETE/MASONRY BETWEEN THE ANCHOR AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. AT CONTRACTORS OPTION, LOCATE EXISTING REINFORCEMENT PRIOR TO DRILLING/CORING. IF THE ANCHOR OR DOWEL CANNOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER WILL DETERMINE A NEW
- 14. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, OR OTHER STEEL ASSEMBLIES ATTACHED WITH MECHANICAL ANCHORS.

H. REINFORCING STEEL

1. REINFORCING BAR STRENGTH REQUIREMENTS:

- a. ALL REINFORCING BARS SHALL CONFORM TO ASTM STANDARD A-615 GRADE 60 AND ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM STANDARD A-1064 AND SHALL BE SUPPLIED IN FLAT SHEETS. ADEQUATELY TIE AND SUPPORT ALL REINFORCING STEEL AS SPECIFIED BY ACI 117, TO MAINTAIN EXACT REQUIRED POSITION.
- HEADED SHEAR STUD ASSEMBLIES SHALL CONFORM TO ASTM A1044. B. STEEL DISCONTINUOUS FIBER REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO ASTM A820 AND SHALL HAVE A LENGTH TO DIAMETER RATIO NOT SMALLER THAN 50 AND NOT GREATER THAN 100. 4. HEADED DEFORMED BARS SHALL CONFORM TO ASTM A970. OBSTRUCTIONS OR INTERRUPTIONS OF THE BAR DEFORMATIONS, IF ANY, SHALL NOT EXTEND MORE THAN 2 BAR DIAMETERS FROM THE BEARING FACE OF THE HEAD. 5. ALL REINFORCING STEEL SHALL BE TIED IN PLACE AND ADEQUATELY SUPPORTED PRIOR TO PLACING
- CONCRETE. WET STABBING OF ANY REINFORCING STEEL IS NOT PERMITTED, UNLESS SPECIFICALLY DETAILED OTHERWISE OR APPROVED BY THE ENGINEER. ALL FIELD BENT DOWELS SHALL BE GRADE 40 WITH SPACING INDICATED REDUCED BY 1/3. 7. UNLESS NOTED OTHERWISE, REINFORCEMENT SHALL HAVE THE FOLLOWING CONCRETE COVERAGE: a. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
- . #6 & LARGER 2" 2. #5 & SMALLER1-1/2"

b. EXPOSED TO EARTH OR WEATHER:

BE IN CONTACT WITH REINFORCING STEEL.

- c. NOT EXPOSED TO WEATHER OR EARTH: SLABS, WALLS, JOISTS, #11 & SMALLER 3/4" BEAMS, COLUMNS: MAIN REINFORCING OR TIES 1-1/2"
- d. SLAB ON GRADE 1. PLACE REINFORCING AT CENTER OF SLAB UNLESS INDICATED OTHERWISE. 8. EXCEPT WHERE NOTED ON PLANS OR DETAILS CONTINUOUS REINFORCEMENT SHALL BE SPLICED AT POINTS OF MINIMUM STRESS BY LAPPING PER THE REBAR LAP SCHEDULE. 9. REINFORCING STEEL MAY BE SPLICED WITH MECHANICAL COUPLERS THAT HAVE A TENSION CAPACITY OF AT LEAST 125% OF THE STRENGTH OF THE BAR. MECHANICAL COUPLERS SHALL BE A POSITIVE
- CONNECTING TYPE COUPLER, AND SHALL BE INSTALLED IN ACCORDANCE WITH AN APPROVED ICC RESEARCH REPORT. WHERE THESE ARE USED, SPLICES ON ADJACENT BARS SHALL BE STAGGERED AT LEAST 24 INCHES ALONG THE LENGTH OF THE BARS. 10. ALL VERTICAL REINFORCING IN STRUCTURAL ELEMENTS ABOVE SHALL BE SPLICED WITH MATCHING DOWELS EMBEDDED WITHIN THE FOOTINGS OR STRUCTURE BELOW. SPLICE LENGTHS SHALL COMPLY
- WITH REBAR LAP SCHEDULE, DOWELS INTO FOOTINGS SHALL TERMINATE WITH A STANDARD HOOK. AND SHALL EXTEND TO WITHIN 4" OF THE BOTTOM OF THE FOOTING, BUT NEED NOT EXTEND MORE THAN 20" INTO FOOTING. 11. DO NOT WELD REINFORCING EXCEPT AS NOTED ON PLANS, WHERE REINFORCING IS WELDED, USE
- ASTM A-706 REINFORCING 12. REINFORCING BARS, TIES, AND TENDONS SHALL BE SUPPORTED BY NYLON CONES, PLASTIC-COATED TIE-WIRES, OR PLASTIC-COATED CHAIRS. REINFORCING IN FOOTINGS IS PERMITTED TO BE SUPPORTED ON CONCRETE DOBIES. 13. UNLESS NOTED OTHERWISE, HOOKS, STIRRUPS, TIES, AND OTHER BENDS IN REINFORCING STEEL
- SHALL MEET THE STANDARDS SET FORTH IN ACI 318/318R-14. UNLESS OTHERWISE PERMITTED BY THE ENGINEER, ALL REINFORCEMENT SHALL BE BENT COLD. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT, EXCEPT AS SHOWN ON THESE DRAWINGS OR OTHERWISE PERMITTED BY THE ENGINEER

14. UNLESS SPECIFICALLY NOTED AND/OR DETAILED IN THE STRUCTURAL DRAWINGS CONDUIT SHALL NOT

I. STRUCTURAL STEEL

- 1. STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING: a. ...ANSI/AISC 360-16 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", WITH "COMMENTARY" AND
- b. ··AISC 303-16 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" EXCLUDING THE FOLLOWING SECTIONS: 4.4, 4.4.1, AND 4.4.2. c. AISI "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS"
- \cdots d. \cdots AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". e. AWS D1.1 AND 1.3, "STRUCTURAL WELDING CODE" (EXCEPT SPECIFIC ITEMS DO NOT APPLY IF THEY CONFLICT WITH AISC).
- ANSI/AISC 341-16 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS". AWS D1.8, "STRUCTURAL WELDING CODE - SEISMIC"
- STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING a. WIDE FLANGE SHAPES AND WT SHAPES - ASTM A992 b. OTHER SHAPES AND PLATES - ASTM A-36 (UNO)

"SUPPLEMENTS" AS REQUIRED BY BUILDING CODE.

- c. HOLLOW STRUCTURAL SECTIONS (HSS) ASTM A-500, GRADE C FOR SQUARE, RECTANGULAR AND ROUND SHAPES (FY = 50 KSI FOR SQUARE AND RECTANGULAR SHAPES AND 46 KSI FOR ROUND
- d. STAINLESS STEEL SHAPES, PLATES, AND FASTENERS ASTM 304 e. DEFORMED BAR ANCHORS (DBA) - ASTM A-496, WELDED IN ACCORDANCE WITH AWS D1.1 HEADED STUD ANCHORS (HSA) - ASTM A-108, GRADE 1015 STEEL AND WELDED IN ACCORDANCE WITH AWS D1.1 FOR TYPE "B". USE 3/4" DIAMETER STUDS, UNLESS NOTED OTHERWISE THREADED ROD - ASTM A-449.
- NON-SHRINK GROUT ASTM C110. NON-SHRINK GROUT SHALL BE PRE-PACKAGED, NON-METALLIC, WITH A 28-DAY COMPRESSIVE STRENGTH OF 6,000 PSI. 3. CONNECTIONS SHALL COMPLY WITH THE STRUCTURAL DRAWINGS UNLESS WRITTEN APPROVAL TO CHANGE IS GIVEN BY THE STRUCTURAL ENGINEER. 4. ALL SHOP FABRICATIONS SHALL BE PERFORMED BY AN APPROVED FABRICATOR IN ACCORDANCE WITH SECTIONS 1702 AND 1704 OF THE IBC OR WITH SHOP INSPECTION BY AN INDEPENDENT AGENCY IN ACCORDANCE WITH SECTION 1704.2.5 OF THE IBC. WELDING
- a. ALL WELDING AND CUTTING SHALL BE PERFORMED BY AWS QUALIFIED WELDERS IN ACCORDANCE WITH ANSI/AWS D1.1 (LATEST EDITION) b. USE E-70XX ELECTRODES UNLESS NOTED OTHERWISE. E-60XX MAY BE USED FOR WELDING STEEL
- c. ALL INTERSECTING STEEL SHAPES WHICH ARE NOT CONNECTED WITH BOLTS SHALL BE WELDED TOGETHER WITH A FILLET WELD ALL AROUND UNLESS NOTED OTHERWISE. WHERE WELD SIZES ARE NOT SHOWN, USE THE FOLLOWING: 1. WHERE THE THICKNESS OF THE CONNECTED PARTS IS EQUAL TO OR THICKER THAN 1/4", WELD SIZE SHALL BE 1/16" LESS THAN THE THICKNESS OF THE THINNEST PART. 2. WHERE ANY OF THE CONNECTED PARTS IS LESS THAN 1/4" THICK, WELD SIZE SHALL BE THE SAME AS THE THICKNESS OF THE THINNEST PART
- d. WELDING OF HSA'S (HEADED STUD ANCHORS) AND DBA'S (DEFORMED BAR ANCHORS) SHALL CONFORM TO THE MANUFACTURER'S SPECIFICATIONS AND AWS D1.1 REINFORCING BARS SHALL NOT BE SUBSTITUTED FOR HSA'S OR DBA'S. e. WHEREVER POSSIBLE, WELDS SHALL BE SHOP WELDS. SPECIAL CONSIDERATIONS, SUCH AS ITEMS WHICH MAY NEED ADJUSTMENT AT THE SITE, REQUIRE THAT SOME WELDS BE FIELD WELDS. WHERE QUESTIONS OR DISCREPANCIES OCCUR THE CONTRACTOR SHALL COORDINATE THE WORK BETWEEN THE SHOP FABRICATOR AND THE STEEL ERECTOR.
- f. SPECIAL PROVISIONS FOR SFRS (SEISMIC FORCE RESISTING SYSTEM): 1. ALL WELDS DESIGNATED AS DEMAND CRITICAL WELDS SHALL BE MADE WITH FILLER METALS MEETING THE REQUIREMENTS SPECIFIED IN CLAUSES 6.1, 6.2, AND 6.3 OF AWS D1.8. 2. ALL OTHER WELDS THAT ARE PART OF THE SFRS SHALL BE MADE WITH FILLER METALS MEETING THE REQUIREMENTS SPECIFIED IN CLAUSE 6.1 OF AWS D1.8. BUTT WELDS IN MEMBERS WITH DIFFERENT THICKNESSES, SUCH AS COLUMN SPLICES, SHALL
- BE TAPERED AND MADE IN SUCH A MANNER THAT THE TRANSITION DOES NOT EXCEED 1 IN 2-1/2 INCHES. THE TRANSITION SHALL BE ACCOMPLISHED BY CHAMFERING THE THICKER PART. TAPERING THE WIDER PART, SLOPING THE WELD METAL OR BY A COMBINATION OF THESE 6. BOLTING a. UNLESS NOTED OTHERWISE, ALL STRUCTURAL STEEL TO STEEL CONNECTIONS SHALL USE HIGH
- STRENGTH BOLTS CONFORMING TO ASTM F3125 GR. A325 b. UNLESS NOTED OTHERWISE, ALL BOLTING IS CLASSIFIED AS NON-SLIP CRITICAL BEARING TYPE CONNECTIONS WITH THREADS INCLUDED IN SHEAR PLANE. TIGHTEN BOLTS TO A SNUG TIGHT CONDITION, WITH ALL PLIES OF THE JOINT IN FIRM CONTACT. c. WHERE OVERSIZED OR SLOTTED HOLES OCCUR IN THE OUTER PLY, AN ASTM F436 WASHER OR
- -- 5/16" THICK COMMON PLATE WASHER SHALL BE USED AS REQUIRED TO COMPLETELY COVER THE d. BOLTS SHALL BE CENTERED IN SLOTTED HOLES. UNLESS NOTED OTHERWISE e. WHERE A STEEL BEAM TO BEAM CONNECTION IS NOT SHOWN, PROVIDE AN AISC STANDARD FRAMED CONNECTION SIZED FOR 1/2 OF THE TOTAL LOAD CAPACITY OF THE BEAM FOR THE SPAN
- 7. METAL DECKING a. UNLESS NOTED OTHERWISE, METAL FLOOR DECK SHALL BE 20 GAUGE TYPE B COMPOSITE, GALVANIZED, UNVENTED STEEL DECK. UNLESS NOTED OTHERWISE, ATTACH TO SUPPORTING STRUCTURE WITH 3/4" DIAMETER WELDS AT 12" MAXIMUM SPACING, ATTACH SIDE SEAMS WITH BUTTON PUNCH OR SIDE SEAM SCREWS AT 12" MAXIMUM SPACING. AN HSA FIELD-WELDED
- THROUGH THE DECK MAY SUBSTITUTE FOR A PUDDLE WELD. b. ALL DECK SHALL BE CONTINUOUS OVER 3-SPANS. WHERE NOT POSSIBLE, THE DECK SUPPLIER/CONTRACTOR SHALL PROVIDE HEAVIER GAUGE DECK AS NEEDED TO PROVIDE THE EQUIVALENT PERFORMANCE OF THE SPECIFIED DECK WITH 3-SPAN CONTINUITY.
- c. SEE TYPICAL DETAILS FOR SUPPORT OF DECK AT OPENINGS d. PROVIDE L2"x2"x3/16" FOR DECK SUPPORT AT LOCATIONS WHERE COLUMNS EXTEND THROUGH
- e. PAINTED STEEL DECK SHALL CONFORM TO ASTM A1008 AND GALVANIZED STEEL DECK SHALL CONFORM TO A653 GRADE G60. f. BUILDING ELEMENTS MAY BE SUPPORTED BY HANGING DIRECTLY FROM METAL DECKING.
- PROVIDED THAT THE TOTAL WEIGHT PER CONNECTION IS LESS THAN 50 LBS AND THAT THE ATTACHMENT TO THE DECKING IS DISTRIBUTED ACROSS AT LEAST TWO RIBS AND SPACED AT LEAST 6 FEET APART IN ANY DIRECTION. 8. PROVIDE FULL DEPTH WEB STIFFENER PLATES AT EACH SIDE OF STEEL BEAMS AT ALL BEARING (EXCEPT SECONDARY FRAMING) POINTS. STIFFENER PLATES SHALL BE THICKNESS SHOWN UNLESS

NOTED OTHERWISE AND SHALL BE WELDED BOTH SIDES WITH FILLET WELDS ALL AROUND.

- FLANGE WIDTH STIFFENER THICKNESS WELD THICKNESS 8 1/4" < BF < 12 1/2" 3/8" ..12 1/2" < BF < 18".... 1/2" ...5/16". 9. FABRICATORS AND SUPPLIERS SHALL COORDINATE PAINT/FINISHES WITH REQUIREMENTS FOR DIRECT APPLIED INSULATION, FIREPROOFING, ETC. AS NOTED IN THE PROJECT SPECIFICATIONS.
- 10. WHEN DETERMINING THE FIRE RESISTANCE OF ASSEMBLIES, USE THE FOLLOWING: STEEL ROOF MEMBERS ARE CONSIDERED UN-RESTRAINED AND STEEL FLOOR FRAMING MEMBERS ARE CONSIDERED RESTRAINED. 11. UNLESS NOTED OTHERWISE, ALL HORIZONTAL FRAMING MEMBERS SHALL BE ERECTED WITH THE NATURAL CROWN UP.

12. UNLESS OTHERWISE SHOWN OR DETAILED IN THE PLANS, ALL STEEL COLUMNS, BEAMS, BRACES,

STRUTS, ETC. SHALL BE CONTINUOUS BETWEEN CONNECTIONS OR SUPPORTS. SPLICES IN MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL BY THE ENGINEER OF RECORD.

J. STRUCTURAL DELEGATED DESIGNS AND DEFERRED SUBMITTALS

AND STEEL SPECIFIED.

- -1. STRUCTURAL DELEGATED DESIGNS AND SUBSEQUENT DEFERRED SUBMITTALS ARE FOR ELEMENTS. PARTS, OR PORTIONS OF THE OVERALL STRUCTURAL SYSTEM THAT ARE INDICATED OR REFERRED TO ON THESE DRAWINGS AND THAT ARE CRITICAL TO THE PERFORMANCE OF THE OVERALL STRUCTURAL SYSTEM. DESIGN CRITERIA HAS BEEN PROVIDED FOR THESE ITEMS IN THE STRUCTURAL NOTES. PLANS, AND DETAILS. ...2. ... STRUCTURAL DEFERRED SUBMITTALS ARE COMPLETE PACKAGES TO BE SUBMITTED FOR REVIEW THAT INCLUDE DRAWINGS AND CALCULATIONS FOR ALL DELEGATED DESIGN ITEMS AND THEIR CONNECTIONS. DEFERRED SUBMITTALS SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THEIR DESIGN. 3. ARW ENGINEERS WILL REVIEW STRUCTURAL DEFERRED SUBMITTALS TO VERIFY DESIGN CRITERIA IS COMPLIANT WITH THE APPROVED CONSTRUCTION DOCUMENTS. 4. STRUCTURAL DELEGATED DESIGN COMPONENTS SHALL NOT BE INSTALLED UNTIL APPROVED BY THE
- BUILDING OFFICIAL 5. STRUCTURAL DELEGATED DESIGN ITEMS REQUIRING DEFERRED SUBMITTALS INCLUDE, BUT ARE NOT a. PRE-MANUFACTURED WOOD TRUSSES, BLOCKING, BRIDGING, BRIDGING CONNECTIONS, TRUSS

1. NON-STRUCTURAL DELEGATED DESIGNS AND SUBSEQUENT DEFERRED SUBMITTALS ARE FOR ITEMS

NOT INCLUDED IN THE STRUCTURAL DELEGATED DESIGN SECTION. THESE ARE ITEMS THAT ARE NOT

HANGERS, AND RELATED COMPONENTS. K. NON-STRUCTURAL DELEGATED DESIGNS AND DEFERRED SUBMITTALS

DOCUMENTS.

- CRITICAL TO THE OVERALL PERFORMANCE OF THE STRUCTURAL SYSTEM BUT THAT IMPART LOADS AND FORCES TO THE STRUCTURAL SYSTEM. 2. NON-STRUCTURAL DEFERRED SUBMITTALS SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN. 3. "ARW ENGINEERS WILL REVIEW NON-STRUCTURAL DEFERRED SUBMITTALS TO VERIFY DESIGN . CRITERIA IS COMPLIANT WITH THE APPROVED CONSTRUCTION DOCUMENTS. 4. IF THE STRUCTURAL DRAWINGS INCLUDE LOADS TO ACCOMMODATE NON-STRUCTURAL ELEMENTS THE CONTRACTOR SHALL SUBMIT DOCUMENTATION INDICATING THAT THE NON-STRUCTURAL ELEMENTS COMPLY WITH THE LOADING CRITERIA PROVIDED HEREIN. SUCH DOCUMENTATION SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN. 5. IF THE NON-STRUCTURAL DEFERRED SUBMITTAL INDICATES THAT THE ELEMENT WILL IMPART FORCES IN EXCESS OF THOSE INDICATED ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL SUBMIT A DETAILED GRAPHICAL REPRESENTATION OF THOSE DESIGN LOADS, INCLUDING MAGNITUDE, AND LOCATION. THE GRAPHIC SHALL BE ACCOMPANIED BY DOCUMENTATION INDICATING THAT THE NON-
- STRUCTURAL ELEMENT DESIGN COMPLIES WITH THE LOADING CRITERIA PROVIDED HEREIN. THE LETTER SHALL BEAR THE STAMP AND SIGNATURE OF THE DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN. 6. NON-STRUCTURAL DELEGATED DESIGN ITEMS REQUIRING DEFERRED SUBMITTALS SHALL INCLUDE BUT ARE NOT LIMITED TO: a. COLD FORMED STEEL STUDS / JOISTS / HEADERS / JAMBS / TRUSSES.

b. SEISMIC BRACING OF ALL ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL ITEMS

WHERE REQUIRED BY THE MOST RECENT VERSION OF ASCE 7 AND THE PROJECT CONTRACT

| | | | Structural Sheet Index | *************************************** |
|---|-----------------|------------------|------------------------|--|
| | SHEET NUMBER | | SHEET NAME | |
| | S001 | STRUCTURAL NOTES | | · · |
| | S002 | SCHEDULES | | . * * . |
| | S003 | SCHEDULES | | |
| | S101 | STRUCTURAL PLANS | | |
| • | S201 | DETAILS | | |
| | S202 | DETAILS | | The state of the s |
| | S203 | DETAILS | | |

LEGEND OF SYMBOLS AND ABBREVIATIONS FOOTING MARK = ANCHOR BOLT = ABOVE TOP OF FOOTING ELEV. ARCH = ARCHITECT BLW = BELOW SECTION MARK = BOUNDARY NAILING = COMPLETE JOINT PENETRATION SHEET NUMBER = CENTERLINE = COLUMN TOP OF FOUNDATION WALL OR = CONCRETE COLUMN PIER ELEV. = CONCRETE PIER = DEMAND CRITICAL SHEAR WALL - SEE SCHEDULE = DIAMETER MIN. LENGTH OF SHEAR WALL = DEFORMED BAR ANCHOR DECK BEARING ELEVATION S —— FOOTING STEP = ELEVATION = EDGE NAILING . (>**•** DEPRESS FDN./WALL AND POUR = EDGE OF DECK = FOUNDATION FLOOR SLAB OVER AT CONCRETE FOOTING FOUNDATION WALL = FINISHED FLOOR ELEVATION = HEADED STUD ANCHOR HD - SIMPSON HOLDOWN SIZE POST = KICKER BRACE SIZE OF END POST CONNECTED TO = MAXIMUM MAX HOLDOWN "A" - PLAN **MECH** MECHANICAL CONFIGURATION AT HOLDOWN AT MEZZ MEZZANINE FOUNDATION = MINIMUM ELEVATION NS, FS = NEAR SIDE, FAR SIDE = OR APPROVED EQUAL = OPPOSITE POWDER ACTUATED FASTENER = PLATE FRAMING CHANNEL SEE TYPICAL = REINFORCING REQ'D = REQUIRED = SIMILAR ITEMS, DETAILS, & SYSTEMS WHICH = TOP OF BEAM ELEVATION ARE PART OF THE LATERAL FORCE = TOP OF CONCRETE SLAB RESISTING SYSTEM. = TOP OF FOOTING = TOP OF STEEL ELEVATION = TYPICAL UNO = UNLESS NOTED OTHERWISE

L. TIMBER

1. WOOD GRADES (UNLESS NOTED OTHERWISE)

2.000.000 PS

ROOFS:

19/32

- a. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR/LARCH CLEARLY MARKED WITH A STAMP BY WWPA APPROVED AGENCY AND SHALL BE GRADED AS FOLLOWS: . HORIZONTAL MEMBERS: JOISTS & RAFTERS: NO. 2, BEAMS & STRINGERS: NO. 2.
- . VERTICAL MEMBERS: POST & TRIMMERS: NO. 1, STUDS: NO. 2. b. ALL FRAMING IN CONTACT WITH FOOTINGS, FOUNDATIONS OR SLABS ON GRADE SHALL BE PRESSURE TREATED OR TIMBERSTRAND LSL TREATED LUMBER WITH EQUIVALENT STRESS
- GRADES TO TYPICAL FRAMING MEMBERS. c. UNLESS NOTED OTHERWISE, ALL ENGINEERED LUMBER SHALL BE FURNISHED BY TRUS-JOIST CORPORATION OR APPROVED EQUAL AND SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES MODULUS OF ELASTICITY FLEXURAL STRESS RATING LVI · 2 000 000 PS 2 600 PS
- LSL: 1,550,000 PSI 2.325 PS 2. SHEATHING SHALL BE APA RATED SHEATHING, EXPOSURE I, EXTERIOR GLUE AND PANEL INDEX RATING AS NOTED BELOW UNLESS NOTED OTHERWISE: THICKNESS. LOCATION PANEL INDEX WALLS: 7/16"

2 900 PS

- INDIVIDUAL PIECES OF SHEATHING AT ROOF, FLOOR, AND SHEAR WALLS SHALL NOT BE SMALLER THAN 24" IN EITHER DIRECTION AND SHALL SPAN A MINIMUM OF TWO FRAMING SPACES, UNO. ALL 23/32" FLOOR SHEATHING SHALL BE TONGUE AND GROOVE UNLESS NOTED OTHERWISE 5. CONNECTIONS, FASTENERS, AND ADHESIVE a. ALL BOLTS THRU WOOD SHALL BE ASTM A307 AND SHALL HAVE HARDENED WASHERS UNDER ASTM
- A563 HEAVY HEX NUT AND BOLT HEADS. UNLESS NOTED OTHERWISE, 10d COMMON (0.148) NAILS SHALL BE USED TO FASTEN ALL PLYWOOD ROOF SHEATHING TO SUPPORTING TRUSSES, JOISTS, LEDGERS OR BLOCKING AS FOLLOWS: 1. BOUNDARY NAILING "BN": 6"O.C. AT ALL BEARING WALLS, SHEAR WALLS, BLOCKING, AND WHERE OTHERWISE INDICATED IN THE STRUCTURAL DRAWINGS. 2. PANEL EDGE NAILING "EN": 6"O.C. AT ALL OTHER PLYWOOD PANEL EDGES.

32/16

- . PANEL FIELD NAILING "FN": 12"O.C. AT INTERIOR SUPPORTS IN FIELD OF PANEL c. UNLESS NOTED OTHERWISE IN THE WOOD SHEAR WALL SCHEDULE ON SHEET XX/XXX, 8d COMMON (0.131) NAILS SHALL BE USED TO FASTEN ALL PLYWOOD SHEAR WALL SHEATHING TO STUDS AND **BLOCKING AS FOLLOWS:** 1. PANEL EDGE NAILING "EN": 6"O.C. PANEL FIELD NAILING "FN": 12"O.C. AT INTERIOR SUPPORTS IN FIELD OF PANEL.
- . NAILS SHALL BE GALVANIZED OR STAINLESS STEEL AT EXPOSED LOCATIONS OR IN TREATED WOOD (SEE NOTE BELOW FOR FASTENERS CONNECTED TO OR IN CONTACT WITH TREATED WOOD). THE HEAD OF ALL NAILS SHALL BE DRIVEN FLUSH WITH THE SURFACE OF THE SHEATHING
- EXCEPT WHERE NOTED OTHERWISE. THE NUMBER AND SIZE OF NAILS CONNECTING WOOD MEMBERS SHALL NOT BE LESS THAN THAT SET FORTH IN IBC TABLE 2304.10.1. CONNECTIONS FOR MULTIPLE PIECES OF ENGINEERED LUMBER PIECES SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. e. UNLESS NOTED OTHERWISE, ALL NAILS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: MIN. PENETRATION COMMON SHANK HEAD LENGTH
- DIAMETER DIAMETER INTO SUPPORT MEMBER NAIL SIZE 0.113" 0.266" 0.131" 0.281" 2-1/2" 1.375" 0.148" 0.312" 1.50" 0.148" 0.312" 3-1/4" 1.50"
- 0.162" 0.344" 3-1/2" f. A CONTINUOUS BEAD OF PERMANENT BOND TIMBER/WOOD ADHESIVE COMPOUND SHALL BE USED TO FASTEN ALL PLYWOOD FLOOR SHEATHING TO FLOOR JOISTS IN ACCORDANCE WITH
- MANUFACTURERS' SPECIFICATIONS. . ALL FRAMING ANCHORS, POST CAPS, HOLD DOWNS, COLUMN BASES ETC. TO BE PROVIDED BY SIMPSON OR APPROVED EQUAL AND SHALL BE ATTACHED IN ACCORDANCE WITH
- MANUFACTURER'S PUBLISHED DATA, UNLESS NOTED OTHERWISE. h. UNLESS NOTED OTHERWISE, ALL WALL BOTTOM PLATES TO BE ANCHORED TO FOUNDATIONS OR FOOTINGS WITH 3/4" DIAMETER ANCHOR BOLTS AT 32"O.C. WITH 8" MINIMUM EMBEDMENT. THERE SHALL BE A MINIMUM OF (2) ANCHOR BOLTS PER PLATE WITH ONE BOLT LOCATED NOT MORE THAN 12" AND NOT LESS THAN 4" FROM EACH END OF EACH PIECE. WALL BOTTOM PLATES AT SHEAR WALLS SHALL INCLUDE 1/4" x 3" x 3" STEEL PLATE WASHERS
- BETWEEN THE SILL PLATE AND NUT OF THE ANCHOR BOLT. THE HOLE IN THE PLATE WASHER IS PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH UP TO 3/16" LARGER THAN THE BOLT DIAMETER AND SLOT LENGTH NOT TO EXCEED 1-3/4". PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT. THE PLATE WASHER SHALL EXTEND TO WITHIN 1/2" OF THE EDGE OF THE BOTTOM PLATE ON THE SHEATHED SIDE. FASTENERS CONNECTED TO OR IN CONTACT WITH PRESERVATIVE-TREATED AND/OR FIRE-RETARDANT-TREATED WOOD (EXCEPT FOR TIMBERSTRAND LSL TREATED LUMBER AND BORATE
- BASED TREATMENTS) SHALL BE OF G-185 HOT-DIP GALVANIZED STEEL OR 304 OR 316 STAINLESS STEEL. STAINLESS STEEL AND GALVANIZED STEEL SHALL NEVER BE USED IN CONTACT WITH EACH 6. ALL WOOD TRUSSED RAFTERS SHALL BE FABRICATED IN COMPLIANCE WITH THE RESEARCH COMMITTEE RECOMMENDATIONS OF THE ICC FOR THE CONNECTOR PLATES USED. SUBMIT DESIGN CALCULATIONS WITH ENGINEERS SEAL FOR REVIEW WITH SHOP DRAWINGS. PROVIDE CALCULATIONS AND DETAILS FOR ALL TRUSS TO TRUSS CONNECTIONS INCLUDING CONNECTION HARDWARE. ALL
- THE TRUSS DESIGNER AND SHALL BE INCLUDED IN THE DESIGN CALCULATIONS FOR REVIEW. INSTALLATION OF ALL METAL-PLATE-CONNECTED WOOD TRUSSES SHALL COMPLY WITH THE FOLLOWING STANDARDS

NECESSARY TRUSS BRIDGING AND CONNECTION DESIGN OF TRUSS BRIDGING SHALL BE PROVIDED BY

- a. ANSI/TPI 1 "NATIONAL DESIGN STANDARD FOR METAL-PLATE-CONNECTED WOOD TRUSSES". b. TPI HIB "COMMENTARY AND RECOMMENDATIONS FOR HANDLING INSTALLING & BRACING METAL-PLATE-CONNECTED WOOD TRUSSES".
- c. TPI DSB "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL-PLATE-CONNECTED WOOD TRUSSES". UNLESS NOTED OTHERWISE, ALL ROOF SHEATHING AND WALL SHEATHING AT SHEAR WALLS SHALL

HAVE SOLID BLOCKING AT ALL PANEL EDGES.

NATURAL CROWN UP.

- 9. PROVIDE DOUBLE JOIST UNDER PARALLEL NONBEARING WALLS AND SOLID BLOCKING UNDER PERPENDICULAR NONBEARING WALLS. 10. AT ALL OVERBUILD LOCATIONS, ROOF SHEATHING SHALL BE COMPLETE BELOW OVERBUILDS PRIOR TO OVERBUILD CONSTRUCTION.
- 11. PROVIDE SOLID 2" (NOMINAL) FULL DEPTH BLOCKING AT ENDS AND SUPPORT LOCATIONS FOR ALL JOISTS AND RAFTERS. BLOCKING SHALL BE ATTACHED TO SUPPORT FRAMING WITH A MINIMUM OF (1) SIMPSON A35 FRAMING ANCHOR BETWEEN JOISTS UNLESS NOTED OTHERWISE 12. UNLESS NOTED OTHERWISE, ALL BEARING WALLS SHALL BE 2x6 SPACED AT 16"O.C. BLOCK ALL NON-SHEATHED BEARING WALLS AT 4'-0"O.C.

13. VERIFY THE STUD SPACING WITH THE ANCHOR BOLT LAY-OUT. WHERE STUDS INTERFERE WITH

ANCHOR BOLTS, PROVIDE AN ADDITIONAL FULL-HEIGHT STUD TO ENSURE THAT THE FULL CROSS-SECTIONAL AREA OF THE STUD IS IN CONTACT WITH THE SILL PLATE. 14. UNLESS NOTED OTHERWISE, ALL EXTERIOR WALLS AND SHEAR WALLS SHALL HAVE DOUBLE 2X TOP PLATES THAT ARE SPLICED TOGETHER WITH A MINIMUM OF 48" OF OVERLAP AND SHALL BE CONNECTED TOGETHER WITH A MINIMUM OF (50) 10d COMMON NAILS EACH SIDE OF THE SPLICE. OUTSIDE OF THESE SPLICE LOCATIONS, TOP PLATES SHALL BE NAILED TOGETHER WITH 10d NAILS AT

15. UNLESS NOTED OTHERWISE, ALL HORIZONTAL FRAMING MEMBERS SHALL BE INSTALLED WITH THE

SALT LAKE CITY, UTAH 8411 DESIGNUTAH.COM 1594 W. Park Cir. Ogden, Utah 84404 ph. 801.782.6008 fx. 801.782.4656

350 South 200 East, #106

ENTER ADDRESS HERE

DESCRIPTION

ARW PROJECT NO: 20207 DESIGN SEQUENCE PROJECT NO: 1904.01 CAD DWG FILE NO:

DRAWN BY: -Thorner DESIGNED BY <u>A. Higgs</u> DWG TYPE:

PROJECT PHASI

SHEET TITLE

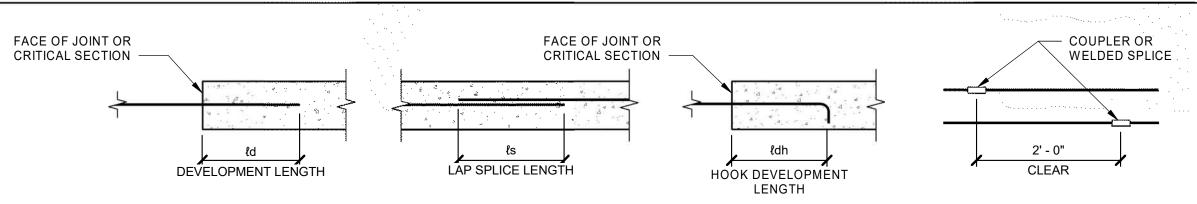
STRUCTURAL

| | | TABLE | OF EQUI | VALENT F | ASTENERS | | | | | | | | | |
|---------|---|---------------------------------------|---------|------------------|-------------------|---------|--|--|--|--|--|--|--|--|
| | STAPLES, NAILS AND T-NAILS (VALID FOR LATERAL LOADS ONLY) | | | | | | | | | | | | | |
| С | OMMON NAIL | | EQUIVAL | ENT SPACING OF A | PPROVED FASTENERS | | | | | | | | | |
| | SPACING | · · · · · · · · · · · · · · · · · · · | STAPLES | | NAILS & | T-NAILS | | | | | | | | |
| | GAUGE | 16 | 15 | 14 | .113 | .131 | | | | | | | | |
| | PENETRATION | 1" | 1" | 1" | 1 1/4" | 1 1/2" | | | | | | | | |
| | 4" | 3 1/2" | 4" | 5" | 4" | 5" | | | | | | | | |
| AT: | 6" | 5" | 6" | 7" | 6" | 7 1/2" | | | | | | | | |
| l | 0 | 6 1/2" | 8" | 9 1/2" | 8" | 10" | | | | | | | | |
| 9 | 10" | 8 1/2" | 10" | 12" | 10" | 12" | | | | | | | | |
| 6 | 12" | 10" | 12" | 14 1/2" | 12" | 14 1/2" | | | | | | | | |
| | 4" | 2 1/2" | 3 1/2" | 4" | 3 1/2" | 4" | | | | | | | | |
| AT: | 6" | 4" | 5" | 6" | 5" | 6" | | | | | | | | |
| l | 8" | 5 1/2" | 6 1/2" | 8" | 6 1/2" | 8" | | | | | | | | |
| B | 10" | 6 1/2" | 8" | 10" | 8" | 10" | | | | | | | | |
| | 12" | 8" | 10" | 12" | 9 1/2" | 12" | | | | | | | | |
| | 4" | 2" | 2 1/2" | 3" | 2 1/2" | 3 1/2" | | | | | | | | |
| AT: | 6" | 3 1/2" | 4" | 5" | 4" | 5" | | | | | | | | |
| | 8" | 4 1/2" | 5 1/2" | 6 1/2" | 5 1/2" | 7" | | | | | | | | |
| 10d | 10" | 5 1/2" | 7" | 8" | 6 1/2" | 8 1/2" | | | | | | | | |
| ~ | 12" | 6 1/2" | 8" | 9 1/2" | 8" | 10" | | | | | | | | |

PENETRATION IS THE DEPTH OF EMBEDMENT OF THE STAPLE OR NAIL INTO THE MAIN MEMBER REQUIRED TO ATTAIN ITS FULL CAPACITY (SHEAR VALUE) FOR LATERAL LOADING.

2018 IBC CONCRETE REBAR LAP SPLICE SCHEDULE

FOR CONCRETE APPLICATIONS (ACI 318 - 14)



| | | | | | -11 | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------|---|----|----|-----|----|----|-----|---------|----|-----|----|----|-----|------|--------|-------|--------|---------|-------|-------|---------|-----|---------|-----|-----|----|-----|-----|----------|
| | | | | | | | | | | | | | | CON | CRET | E REII | NFORG | CING 8 | & SPLIC | CE LE | NGTH: | S (IN)_ | | | | | | | | |
| BAR LOCATION | СО | NCRETE | | | | | | | <u></u> | | | | | | | | В | AR SI | ZE | | 72 | | | | | | | | | |
| DAK LOCATION | TYPF | STRENGTH | | #3 | | | #4 | | | #5 | | | #6 | | | #7 | | | #8 | | | #9 | | | #10 | | | #11 | | COMMENTS |
| | | J T T T T T T T T T T T T T T T T T T T | ℓd | ls | ℓdh | ℓd | ls | ldh | ℓd | ls | ℓdh | ℓd | ls | ℓdh | ℓd | ls | ldh | ℓd | ls | ℓdh | ℓd | ls | ℓdh | ℓd | ls | ℓdh | ld | ls | ldh | |
| VERT. WALL BARS, FILL ON METAL DECK | NWC | 3000 PSI | 17 | 22 | 8 | 22 | 29 | 8 | 28 | 36 | 10 | 33 | 43 | 12 | 48 | 62 | 13 | 55 | 72 | 15 | 62 | 81 | 17 | 69 | 90 | 19 | 76 | 99 | 30 | |
| HORIZ. WALL BARS, FOOTING TOP BARS | NWC | 3000 PSI | 17 | 22 | 8 | 22 | 29 | 8 | 28 | 36 | 10 | 33 | 43 | 12 | 48 | 62 | 13 | 55 | 72 | 15 | 62 | 81 | 17 | 69 | 90 | 19 | 76 | 99 | 30 | |
| BEAM BOTTOM BARS, COLUMN BARS | NWC | 3000 PSI | 17 | 22 | 8 | 22 | 29 | 11 | 28 | 36 | 14 | 33 | 43 | 16 | 48 | 62 | 19 | 55 | 72 | 22 | 62 | 81 | 25 | 69 | 90 | 27 | 76 | 99 | 30 | |
| FOOTING BOTTOM BARS | NWC | 3000 PSI | 12 | 16 | 8 | 14 | 18 | 8 | 17 | 22 | 10 | 20 | 26 | 12 | 29 | 38 | 13 | 33 | 43 | 15 | 37 | 48 | 17 | 42 | 55 | 19 | 46 | 60 | 30 | |
| BEAM TOP BARS | NWC | 3000 PSI | 22 | 29 | 8 | 29 | 38 | 11 | 36 | 47 | 14 | 43 | 56 | 16 | 63 | 82 | 19 | 72 | 94 | 22 | 81 | 105 | 25 | 90 | 117 | 27 | 98 | 127 | 30 | |
| SLAB ON GRADE | NWC | 3000 PSI | 12 | 16 | 8 | 14 | 18 | 8 | 17 | 22 | 10 | 20 | 26 | 12 | 32 | 42 | 13 | 42 | 55 | 15 | 53 | 69 | 17 | 69 | 90 | 19 | 76 | 99 | 30 | |
| | | | | | | | | | | | | | | CON | CRET | E REII | NFORG | CING 8 | & SPLI | CE LE | NGTH | S (IN) | | | | | | | | |
| • • | СО | NCRETE | | | | | | | | | | | | | | | В | AR SI | ZE | | 00 | | | | | | | | | |
| BAR LOCATION | TYPE | STRENGTH | | #3 | | | #4 | | | #5 | | | #6 | | | #7 | | | #8 | | | #9 | | | #10 | | | #11 | | COMMENTS |
| | 11112 | OTKENOTII | ℓd | ls | ldh | ℓd | ls | ℓdh | ℓd | ls | ℓdh | ℓd | ls | ℓdh | ℓd | ls | ldh | ℓd | ls | ℓdh | ℓd | ls | ℓdh | ℓd | ls | ℓdh | ℓd | ls | ldh | |
| VERT. WALL BARS, FILL ON METAL DECK | NWC | 4500 PSI | 14 | 18 | 7 | 18 | 23 | 6 | 23 | 30 | 8 | 27 | 35 | 9 | 40 | 52 | 11 | 45 | 59 | 13 | 51 | 66 | 14 | 56 | 73 | 16 | 62 | 81 | 25 | |
| HORIZ. WALL BARS, FOOTING TOP BARS | NWC | 4500 PSI | 14 | 18 | 7 | 18 | 23 | 6 | 23 | 30 | 8 | 27 | 35 | 9 | 40 | 52 | 11 | 45 | 59 | 13 | 51 | 66 | 14 | 56 | 73 | 16 | 62 | 81 | 25 | |
| BEAM BOTTOM BARS, COLUMN BARS | NWC | 4500 PSI | 14 | 18 | 7 | 18 | 23 | 9 | 23 | 30 | 11 | 27 | 35 | 13 | 40 | 52 | 16 | 45 | 59 | 18 | 51 | 66 | 20 | 56 | 73 | 22 | 62 | 81 | 25 | |
| FOOTING BOTTOM BARS | NWC | 4500 PSI | 12 | 16 | 7 | 12 | 16 | 6 | 14 | 18 | 8 | 17 | 22 | 9 | 24 | 31 | 11 | 27 | 35 | 13 | 31 | 40 | 14 | 34 | 44 | 16 | 37 | 48 | 25 | |
| BEAM TOP BARS | NWC | 4500 PSI | 18 | 23 | 7 | 24 | 31 | 9 | 30 | 39 | 11 | 35 | 46 | 13 | 51 | 66 | 16 | 59 | 77 | 18 | 66 | 86 | 20 | 73 | 95 | 22 | 80 | 104 | 25 | |
| SLAB ON GRADE | NWC | 4500 PSI | 12 | 16 | 7 | 12 | 16 | 6 | 14 | 18 | 8 | 17 | 22 | 9 | 27 | 35 | 11 | 34 | 44 | 13 | 44 | 57 | 14 | 56 | 73 | 16 | 62 | 81 | 25 | |

- 1. MECHANICAL COUPLERS MAY BE USED IN LIEU OF LAP SPLICES SHOWN. SEE STRUCTURAL NOTES FOR MINIMUM COUPLER CAPACITY. WHERE MECHANICAL COUPLERS ARE USED, STAGGER ADJACENT SPLICES A MINIMUM OF 24" AS
- 2. DEVELOPMENT LENGTHS SHALL BE INCREASED BY 50% FOR STRAIGHT BAR DEVELOPMENT AND 20% FOR HOOKED BARS WHERE EPOXY COATING IS USED.

. WHEN SPLICING BARS OF DIFFERENT SIZES, USE LAP SPLICE LENGTH OF LARGER BARS UNO.

4. SPLICE BARS LARGER THAN #11 USING MECHANICAL COUPLERS.

PROPERLY PREPARED SITE AND SUB-GRADE PRIOR

| | | | SPECIAL INSPEC | TION | SCHEDULE 1, 2 |
|--|-------------------------|-----------------------|-------------------------------------|------------|---|
| | | ES | STABLISHED PER 2018 IBC | SECTI | ION 110 AND CHAPTER 17 |
| ITEM | CONTINUOUS ³ | PERIODIC ³ | REFERENCE | | COMMENTS |
| PRE-FAB CONSTRUCTION (IBC 1704.2) | | | REFERENCE NOTES P1 & P2 | P1. P2. | 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 |
| REINFORCING STEEL PLACEMENT | | • | | | SLABS, FOUNDATION WALLS, PATIOS, DRIVEWAYS, AND SIDEWALKS PROVIDED THE REQUIREMENTS OF IBC 1705.3 ARE MET. |
| WELDING OF REINFORCING STEEL | • | • | REFERENCE NOTE C2 | C 2. | 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 |
| EMBEDDED BOLTS & PLATES | • | | | 1 | REINFORCED CONCRETE SHEAR WALLS, AND SHEAR REINFORCEMENT. PERIODIC SPECIAL INSPECTION IS ALLOWED FOR |
| VERIFYING REQUIRED DESIGN MIX | | • | | | WELDING OF OTHER ASTM A 706 REINFORCING STEEL NOT INCLUDED IN THE CONTINUOUS SPECIAL INSPECTION REQUIREMENTS NOTED ABOVE. |
| CONCRETE PLACEMENT / SAMPLING | • | | REFERENCE NOTE C3 | C 3. | PERFORM AIR, SLUMP AND TEMP. TESTS WHEN CONCRETE SAMPLES ARE CAST. |
| CURING TEMPERATURE / TECHNIQUES | | • | | C 4. | PERIODIC SPECIAL INSPECTION IS REQUIRED FOR VERIFICATION OF IN-SITU CONCRETE STRENGTH FOR POST-TENSIONED CONCRETE PRIOR TO TENSIONING TENDONS OR REMOVING SHORING OR FORMS |
| PRESTRESSED CONCRETE | | | | C 5. | EPOXY AND EXPANSION ANCHORS INTO MASONRY OR CONCRETE MAY BE USED ONLY WHEN APPROVED BY ARCHITECT. AND/OR |
| APPLICATION OF PRESTRESSING FORCES | | | | 1 | ENGINEER USING AN APPROVED PRODUCT WITH CURRENT PUBLISHED ICC RESEARCH REPORT NUMBERS. COORDINATE CONTINUOUS/PERIODIC SPECIAL INSPECTION REQUIREMENTS WITH ICC REPORT |
| GROUTING BONDED TENDONS | | | IN SEISMIC-FORCE-RESISTING SYSTEM | - | |
| ERECTION OF PRECAST MEMBERS | | | IN GERMINET CHOEK REGISTING STOTEM | + | |
| VERIFICATION OF IN-SITU STRENGTH | | | REFERENCE NOTE C4 | | |
| EPOXY / EXPANSION ANCHOR PLACEMENT | | • | REFERENCE NOTE C5 | - | |
| WOOD (IBC 1705.5 & 1705.11.1 & 1705.12.2) | | | INCITENCE NOTE CO | 10/4 | WOOD OTRUCTURAL DANIEL QUEATURE QUALL DE INORESTER TO ACCEPTAIN THAT OR ARE AND THICKNESS ARE IN COMPLIANCE |
| HIGH LOAD DIAPHRAGMS (ROOF / FLOOR) | | • | REFERENCE NOTE W1 | W 1. | 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 |
| SITE-BUILT ASSEMBLIES | | | NEI ERENGE NOTE WI | | DIAMETER AND LENGTH, THE NUMBER OF FASTENER LINES, AND SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS SHALL ALSO BE INSPECTED AND VERIFIED FOR COMPLIANCE WITH APPROVED BUILDING PLANS. |
| SHEAR WALL & DIAPHRAGM NAILING | | | REFERENCE NOTE W2 | ₩ 2. | SPECIAL INSPECTION IS NOT REQUIRED FOR WOOD SHEAR WALLS, WOOD DIAPHRAGMS, INCLUDING NAILING, & BOLTING, AND |
| DRAG STRUTS | | | INCITENCE NOTE WZ | ─ | OTHER FASTENING TO OTHER COMPONENTS WHERE THE SPACING OF THE SHEATHING FASTENERS IS GREATER THAN 4"o.c. SPECIAL INSPECTION SHALL BE PERFORMED TO VERIFY THAT THE INSTALLATION OF TEMPORARY AND PERMANENT |
| BRACES & SHEAR PANELS | | | | - W 3. | RESTRAINT/BRACING IS INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE. |
| HOLDOWNS | | | | \perp | |
| GLUING OPERATIONS | | | | \dashv | |
| 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 |
| EXCAVATIONS EXTEND TO PROPER DEPTH AND REACH PROPER MATERIAL | | • | REFERENCE NOTE F2 | | 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. |
| CLASSIFY & TEST CONTROLLED FILL MATERIALS | | • | REFERENCE NOTE F2 | 1 | |
| PERFORM MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL. | • | | REFERENCE NOTE F1 | | |
| 1 | | | | | |

GENERAL SPECIAL INSPECTION NOTES: THE ITEMS MARKED WITH A "O" 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, 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. ANY CONSTRUCTION OR MATERIAL THAT HAS FAILED INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT.

CONTINUOUS SPECIAL INSPECTION MEANS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. PERIODIC SPECIAL INSPECTION MEANS THE 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 202)

REFERENCE NOTE F1

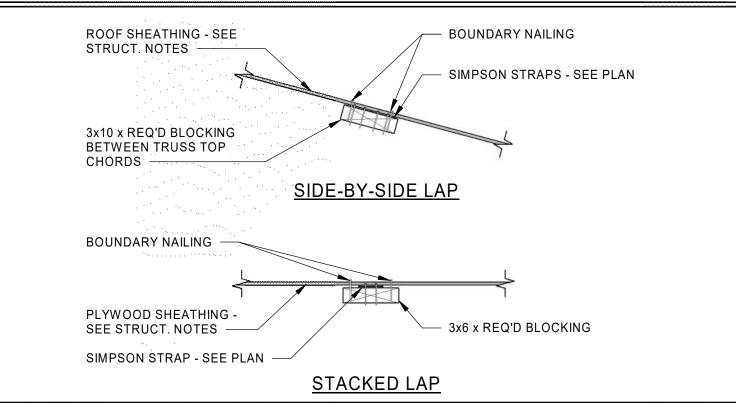
| MAR | | FOOTING SCHEDULE | | | | | | | | | |
|------|------------|------------------|-------|---------------------|--------------------|-------------|------------------|---|---------|--|--|
| 1 11 | K WIDTH | LENGTH | THICK | LENGTHW NO. | ISE REINF. SIZE | CROS NO. | SSWISE R SIZE | EINF. SPA. | REMARKS | | |
| FC2 | 2'-0" | CONT. | 12" | (2) | #5 | | | | | | |
| F4 | 4'-0" | 4'-0" | 12" | (4) | #5 | (4) | #5 | | | | |
| F5.5 | 5'-6" | 5'-6" | 12" | (6) | #5 | (6) | #5 | | | | |
| | | | | | | | | | | | |
| 3" | CLEAR TYPE | EQ | | EQ. 3" TYPIC ECTION | 3" CLE | RCING — | P. FOO | Q. EQ. 3" CLEAR 2" CLEAR 3" CLEAR 3" CLEAR TING SECTION BOTTOM REINF. | | | |

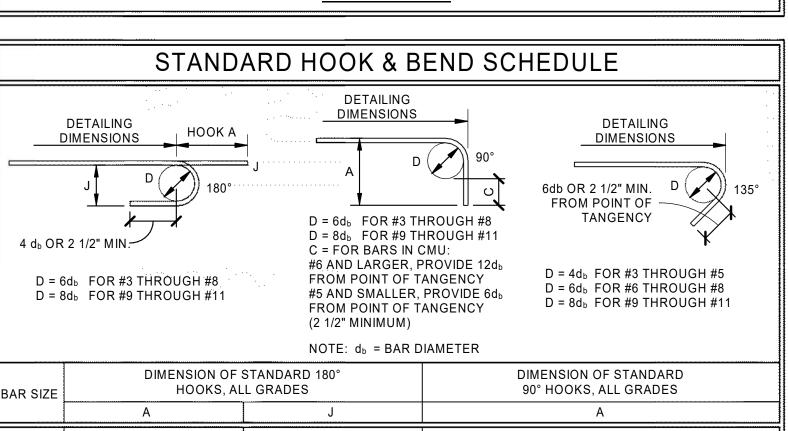
| RK | WIDTH LENGTH THICK LENGTHWISE REINF. CROSSWISE REINF. | | | | | | | REMARKS | | |
|----------------------|---|--------|-------|-----|------|-----|----------|----------|--|--|
| <u> </u> | חוטוייי | LENGIH | тпіск | NO. | SIZE | NO. | SIZE | SPA. | REWARKS | |
| 2 | 2'-0" | CONT. | 12" | (2) | #5 | | | | | |
| | | | | | | | | | | |
| ļ. | 4'-0" | 4'-0" | 12" | (4) | #5 | (4) | #5 | | | |
| 5 | 5'-6" | 5'-6" | 12" | (6) | #5 | (6) | #5 | | | |
| | | | | | | | | | | |
| | | | | | | | | | ************************************** | |
| TYP. FOOTING SECTION | | | | | | | 2" CLEAR | | | |
| | | | | | | | <u> </u> | <u> </u> | JOHN NEIMI. | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| COIL STRAP LAP SPLICE SCHEDULE | | | | | | | | |
|--------------------------------|-----------------|-------------|--------------|----------|--|--|--|--|
| | | LAP SPLICE | | | | | | |
| ITEM # | MIN. # FASTENER | MIN. LAP SP | LICE LENGTH | COMMENTS | | | | |
| | PER SPLICE | STACKED | SIDE-BY-SIDE | | | | | |
| OMOT 40 | 25-16d | 22" | 33" | | | | | |
| CMST 12 | 30-10d | 27" | 39" | | | | | |
| CMST 14 | 18-16d | 16" | 26" | | | | | |
| CIVIST 14 | 21-10d | 19" | 30" | | | | | |
| CMCTC 4C | 13-16d | 11" | 20" | | | | | |
| CMSTC 16 | 15-10d | 12" | 20" | | | | | |
| CS 14 | 26-10d | | 15" | | | | | |
| | 30-8d | | 16" | | | | | |
| 00.40 | 20-10d | | 11" | | | | | |
| CS 16 | 22-8d | | 13" | | | | | |
| 00.40 | 16-10d | | 9" | | | | | |
| CS 18 | 18-8d | | 11" | | | | | |
| 00.00 | 12-10d | | 6" | | | | | |
| CS 20 | 14-8d | | 9" | | | | | |
| 00.00 | 10-10d | | 7" | | | | | |
| CS 22 | 12-8d | | 6" | | | | | |
| | | | | | | | | |
| | | | | | | | | |

- NO STRAP MODIFICATION IS ALLOWED.
- SPLICE MUST MEET BOTH THE MINIMUM NUMBER OF FASTENERS AND THE MINIMUM SPLICE LENGTH.
- ALL NAIL SIZES LISTED ARE COMMON NAILS. 10d COMMON MAY BE REPLACED BY 16d SINKERS. NO OTHER NAIL SUBSTITUTION IS ALLOWED FOR LAP SPLICES. 5. IF WOOD SPLITTING OCCURS, USE EVERY OTHER NAIL HOLE AND LENGTHEN SPLICE TO ACCOMMODATE THE
- 6. ALL STRAPS TO BE INSTALLED UNDER SHEATHING. 7. TWO OPTIONS EXIST FOR COIL STRAP LAPPING.
- a. LAP ONE STRAP STACKED ON TOP OF THE OTHER STRAP. b. INSTALL STRAPS SIDE BY SIDE - TO DO THIS A LARGER BLOCK MUST BE USED. THE BLOCK MUST BE ON SOLID PIECE.
- 8. STRAP TO BE INSTALLED TIGHT.

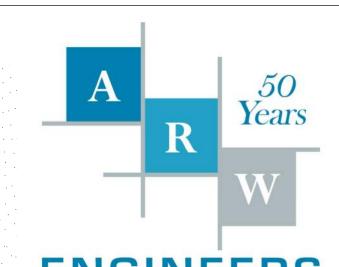
REQUIRED NUMBER OF NAILS.





| | | NOTE: d _b = BAR DIA | METER | |
|--------|-------|--------------------------------|--|-----------|
| R SIZE | | F STANDARD 180° ALL GRADES | DIMENSION OF STANDARD 90° HOOKS, ALL GRADES | |
| | А | J | A | |
| #3 | 5" | 3" | 6" | \exists |
| #4 | 6" | 4" | 8" | |
| #5 | 7" | 5" | 10" | |
| #6 | 8" | 6" | 1'-0" | |
| #7 | 10" | 7" | 1'-2" | |
| #8 | 11" | 8" | 1'-4" | |
| #9 | 1'-3" | 11 3/4" | 1'-7" | |
| #10 | 1'-5" | 1'-1 1/4" | 1'-10" | |
| #11 | 1'-7" | 1'-2 3/4" | 2'-0" | -11 |





1594 W. Park Cir. Ogden, Utah 84404 ph. 801.782.6008 fx. 801.782.4656

SANTAQUIN SHOPS

ENTER ADDRESS HERE

DESCRIPTION

| ARW PROJECT NO: | 20207 |
|-----------------------|----------------|
| DESIGN SEQUENCE PROJE | |
| -CAD DWG FILE NO: | |
| | |
| DRAWN BY: | Z. Thorner |
| DESIGNED BY: | A. Higgs |
| DWG TYPE: | |
| PROJECT PHASE: NOT FO | R CONSTRUCTION |

SHEET TITLE

SCHEDULES

| SOTTENDOS PERSONS ON TRANSPORTANT SECURIS AND CONTINUOUS PERSONS ON TRANSPORTANT SECURIS AND CONTINUOUS PERSONS ON THE PROPERTY OF THE PROPERT | THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING NENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE FION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ITIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND FIELD PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (N) | CONTINUOUS PERIODIC C CONTINUOUS PERIODIC C | ONTINUOUS PERIODIC ONTINU | E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS A R OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT I E ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, G STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRE SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
|--|--|---|--|--|
| TABLES DEPOTUBLES ON PROPERTY OF THE PROPERTY | ED IN ACCORDANCE WITH ASTM REQUIREMENTS IS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT SARE TO BE EXCLUDED FROM SHEAR PLANE) PROCEDURES SELECTED FOR JOINT DETAIL ENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION ATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS VERIFICATION TESTING BY INSTALLATION PERSONNEL CUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER ON TASKS DURING BOLTING (TABLE N5.6-2) LIES, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE QUIRED THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING NENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE FION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF BOLTED CONNECTIONS ON'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COMIT THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON. BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT IN DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND FIELD PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT FRANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (N) FRANCE (QA) INSPECTIONS. | CONTINUOUS PERIODIC C CONTINUOUS PERIODIC C | CONTINUOUS PERIODIC CONTINUOU | OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. CONTINUOUS - PERFORM THESE TASKS FOR EACH BOLT CONNECTION. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FAI AND ERECTOR. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHE REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AI APPLICABLE BUILDING CODE (ABC), PURCHASER, OWNEL ENGINEER OF RECORD (EOR). NONDESTRUCTIVE TESTISHALL BE PERFORMED BY THE AGENCY OR FIRM RESPOFOR QUALITY ASSURANCE, EXCEPT AS PERMITTED IN ACCORDANCE WITH SECTION NT. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICAT TESTING AS SPECIFIED IN TABLE NS.6-1 AND MONITORING INSTALLATION PROCEDURES AS SPECIFIED IN TABLE NS. NOT APPLICABLE. THE QCI AND QAI NEED NOT BE PRESIDURING THE INSTALLATION OF FASTENERS IN SNUG-TIG FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INIMETHOD, OR THE TWIST-OFF-TYPE TENSION CONTROL E METHOD, MONITORING OF BOLT PRETENSIONING PROCES SHALL BE AS SPECIFIED IN TABLE NS.6-2. THE QCI AND QAI NEED NOT FASTEN WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE TURN-OF-NUT METHOD OF FASTEN WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD NOT BE PRESENT DURING THE INSTALLATION OF FASTEN WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSION OF FASTEN WHEN THESE METHODS ARE USED BY THE METHOD TO THE WORK OF THE RECORD THE PRESENT OF THE |
| NUMBERAL DICTITION CATTOR FOR YELD IN CONSUMBLES ANALABLE I PERRODICATION FOR YELD IN CONSUMBLES ANALABLE I PERRODICATION FOR YELD IN CONSUMBLES ANALABLE I PERRODICATION FOR THE PERSON A RANDOM MARK. I CHERR DICTITION FOR THE PERSON AND RANDOM MARK. I CHERR DICTITION FOR THE PERSON AND RANDOM MARK. I CHERR DICTITION FOR THE PERSON AND RANDOM MARK. I CHERR DICTITION FOR THE PERSON AND RANDOM MARK. I CHERR DICTITION FOR THE PERSON AND RANDOM MARK. I CHERR DICTITION FOR THE PERSON AND RANDOM MARK. I CHERR DICTITION FOR THE PERSON AND RANDOM MARK. I CHERR DICTITION FOR THE PERSON AND RANDOM MARK. I CHERR DICTITION FOR THE PERSON AND RANDOM MARK. I CHERR DICTITION FOR THE PERSON AND RANDOM MARK. I CHERR DICTITION FOR THE PERSON AND RANDOM MARK. I CHERR | S SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT S ARE TO BE EXCLUDED FROM SHEAR PLANE) PROCEDURES SELECTED FOR JOINT DETAIL ENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION ATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS VERIFICATION TESTING BY INSTALLATION PERSONNEL CUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER ON TASKS DURING BOLTING (TABLE N5.6-2) LIES, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE QUIRED THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING NENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE FION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF BOLTED CONNECTIONS GENERAL STEE RION TASKS AFTER BOLTING (TABLE N5.6-1) TO THE WORK OF THE FABRICATOR. OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECTION OF BOLTED CONNECTIONS OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COMIT THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON. BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT OF THE CONCETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS EIGHEN OF JOINT POPPER APPLICATION OF JOINT FRANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (N) FRANCE (QA) INSPECTIONS. | CONTINUOUS PERIODIC C CONTINUOUS PERIODIC C | CONTINUOUS PERIODIC CONTINUOU | INSPECTIONS. CONTINUOUS - PERFORM THESE TASKS FOR EACH BOLT CONNECTION. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FAI AND ERECTOR. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHE REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AI APPLICABLE BUILDING CODE (ABC), PURCHASER, OWNEI ENGINEER OF RECORD (EOR). NONDESTRUCTIVE TESTING SHALL BE PERFORMED BY THE AGENCY OR FIRM RESPO FOR QUALITY ASSURANCE, EXCEPT AS PERMITTED IN ACCORDANCE WITH SECTION N7. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICAT TESTING AS SPECIFIED IN TABLE N5.6-1 AND MONITORING INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5.0-1 AND MONITORING INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5.0-1 AND TABLE |
| THE ALL DESTRICTION THE PLANE OR AND THE PLANE TO THE PLANE THE PL | S ARE TO BE EXCLUDED FROM SHEAR PLANE) PROCEDURES SELECTED FOR JOINT DETAIL ENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION ATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS VERIFICATION TESTING BY INSTALLATION PERSONNEL CUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER ION TASKS DURING BOLTING (TABLE N5.6-2) LILES, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE QUIRED THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING NENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE TON TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT YONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED. OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COMING THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ATONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH COM. BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND FIELD PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT BRANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (N) FRANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (N) | CONTINUOUS PERIODIC C CONTINUOUS PERIODIC C | FONTINUOUS PERIODIC ONTINUOUS PERIODIC ONTIN | CONNECTION. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FAI AND ERECTOR. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHE REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AI APPLICABLE BUILDING CODE (ABC), PURCHASER, OWNEI ENGINEER OF RECORD (EOR). NONDESTRUCTIVE TESTISHALL BE PERFORMED BY THE AGENCY OR FIRM RESPOOR OR QUALITY ASSURANCE, EXCEPT AS PERMITTED IN ACCORDANCE WITH SECTION NT. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICAT TESTING AS SPECIFIED IN TABLE N5.6-1 AND MONITORING INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5.6-1 AND MONITORING INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5.6-1 AND MONITORING INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5.6-1 AND MONITORING INSTALLATION OF FASTENERS IN SNUG-TIG FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INI METHOD, MONITORING OF BOLT PRETENSIONING PROCE SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND Q NOT BE PRESENT DURING THE INSTALLATION OF FASTEN WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SIN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED IN ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLATION OF SASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLATION OF SASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLATION OF SASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLATION OF SASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLATION OF SASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLATION OF SASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLATION OF SASTENERS WHEN THESE METHODS ARE USED BY THE INSTALLATION OF SASTENERS WHEN THE SEMETHOD SASTED SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROMOTION OF THE RESCORD SHALL BE THE METHOD TO THE WORK OF THE ERECTOR APPROVED BY THE SERVED SHALL |
| HIGH PRINTERCHON SYSTEM JOSEPH PREPARATION J | ROCEDURES SELECTED FOR JOINT DETAIL ENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION ATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS VERIFICATION TESTING BY INSTALLATION PERSONNEL CUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER ON TASKS DURING BOLTING (TABLE N5.6-2) LIES, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE QUIRED THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING NENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE FION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT YONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COMIT THE ERECTOR'S QCI SHALL INSPECT THE FERETED STEEL FRAME IT HE PRECITED STEEL FRAME IT HE PREMISES FOR INSPECTION DURING THE PLACEMENT IN DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND FIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT BEALL FRAME, AS ENERS, MEMBER LOCATIONS, EXCEPT NONDESTRUCTIVE TESTING (N) FANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (N) | CONTINUOUS PERIODIC C CONTINUOUS PERIODIC C | FONTINUOUS PERIODIC ONTINUOUS PERIODIC ONTIN | QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FAI AND ERECTOR. QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHE REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AI APPLICABLE BUILDING CODE (ABC), PURCHASER, OWNEI ENGINEER OF RECORD (EOR). NONDESTRUCTIVE TESTIS SHALL BE PERFORMED BY THE AGENCY OR FIRM RESPOOFOR QUALITY ASSURANCE, EXCEPT AS PERMITTED IN ACCORDANCE WITH SECTION NT. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICAT TESTING AS SPECIFIED IN TABLE N5.6-1 AND MONITORING INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5. NOT APPLICABLE. THE QCI AND QAI NEED NOT BE PRESIDURING THE INSTALLATION OF FASTENERS IN SNUG-TIG FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION. (INTERPRETED) MONITORING OF BOLT PRETENSION CONTROL EMETHOD, MONITORING OF BOLT PRETENSION OF FASTEI WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONED PROVISIONS OF THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONED PROVISIONS OF THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONED PROVISIONS OF THE CALIBRATED WRENCH METHOD TO CONFIRM THAT THE MATERIALS, PROVISIONS OF THE ROSC SPECIFICATION. **PECTOR** (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE EINTERRUPTION TO THE WORK OF THE ERECTOR. **THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS ARE RECTOR AND THE AUTHORITY HAVING JURISDI |
| DO SAMPLES ON PROPERTY AND PROPERTY AND PROPERTY AND PROPERTY OUR P | ENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION ATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS VERIFICATION TESTING BY INSTALLATION PERSONNEL CUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER ON TASKS DURING BOLTING (TABLE N5.6-2) ILIES, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE QUIRED THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING NENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE TION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE ALL TO THE WORK OF THE FABRICATOR. NOF THE ERECTED STEEL SYSTEM SHALL BE MADE ALL TO THE WORK OF THE FABRICATOR. NOF THE ERECTED STEEL SYSTEM SHALL BE MADE ALL TO THE WORK OF THE FABRICATOR. OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COMING THE ERECTOR'S OCI SHALL INSPECT THE ERECTED STEEL FRAME, AS THE ERECTOR'S OCI SHALL INSPECT THE ERECTED STEEL FRAME, AS TO NOTED TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL FRAME, AS ENERGY ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT ON DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND FIELD PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL FRAME, AS ENERGY, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT BRANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI RANCE (QA) INSPECTIONS. | CONTINUOUS PERIODIC C CONTINUOUS PERIODIC C | FONTINUOUS PERIODIC ONTINUOUS PERIODIC ONTIN | QUALITY ASSURANCE (QA) SHALL BE PROVIDED BY OTHE REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AI APPLICABLE BUILDING CODE (ABC), PURCHASER, OWNEI ENGINEER OF RECORD (EOR). NONDESTRUCTIVE TESTISHALL BE PERFORMED BY THE AGENCY OR FIRM RESPOOR OR QUALITY ASSURANCE, EXCEPT AS PERMITTED IN ACCORDANCE WITH SECTION N7. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICAT TESTING AS SPECIFIED IN TABLE N5.6-1 AND MONITORING INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5. NOT APPLICABLE. THE QCI AND QAI NEED NOT BE PRESIDURING THE INSTALLATION OF FASTENERS IN SNUG-TIGFOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INI METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROL EMETHOD, MONITORING OF BOLT PRETENSION CONTROL EMETHOD, MONITORING OF BOLT PRETENSION OF FASTEI WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSION OF FASTEI WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SIN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED II ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROMON WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. **PECTOR* (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE EINTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS ARE ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STIFFEN |
| MONTH PREPARATION PUBLISHMENT SOOT OPENING, ROOT PACE, BEVELL PUBLISHMENT SOOT PACE, PUBLISHMENT SOOT PACE, BEVELL PUBLISHMENT SOOT PACE, BEVELL SOOT PACE, BEVELL PUBLISHMENT SOOT PACE, PUBLISHMENT SOOT PACE, BEVELL PUBLISHMENT SOOT PACE, PUBLISHMENT SOOT PACE, BEVELL SOOT PACE, B | ATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS VERIFICATION TESTING BY INSTALLATION PERSONNEL CUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER ON TASKS DURING BOLTING (TABLE N5.6-2) LIES, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE QUIRED THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING NENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE TION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT YONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COMING THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME, ITONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONBE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT IN DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND FIELD PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS, AND PROPER APPLICATION OF JOINT BETAILS AT EACH CONSENDED THE FABRICATED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT BETAILS AT EACH CONSENDED THE FABRICATED STEEL FRAME, AS ENERS, MEMBER LOCATIONS, AND PROPER APPLICATION OF JOINT BEALL FRAME, AS ENERS, MEMBER LOCATIONS, EXCEPT NONDESTRUCTIVE TESTING (N) RECEIVERS, MEMBER LOCATIONS, EXCEPT NONDESTRUCTIVE TESTING (N) | CONTINUOUS PERIODIC C CONTINUOUS PERIODIC C | ONTINUOUS PERIODIC ONTINUOUS PERIODIC ONTINUOUS PERIODIC 8. ICON NOTES: THE QUALITY ASSURANCE IN ECTION FUNCTION BETWEEN EAPPROVAL OF THE ENGINE HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DON. ICON MPLIANCE WITH THE DETAILS ON. ICON ICON THE SHOP DRAWING THE DETAILS SHOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTING ON EMBEDDED ITEM, AND THE DETAILS ON. ICON THE WORK IS PERFORMED IN AN APPROVED FABRICATOR | REQUIRED BY THE AUTHORITY HAVING JURISDICTION (AI APPLICABLE BUILDING CODE (ABC), PURCHASER, OWNEI ENGINEER OF RECORD (EOR). NONDESTRUCTIVE TESTIIS SHALL BE PERFORMED BY THE AGENCY OR FIRM RESPO FOR QUALITY ASSURANCE, EXCEPT AS PERMITTED IN ACCORDANCE WITH SECTION N7. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICAT TESTING AS SPECIFIED IN TABLE N5.6-1 AND MONITORING INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5. NOT APPLICABLE. THE QCI AND QAI NEED NOT BE PRESIDURING THE INSTALLATION OF FASTENERS IN SNUG-TIG FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INI METHOD, MONITORING OF BOLT PRETENSION CONTROL EMETHOD, MONITORING OF BOLT PRETENSION OF FASTEI WHEN THESE METHODS ARE USED BY THE INSTALLER. ONTO BE PRESENT DURING THE INSTALLATION OF FASTEI WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SIN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED II ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTEI WHEN THESE METHODS ARE USED BY THE OBSERVATION OF BOLTING OPERATIONS SHALL BE AS SIN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED II ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE OBSERVATION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROMONOM THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE EINTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROMONOM THE CONSTRUCTION OF JOINT DETAILS AT EITHOR OF THE PROVISION OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE EINTERRUPTION TO THE WORK OF THE RECTOR STIFFENERS, STIFFENERS, STIFFENERS, STIFFENERS, STIFFENERS, STIFFENERS, STIFFENERS, STIFFENERS, S |
| DOMESTICATE ADDITIONAL PROPERTY ADDIT DEPAND, ADDIT PACE, SEVEL) OBLIGHOUS ADDITIONAL CONTROL OF ADDITIONAL C | VERIFICATION TESTING BY INSTALLATION PERSONNEL CUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER ION TASKS DURING BOLTING (TABLE N5.6-2) PROVIDED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE QUIRED THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING NENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE TION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COMIT THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ITONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON. BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT IN DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL FRAME, AS GENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (N) FRANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (N) | CONTINUOUS PERIODIC C CONTINUOUS PERIODIC C | ONTINUOUS PERIODIC ONTINUOUS PERIODIC ONTINUOUS PERIODIC 8. ION NOTES: THE QUALITY ASSURANCE IN ECTION FUNCTION BETWEEN EAPPROVAL OF THE ENGINE HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DON. MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AND THE WOR | ENGINEER OF RECORD (EOR). NONDESTRUCTIVE TESTIS SHALL BE PERFORMED BY THE AGENCY OR FIRM RESPO FOR QUALITY ASSURANCE, EXCEPT AS PERMITTED IN ACCORDANCE WITH SECTION NOT. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICAT TESTING AS SPECIFIED IN TABLE N5.6-1 AND MONITORING INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5. NOT APPLICABLE. THE QCI AND QAI NEED NOT BE PRESI DURING THE INSTALLATION OF FASTENERS IN SNUG-TIG FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INI METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROLE METHOD, MONITORING OF BOLT PRETENSIONING PROCE SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND Q NOT BE PRESENT DURING THE INSTALLATION OF FASTEI WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE ASSIN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED II ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTEINERS WHEN THESE METHODS ARE USED BY THE OBSERVATION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROMOTO AND WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. PECCTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS A ROF RECORD AND THE AUTHORITY HAVING JURISDICTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SO STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESSION ON THE CONSTRUCTION DOCUMENTS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESSION ON THE CONSTRUCTION DOCUMENTS, SUCH AS SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| CALABANIASS (COUDTON) OF STEEL BURSACES) APPLICABLY STEEL COUNTY OF A COUNTY | CUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER ON TASKS DURING BOLTING (TABLE N5.6-2) LIES, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE QUIRED THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING NENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE TION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COMIT THE ERECTOR'S QCI SHALL INSPECT THE FREETON DURING THE PLACEMENT NOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (N) FRANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (N) FRANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (N) | CONTINUOUS PERIODIC C CONTINUOUS PERIODIC C | ONTINUOUS PERIODIC ONTINUOUS PERIODIC ONTINUOUS PERIODIC 8. ION NOTES: THE QUALITY ASSURANCE IN ECTION FUNCTION BETWEEN EAPPROVAL OF THE ENGINE HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DON. MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AND THE WOR | FOR QUALITY ASSURANCE, EXCEPT AS PERMITTED IN ACCORDANCE WITH SECTION N7. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICAT TESTING AS SPECIFIED IN TABLE N5.6-1 AND MONITORING INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5. NOT APPLICABLE. THE QCI AND QAI NEED NOT BE PRESI DURING THE INSTALLATION OF FASTENERS IN SNUG-TIG FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INI METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROL BE METHOD, MONITORING OF BOLT PRETENSIONING PROCES SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND QNOT BE PRESENT DURING THE INSTALLATION OF FASTEI WHEN THESE METHODS ARE USED BY THE INSTALLER, FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTEIN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED IN ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE OBSERVATION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROMAND WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. PECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE BE INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS ARE OF RECORD AND THE AUTHORITY HAVING JURISDICTION OF SOME SOME SUITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SOME SUCH AS PROPER APPLICATION OF JOINT DETAILS AT THE ERECTOR DEPTH OF EMBEDMENT INTO THE CONCRESSION ON THE CONSTRUCTION DOCUMENTS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESSION ON THE CONSTRUCTION DOCUMENTS, SUCH AS SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| THEORIES PROCESSANDERS AND THE CONTINUOUS PRODUCT OF A PROCESSANDERS AND THE PROCESSANDERS | PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER ON TASKS DURING BOLTING (TABLE N5.6-2) FILIES, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE QUIRED THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING NENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE TION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT YONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COMIT THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ITIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONBE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT NO DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | CONTINUOUS PERIODIC C CONTINUOUS PERIODIC C | ONTINUOUS PERIODIC ONTINUOUS PERIODIC ONTINUOUS PERIODIC 8. ION NOTES: THE QUALITY ASSURANCE IN ECTION FUNCTION BETWEEN EAPPROVAL OF THE ENGINE HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DON. MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AND THE WOR | ACCORDANCE WITH SECTION N7. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICAT TESTING AS SPECIFIED IN TABLE N5.6-1 AND MONITORING INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5. NOT APPLICABLE. THE QCI AND QAI NEED NOT BE PRESI DURING THE INSTALLATION OF FASTENERS IN SNUG-TIG FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INI METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROLE METHOD, MONITORING OF BOLT PRETENSIONING PROCE SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND Q NOT BE PRESENT DURING THE INSTALLATION OF FASTEI WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SI IN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED II ASSIGNED INSPECTION DUTIES DURING INSTALLATION O FASTENERS WHEN THESE METHODS ARE USED BY THE OBSERVATION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PRO- AND WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SEPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS A R OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT I E ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRE SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN S'S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| FOR COLUMNY STEELS PROCESS. FOR COLUMNY ASSISTANCE EXCEPT AS SENDED ON THE OWN THE OW | CON TASKS DURING BOLTING (TABLE N5.6-2) LIES, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE QUIRED THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING NENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE TION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF BOLTED CONNECTIONS OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME INTONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND FIELD PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI RANCE (QA) INSPECTIONS. | CONTINUOUS PERIODIC C CONTINUOUS PERIODIC C | ONTINUOUS PERIODIC ONTINUOUS PERIODIC ONTINUOUS PERIODIC 8. ION NOTES: THE QUALITY ASSURANCE IN ECTION FUNCTION BETWEEN EAPPROVAL OF THE ENGINE HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DON. MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AND THE WOR | TESTING AS SPECIFIED IN TABLE N5.6-1 AND MONITORING INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5. NOT APPLICABLE. THE QCI AND QAI NEED NOT BE PRESIDURING THE INSTALLATION OF FASTENERS IN SNUG-TIG FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INIMETHOD, OR THE TWIST-OFF-TYPE TENSION CONTROLE METHOD, MONITORING OF BOLT PRETENSIONING PROCESHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND QNOT BE PRESENT DURING THE INSTALLATION OF FASTEN WHEN THESE METHODS ARE USED BY THE INSTALLER FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SIN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED IN ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE OBSERVATION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PRO AND WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS AR OF RECORD AND THE AUTHORITY HAVING JURISDICTION COS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT E ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STIFFENER |
| UND DE CAR GROON WE BIS CHARGE. Y. AND KLONTS HOUSE READING MEDIUMS AND CONTROL SEVEL ONE PREMANDER MEDIUMS CONTROL SEVEL ONE PREMANDER MEDIUM CONTROL SEVEL ONE PRE | CENERAL STEE RANCE (QA) INSPECTION OF FABRICATED THE BRADE AT THE PROJECTION OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PREDICTION FUNCTION ON THE PRETTION OF THE PREDICTION OF JOINT ON TO THE PREDICTION OF SOME OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE STEEL SYSTEM SHALL BE MADE AT THE PROJECTION SAND PROPER APPLICATION OF JOINT DETAILS AT EACH COMBINE SHALL INSPECT THE FRECTED STEEL FRAME AS SHOULD SHALL INSPECT THE FRECTED STEEL FRAME AND DROPER APPLICATION OF THE CONCRETE. INSPECT THE FABRICATED STEEL OSTEEL FRAME, AS SENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NIT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NIT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NIT PROVIDED THE STING (NIT | CONTINUOUS PERIODIC C CONTINUOUS PERIODIC C | ONTINUOUS PERIODIC ONTINUOUS PERIODIC ONTINUOUS PERIODIC 8. ION NOTES: THE QUALITY ASSURANCE IN ECTION FUNCTION BETWEEN EAPPROVAL OF THE ENGINE HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DON. MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AND THE WOR | INSTALLATION PROCEDURES AS SPECIFIED IN TABLE N5. NOT APPLICABLE. THE QCI AND QAI NEED NOT BE PRESI DURING THE INSTALLATION OF FASTENERS IN SNUG-TIG FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-IND METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROL E METHOD, MONITORING OF BOLT PRETENSIONING PROCES SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND Q NOT BE PRESENT DURING THE INSTALLATION OF FASTEN WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SI IN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED II ASSIGNED INSPECTION DUTIES DURING INSTALLATION O FASTENERS WHEN THESE METHODS ARE USED BY THE METHOD USED TO CONFIRM THAT THE MATERIALS, PRO AND WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. PECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS A R OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT IT E ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRE SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| THIOU RECORD CINCLUDING JOINT GOVERNING TOMATICATION AND TREATACHS TOMATICATION AND THORAT ACTION TOMATICATION AND THORAT ACCESS (NAME) TOMATICATION AND THORAT ACCESS (NA | CENERAL STEE RANCE (QA) INSPECTION OF FABRICATED THE BRADE AT THE PROJECTION OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PREDICTION FUNCTION ON THE PRETTION OF THE PREDICTION OF JOINT ON TO THE PREDICTION OF SOME OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE STEEL SYSTEM SHALL BE MADE AT THE PROJECTION ON THE STEEL SYSTEM SHALL BE MADE AT THE PROJECTION SAND PROPER APPLICATION OF JOINT DETAILS AT EACH COMBINE SHALL INSPECT THE FRECTED STEEL FRAME AS SHOULD SHALL INSPECT THE FRECTED STEEL FRAME AND DROPER APPLICATION OF THE CONCRETE. INSPECT THE FABRICATED STEEL OSTEEL FRAME, AS SENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NIT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NIT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NIT PROVIDED THE STING (NIT | CONTINUOUS PERIODIC C CONTINUOUS PERIODIC C | ONTINUOUS PERIODIC ONTINUOUS PERIODIC ONTINUOUS PERIODIC 8. ION NOTES: THE QUALITY ASSURANCE IN ECTION FUNCTION BETWEEN EAPPROVAL OF THE ENGINE HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DON. MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AND THE WOR | DURING THE INSTALLATION OF FASTENERS IN SNUG-TIG FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INI METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROLE METHOD, MONITORING OF BOLT PRETENSIONING PROCES HALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND Q NOT BE PRESENT DURING THE INSTALLATION OF FASTE WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SI IN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED IN ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE OBSERVATION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROAND WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS AR OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT BE ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STIFFENERS, STIFFENERS, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| FASTERIARY AND TO TO OPINING, ROOT FACE, REVEL) TO DIRECTION SET INTO TO OPINING, ROOT FACE, REVEL) TO DIRECTION SET INTO TO OPINING, ROOT FACE, REVEL) TO DIRECTION SET INTO TO OPINING, ROOT FACE, REVEL) TO COLLANUES CONDITION OF STEEL SURFACES) TO COLLANDE CONDITION OF STEEL SURFACES) TO COLLANDE CONDITION OF STEEL SURFACES CONDITION OF STEEL SUR | THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING NENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE TION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT THE PROJECT ON THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECT ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT YOULY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COMETTE ONLY ONLY ONLY ONLY ONLY ONLY ONLY ONLY | CONTINUOUS PERIODIC C EL SPECIAL INSPECTI AT THE FABRICATOR'S PLANT. THE FABRICATOR'S PLANT. THE TED TO COORDINATE THE INSPETIONS PERFORMED BY QC, THE TED TO VERIFY COMPLIANCE WITH INNECTION. TO FANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTINUENT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | ONTINUOUS PERIODIC ON NOTES: THE QUALITY ASSURANCE IN EQUILE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN EAPPROVAL OF THE ENGINE! HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTING OR EMBEDDED ITEM, AND THE DON. MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN AN AND AN APPROVED FABRICATOR | INSTALLER IS USING THE TURN-OF-NUT METHOD WITH MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INI METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROL E METHOD, MONITORING OF BOLT PRETENSIONING PROCESS HALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND Q NOT BE PRESENT DURING THE INSTALLATION OF FASTEIN WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SIN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED IN ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE OBSERVATION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROMAND WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS ARE OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT IT IS SECOND TO THE WORK OF THE ERECTOR. STIFFENERS, STIFFENERS, STIFFENERS, STIFFENERS, STIFFENERS, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| TORIGNEDING QUECKNETT, COTT OPENING, ROOT FACE, SEVEL) 7. INDUSTRICTION AND TREE DESTRICTS, STATE CORP. 7. CLEAM RESS CONDITION OF STEEL SURFACES, STATE CORP. 7. CLEAM RESS CORP. 7. CONDITION OF STEEL SURFACES, STATE CORP. 7. CLEAM RESS CORP. 7. CLEAM RESS CORP. 7. CONDITION OF STEEL SURFACES, STATE CORP. 7. CLEAM RESS CO | THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING NENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE FION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ITIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND FIELD PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (N) | CONTINUOUS PERIODIC C EL SPECIAL INSPECTI AT THE FABRICATOR'S PLANT. THE FABRICATOR'S PLANT. THE TED TO COORDINATE THE INSPETIONS PERFORMED BY QC, THE TED TO VERIFY COMPLIANCE WITH INNECTION. TO FANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTINUENT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | ONTINUOUS PERIODIC ON NOTES: THE QUALITY ASSURANCE IN EQUILE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN EAPPROVAL OF THE ENGINE! HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTING OR EMBEDDED ITEM, AND THE DON. MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN AN AND AN APPROVED FABRICATOR | MATCHMARKING TECHNIQUES, THE DIRECT-TENSION-INI METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROL E METHOD, MONITORING OF BOLT PRETENSIONING PROCE SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND Q NOT BE PRESENT DURING THE INSTALLATION OF FASTE! WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SI IN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED IN ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE OBSERVATION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROMINE WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS AR OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT BE ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESION ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| - OLERANIARS (CONDITION OF STEEL SURFACES) - THOMBY GRACE HEAD QUALITY AND LOCATION) - WE FOUR ATTOM AND FRIENDS OF ACCESS HOLES - UP OF PLEET WELLS SHALL BE THE PRIMARY PRODUCT OF THE CONSTRUCTION OF A CONTINUOUS PRODUCT OF THE CONTINUOUS PRODUCT OF THE WELLS SHALL BE THE TOWN AS PRODUCT OF THE WELL OF THE CONTINUOUS PRODUCT OF THE WELL OF | RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE FION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS REANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AND THE WORK OF THE FABRICATOR. NOF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJECTION OF THE FABRICATOR. NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITTY ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCTOR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COMING THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAMELIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONDITIONS. BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT NO DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS SENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | CONTINUOUS PERIODIC C EL SPECIAL INSPECTI AT THE FABRICATOR'S PLANT. THE FABRICATOR'S PLANT. THE TED TO COORDINATE THE INSPETIONS PERFORMED BY QC, THE TED TO VERIFY COMPLIANCE WITH INNECTION. TO FANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTINUENT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | ONTINUOUS PERIODIC ON NOTES: THE QUALITY ASSURANCE IN EQUILE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN EAPPROVAL OF THE ENGINE! HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTING OR EMBEDDED ITEM, AND THE DON. MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN AN AND AN APPROVED FABRICATOR | METHOD, MONITORING OF BOLT PRETENSIONING PROCES HALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND Q NOT BE PRESENT DURING THE INSTALLATION OF FASTEN WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SIN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED II ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROMOND WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE BE INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS ARE OF RECORD AND THE AUTHORITY HAVING JURISDICTION OF SO, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT IT EXCENTIONS OF THE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESION ON THE CONSTRUCTION DOCUMENTS, SUCH AS STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESION ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| OF IN-REGOGES AND COMPLETED WEILD SHALL IS THE PRIMARY WITHOUT COMPITTION THE MATTERIALS PROCEDURES AND INFEGURATION AND FINISHOP A ACCESS HOLES OF INFEGURATION AND FINISHOP A ACCESS HOLES SHALL BE TIPE OF INFEGURATION INFEGURATION AND FINISHOP AND FINISH | RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE FION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT TO THE WORK OF THE FABRICATOR. NOT THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ITIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONDITIONS ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT NO DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | CONTINUOUS PERIODIC C EL SPECIAL INSPECTI AT THE FABRICATOR'S PLANT. THE FABRICATOR'S PLANT. THE TED TO COORDINATE THE INSPETIONS PERFORMED BY QC, THE TED TO VERIFY COMPLIANCE WITH INNECTION. TO FANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTINUENT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | ONTINUOUS PERIODIC ON NOTES: THE QUALITY ASSURANCE IN EQUILE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN EAPPROVAL OF THE ENGINE! HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTING OR EMBEDDED ITEM, AND THE DON. MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN AN AND AN APPROVED FABRICATOR | SHALL BE AS SPECIFIED IN TABLE N5.6-2. THE QCI AND Q NOT BE PRESENT DURING THE INSTALLATION OF FASTER WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SI IN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED II ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE IOBSERVATION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROMAND WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE EINTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS AR OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT IT EXCENTIFIED TO THE WORK OF THE ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESION ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| WORKMANDER ARE IN CONFORMANCE WITH THE CODE STRUCTURES - DIMENSIONS (ALIONMENT, CAPS AT ROOT) - CLEAN, IMPOST (ALIONMENT) - CLEAN, IMPOST (A | RETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE FION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT TO THE WORK OF THE FABRICATOR. NOT THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ITIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONDITIONS ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT NO DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | CONTINUOUS PERIODIC C EL SPECIAL INSPECTI AT THE FABRICATOR'S PLANT. THE FABRICATOR'S PLANT. THE TED TO COORDINATE THE INSPETIONS PERFORMED BY QC, THE TED TO VERIFY COMPLIANCE WITH INNECTION. TO FANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTINUENT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | ONTINUOUS PERIODIC ON NOTES: THE QUALITY ASSURANCE IN EQUILE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN EAPPROVAL OF THE ENGINE! HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTING OR EMBEDDED ITEM, AND THE DON. MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN AN AND AN APPROVED FABRICATOR | WHEN THESE METHODS ARE USED BY THE INSTALLER. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SI IN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED II ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE OBSERVATION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROPORTION OF MORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS AR OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT IT EXCEPTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESION ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| - DOCUMENTS FOR STRUCTURAL SIEL. ALL PROVISIONS OF AWS DIT ACCESS FOLES SHALL BE TESTED BY CLEANINGS (CONTINUOUS PERIODIC CONTINUOUS PERIODIC CONT | TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE TION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT TO THE WORK OF THE FABRICATOR. NOF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | EL SPECIAL INSPECTI AT THE FABRICATOR'S PLANT. THE CONTROL THE INSPECT THE TED TO COORDINATE THE INSPECTIONS PERFORMED BY QC, THE MALLIANCE WITH THE DETAILS SHE TO VERIFY COMPLIANCE WITH INNECTION. TO FANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS THE ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTROL TO THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTROL TO THE ANCHOR THE ANCHOR THE ANCHOR THE ANCHOR THE ANCHOR THE FALL THE ANCHOR THE THE THE ANCHOR THE THE THE ANCHOR THE | THE QUALITY ASSURANCE IN EDULE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN APPROVAL OF THE ENGINEIS THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DETAILS ON. IE WORK IS PERFORMED IN AN AND AN APPROVED FABRICATOR | FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, INSTALLER IS USING THE CALIBRATED WRENCH METHOD TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SI IN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED II ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE OBSERVATION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROVAND WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS AR OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT IT ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESION ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN IT SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| PROCRESSING SALES FROM WELDING CONTINUOUS PERIODIC CONTINUOUS PERI | TEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE TION TASKS AFTER BOLTING (TABLE N5.6-3) TANCE OR REJECTION OF BOLTED CONNECTIONS GENERAL STEE RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AT TO THE WORK OF THE FABRICATOR. NOF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | EL SPECIAL INSPECTI AT THE FABRICATOR'S PLANT. THE CONTROL THE INSPECT THE TED TO COORDINATE THE INSPECTIONS PERFORMED BY QC, THE MALLIANCE WITH THE DETAILS SHE TO VERIFY COMPLIANCE WITH INNECTION. TO FANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS THE ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTROL TO THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTROL TO THE ANCHOR THE ANCHOR THE ANCHOR THE ANCHOR THE ANCHOR THE FALL THE ANCHOR THE THE THE ANCHOR THE THE THE ANCHOR THE | THE QUALITY ASSURANCE IN EDULE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN APPROVAL OF THE ENGINEIS THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DETAILS ON. IE WORK IS PERFORMED IN AN AND AN APPROVED FABRICATOR | TURN-OF-NUT METHOD WITHOUT MATCHMARKING, MON OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SI IN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED II ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE I OBSERVATION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROPORTION OF MAND WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS AR OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT ITE ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESION ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| **CLEAN, IRSS (CONDITION OF FTEEL SURFACES)** **TACKING (TACK WELD DUALITY AND LOCATION)** **ERCHED SUPPLIES AND LOCATION)** **TACKING (TACK WELD DUALITY AND LOCATION)** **ERCHED SUPPLIES AND LOCATION)** **TACKING SUPPLIES AND LOCATION OF THE FORE AND CRACK SHALL BE THE FORE A | GENERAL STEE RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE A I TO THE WORK OF THE FABRICATOR. N OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ITIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | EL SPECIAL INSPECTI AT THE FABRICATOR'S PLANT. THE CONTROL THE INSPECT THE TED TO COORDINATE THE INSPECTIONS PERFORMED BY QC, THE MALLIANCE WITH THE DETAILS SHE TO VERIFY COMPLIANCE WITH INNECTION. TO FANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS THE ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTROL TO THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTROL TO THE ANCHOR THE ANCHOR THE ANCHOR THE ANCHOR THE ANCHOR THE FALL THE ANCHOR THE THE THE ANCHOR THE THE THE ANCHOR THE | THE QUALITY ASSURANCE IN EDULE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN APPROVAL OF THE ENGINEIS THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DETAILS ON. IE WORK IS PERFORMED IN AN AND AN APPROVED FABRICATOR | OF BOLT PRETENSIONING PROCEDURES SHALL BE AS SI IN TABLE N5.6-2. THE QCI AND QAI SHALL BE ENGAGED II ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE INSPECTION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROPORTION OF MAND WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE EINTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS AR OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT IT EXECUTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESION ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| TACKING (TACK WELD QUALITY AND LOCATION) TACKING (TACK WELD QUALITY AND LOCATION) TACK WELD (TACK WELD QUALITY AND LOCATION) TACKING (TACK WELD QUA | GENERAL STEE RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE A I TO THE WORK OF THE FABRICATOR. N OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ITIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | EL SPECIAL INSPECTI AT THE FABRICATOR'S PLANT. THE CONTROL THE INSPECT THE TED TO COORDINATE THE INSPECTIONS PERFORMED BY QC, THE MALLIANCE WITH THE DETAILS SHE TO VERIFY COMPLIANCE WITH INNECTION. TO FANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS THE ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTROL TO THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTROL TO THE ANCHOR THE ANCHOR THE ANCHOR THE ANCHOR THE ANCHOR THE FALL THE ANCHOR THE THE THE ANCHOR THE THE THE ANCHOR THE | THE QUALITY ASSURANCE IN EDULE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN APPROVAL OF THE ENGINEIS THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DETAILS ON. IE WORK IS PERFORMED IN AN AND AN APPROVED FABRICATOR | ASSIGNED INSPECTION DUTIES DURING INSTALLATION OF FASTENERS WHEN THESE METHODS ARE USED BY THE INSERVATION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE EINTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS AR OF RECORD AND THE AUTHORITY HAVING JURISDICTION ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESION ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| DECK WELDING EQUIPMENT HE PARAFACTOR OR PRECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A HE PARAFACTOR OR PRECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A THE PARAFACTOR OR PRECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A THE PARAFACTOR OR PRECTOR AS A SPELDER OR SHALL BE THE CON-STRESS TYPE. SPECTION TASKS DURING WELDING (TABLE NS.4-2) CONTINUOUS PERIODIC CONTINUOUS PERIODIC CONTINUOUS PERIODIC CONTINUOUS PERIODIC CONTINUOUS PERIODIC TO PROCEED THE PROCESS OF SUZE ON LOCATION AND THE PARAFE OF UT IS ONLY PERMITTED TO BE REDUCED FOR APPROVED BY THE EOR AND THE AND THE PROCESS TO TO SONS SHOULD THE PROCESS | GENERAL STEE RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE A I TO THE WORK OF THE FABRICATOR. N OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ITIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | AT THE FABRICATOR'S PLANT. TECT SITE. THE QAI SHALL SCHE TED TO COORDINATE THE INSP TIONS PERFORMED BY QC, THE MPLIANCE WITH THE DETAILS SHE TO VERIFY COMPLIANCE WITH INNECTION. TOF ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTROL OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | THE QUALITY ASSURANCE IN EDULE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN APPROVAL OF THE ENGINEIS HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE EMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DETAILS ON. IE WORK IS PERFORMED IN AN AND APPROVED FABRICATOR | FASTENERS WHEN THESE METHODS ARE USED BY THE OBSERVATION OF BOLTING OPERATIONS SHALL BE THE METHOD USED TO CONFIRM THAT THE MATERIALS, PROPORTION WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE EINTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS AR OF RECORD AND THE AUTHORITY HAVING JURISDICTION ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESION ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| THE PASPICATION OF RECTOR AS APPLICABLE SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A MAINTAIN A SYSTEM BY WHICH A WELDER BY A MAINTAIN A SYSTEM BY WHICH A WELDER BY A MAINTAIN A SYSTEM BY WHICH A WELDER BY A MAINTAIN A SYSTEM BY WHICH A WELDER BY A MAINTAIN A SYSTEM BY WHICH A WELDER BY A MAINTAIN A SYSTEM BY WHICH A WELDER BY A MAINTAIN A SYSTEM BY WHICH A WELDER BY A MAINTAIN A MAINTAIN A SYSTEM BY WELDER BY A MAINTAIN A SYSTEM BY BY A MAINTAIN A SYSTEM BY BY A MAINTAIN A SYSTEM BY BY BY A MAINTAIN A SYSTEM BY | RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AND THE WORK OF THE FABRICATOR. NOF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE K IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI) | AT THE FABRICATOR'S PLANT. TECT SITE. THE QAI SHALL SCHE TED TO COORDINATE THE INSP TIONS PERFORMED BY QC, THE MPLIANCE WITH THE DETAILS SHE TO VERIFY COMPLIANCE WITH INNECTION. TOF ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTENT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | THE QUALITY ASSURANCE IN EDULE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN APPROVAL OF THE ENGINEIS HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE EMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DETAILS ON. IE WORK IS PERFORMED IN AN AND APPROVED FABRICATOR | METHOD USED TO CONFIRM THAT THE MATERIALS, PROPORTION WORKMANSHIP INCORPORATED IN CONSTRUCTION CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS AR OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT EXERCISE ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESION ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| PRECTION TASKS DURING WELDING (TABLE N5.4-2) CONTINUOUS PERIODIC PROMISITED NY FORCE CRACKED TACK WELDING CONSUMABLES PACKAGING | RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AND THE WORK OF THE FABRICATOR. NOF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE K IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI) | AT THE FABRICATOR'S PLANT. TECT SITE. THE QAI SHALL SCHE TED TO COORDINATE THE INSP TIONS PERFORMED BY QC, THE MPLIANCE WITH THE DETAILS SHE TO VERIFY COMPLIANCE WITH INNECTION. TOF ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTENT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | THE QUALITY ASSURANCE IN EDULE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN APPROVAL OF THE ENGINEIS HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE EMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DETAILS ON. IE WORK IS PERFORMED IN AN AND APPROVED FABRICATOR | CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS AR OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT ITE ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE STOPP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| PRECTION TASKS DURING WELDING (TABLE N5.4-2) CONTINUOUS PERIODIC INTROLAND HANDLING OF WELDING CONSUMABLES PACKAGING | RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AND THE WORK OF THE FABRICATOR. NOF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE K IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI) | AT THE FABRICATOR'S PLANT. TECT SITE. THE QAI SHALL SCHE TED TO COORDINATE THE INSP TIONS PERFORMED BY QC, THE MPLIANCE WITH THE DETAILS SHE TO VERIFY COMPLIANCE WITH INNECTION. TOF ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTENT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | THE QUALITY ASSURANCE IN EDULE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN APPROVAL OF THE ENGINEIS HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE EMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DETAILS ON. IE WORK IS PERFORMED IN AN AND APPROVED FABRICATOR | PROVISIONS OF THE RCSC SPECIFICATION. SPECTOR (QAI) SHALL SCHEDULE THIS WORK TO MINIMIZE E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS A R OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT I E ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, G STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRE SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| INTROLAM HANDLING OF WELDING CONSUMABLES INTROLAM HANDLING OF WELDING CONSUMED THE NUMBER OF WELDING CONSUMED ON THE WELD OF WELDING CONSUMED OF WELDING CONSUMED ON THE WELD OF WELDING OF WELDING CONSUMED OF WELDING CONSUMED OF WELDING OF WELDING CONSUMED OF AT LEAST 40 COMPLETE OWNERS. HIS WELD THE WELD OF A CHARLES OF A CONSUMER OF A | RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AND THE WORK OF THE FABRICATOR. NOF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE K IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI) | AT THE FABRICATOR'S PLANT. TECT SITE. THE QAI SHALL SCHE TED TO COORDINATE THE INSP TIONS PERFORMED BY QC, THE MPLIANCE WITH THE DETAILS SHE TO VERIFY COMPLIANCE WITH INNECTION. TOF ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTENT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | THE QUALITY ASSURANCE IN EDULE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN APPROVAL OF THE ENGINEIS HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE EMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DETAILS ON. IE WORK IS PERFORMED IN AN AND APPROVED FABRICATOR | E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS A R OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT I E ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, G STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRE SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| PACKAGING AND THE AHJ PER AISC 300-16 CHAPTER NS.6. 12. FOR STRUCTURES IN RISK CATEGORY II, WHERE THE INITIAL RATE FOR STRUCTURES IN RISK CATEGORY II, WHERE THE INITIAL RATE FOR STRUCTURES IN RISK CATEGORY II, WHERE THE INITIAL RATE FOR STRUCTURE SIN RISK CATEGORY II, WHERE THE INITIAL RATE FOR STRUCTURE SIN RISK CATEGORY II, WHERE THE INITIAL RATE FOR STRUCTURE PRECIDED ON THE MELDING OPERATOR. A SAMPLING OF A CAN INSPECTION OF STRUCTURE PRECIDED ON THE MELDING OPERATOR. A SAMPLING OF AT LEAST 20 COMPLETED WELDING FOR A JOB SHALL BE MADE PRIOR TO MIPLEMENTING SUCH AN INCREASE. WHEN THE REJECT RATE FOR THE WELDER OF WELDING OPERATOR. A SAMPLING OF AT LEAST 20 COMPLETED WELDING FOR A JOB SHALL BE MADE PRIOR TO MIPLEMENTING SUCH AN INCREASE. WHEN THE REJECT RATE FOR THE WELDER OF WELDING FOR A JOB SHALL BE REPORTED OF THE WELDER OF WELDING FOR A JOB SHALL BE REPORTED OF A THE WELDER OF WELDING FOR A JOB SHALL BE REPORTED OF A THE WELDER OF WELDING FOR A JOB SHALL BE REPORTED OF A THE WELDER OF WELDING FOR A JOB SHALL BE REPORTED OF A THE WELDER OF WELDING FOR A JOB SHALL BE REPORTED OF A THE WELDER OF WELDING FOR A JOB SHALL BE REPORTED OF A THE WELDER OF WELDING FOR A JOB SHALL BE REPORTED OF A JOB SHALL BE A JOB SHA | RANCE (QA) INSPECTION OF FABRICATED ITEMS SHALL BE MADE AND THE WORK OF THE FABRICATOR. NOF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE K IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI) | AT THE FABRICATOR'S PLANT. TECT SITE. THE QAI SHALL SCHE TED TO COORDINATE THE INSP TIONS PERFORMED BY QC, THE MPLIANCE WITH THE DETAILS SHE TO VERIFY COMPLIANCE WITH INNECTION. TOF ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS APPROPRIATE, TO VERIFY CONTENT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | THE QUALITY ASSURANCE IN EDULE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN APPROVAL OF THE ENGINEIS HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE EMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DETAILS ON. IE WORK IS PERFORMED IN AN AND APPROVED FABRICATOR | E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS A R OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT I E ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, G STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRE SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| 12. FOR STRUCTURES IN RISK CATEGORY II, WHERE THE INITIAL RATE FOR AUTHORISON, THE NOT RATE FOR AUTHORISON II, WHERE THE INITIAL RATE FOR THE SPECIAL FOR AUTHORISON III, WHERE THE INITIAL RATE FOR AUTHORISON III, WHERE THE EFECTIVE THROUGH IN INITIAL RATE FOR AUTHORISON III, WHERE THE FOR AUTHORISON III, WHERE THE FOR AUTHORISON III, WHERE THE FOR THE INITIAL RATE FOR AUTHORISON III, WHERE THE FOR THE REJECT RATE FOR THE REJECT RATE FOR THE REJECT RATE FOR THE RATE OF AUTHORISON III, WHERE THE RATE OR AUTHORISON III, WHERE THE RATE OF AUTHORISON III, WHERE THE EFFECTIVE THROUGH IN INTERPORT SHALL BURNTY THE TESTED MEDICAL RATE OF AUTHORISON III, WHERE THE EFFECTIVE THE AUTHORISON III, WHE | I TO THE WORK OF THE FABRICATOR. N OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE (IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ATIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI) | ECT SITE. THE QAI SHALL SCHE TED TO COORDINATE THE INSP TIONS PERFORMED BY QC, THE MPLIANCE WITH THE DETAILS SHE TO VERIFY COMPLIANCE WITH INNECTION. TOF ANCHOR RODS AND OTHEI D LENGTH OF THE ANCHOR ROI S APPROPRIATE, TO VERIFY CO IT DETAILS AT EACH CONNECTION NDT), MAY BE WAIVED WHEN TH NDT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | EDULE THIS WORK TO MINIMIZECTION FUNCTION BETWEEN APPROVAL OF THE ENGINEITH OWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE EMBEDMENTS SUPPORTING OR EMBEDDED ITEM, AND THE DETAILS ON. IE WORK IS PERFORMED IN AN AND APPROVED FABRICATOR | E INTERRUPTION TO THE WORK OF THE ERECTOR. THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS A R OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT I E ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, G STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRE SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| WELDING OPER ATACK WELDS WELDING OPERATOR SHALL BE INCREASED TO 100% SHOULD THE REJECT RATE. THE NUMBER OF WELDS CONTAINING UNACCEPTABLE DEPECTS DIVIDED BY THE NUMBER OF WELDS CONTAINING UNACCEPTABLE DEPECTS DIVIDED BY THE NUMBER OF WELDS COMMENTED. SECRET SHOULD BY THE NUMBER OF WELDS. AS AMPLING OF AT LEAST 20 COMMENTED. WELD IN SO, OF THE WELDER OR A DESIGNATION. A SAMPLING OF AT LEAST 20 COMMENTED. WELD SHOULD BY THE NUMBER OF WELDS. THE NUMBER OF WELDS. AS AMPLING OF AT LEAST 20 COMMENTED. TO 5% ON EXEST, THE FAST OF THE WELDER OR WELDING OPERATOR, AFTER A SAMPLING OF AT LEAST 40 COMPILETED. WELDS. HAS FALLEN TO 5% ON EXEST, THE RATE OF UT SHALL BE RETURNED TO 10%. FOR EVALUATING THE REJECT ATE AND EXCEPTION OF THE DEPENDENCE OF THE WELDER OR WELDING OPERATOR, AFTER A SAMPLING OF AT LEAST 40 COMPILETED. WELDS. HAS FALLEN TO 5% ONE SET THE PROVISION OF REASON. THE REJECT AND EXCEPTION OF THE DEPENDENCE ON THE NUMBER OF WELDS. THE PROVISION OF THE DEPENDENCE ON THE PROVISION OF THE DEPENDENCE ON THE PROVISION OF THE DEPENDENCE ON WELD. FOR EVALUATING THE REJECT AND EXPENDENCE OF THE DEPENDENCE ON WELD. FOR EVALUATING THE REJECT AND EXPENDENCE OF THE DEPENDENCE ON WELD. FOR EVALUATING THE REJECT AND EXPENDENCE OF THE DEPENDENCE ON WELD. FOR EVALUATING THE REJECT AND EXPENDENCE OF THE DEPONDENCE ON WELD. FOR EVALUATING THE REJECT AND EXPENDENCE OF THE DEPONDENCE OF THE DEPONDENCE ON WELD STATE OF CONTINUOUS WELD SO THE WELD FOR EVALUATING THE REJECT AND EXPENDENCE OF THE DEPONDENCE OF THE DEPONDENCE ON WELD STATE OF CONTINUOUS WELD SO THE WELD STATE OF CONTINUOUS WELD SO THE WELD STATE OF CONTINUOUS WELD SO THE WELD STATE OF CONTINUOUS WELD STATE OF THE DEPONDENCE OF THE DEP | N OF THE ERECTED STEEL SYSTEM SHALL BE MADE AT THE PROJE IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT Y ONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTED STEEL FRAME AT IONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CONE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT OF DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND OF ITED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | TED TO COORDINATE THE INSP TIONS PERFORMED BY QC, THE MPLIANCE WITH THE DETAILS SH E TO VERIFY COMPLIANCE WITH INNECTION. T OF ANCHOR RODS AND OTHEI D LENGTH OF THE ANCHOR ROI S APPROPRIATE, TO VERIFY CO IT DETAILS AT EACH CONNECTION NOT), MAY BE WAIVED WHEN TH NDT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | ECTION FUNCTION BETWEEN EAPPROVAL OF THE ENGINE IN HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE EMBEDMENTS SUPPORTING OR EMBEDDED ITEM, AND THE DETAILS ON. IE WORK IS PERFORMED IN AN AN APPROVED FABRICATOR | THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS AR OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT IT E ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, GSTRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRE SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SSHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| REJECT RATE, THE NUMBER OF WELLDS REJECT RATE, THE NUMBER OF WELLDS COMPLETED, EXCEEDS \$%, OF THE WELDS IS STED FOR THE WELDER OR WELLDING OPERATOR. A SAMPLING OF AT ILEAST 20 COMPLETED, EXCEEDS \$%, OF THE WELDS IS STED FOR THE WELDER OR WELLDING OPERATOR. A SAMPLING OF AT ILEAST 20 COMPLETED WELDER OR WELLDING OPERATOR. A SAMPLING OF AT ILEAST 20 COMPLETED WELDER OR WELDING OPERATOR. A SAMPLING OF AT ILEAST 20 COMPLETED WELDER OR WELDING OPERATOR. A SAMPLING OF AT ILEAST 20 CONNECT SETTINGS ON WELDING EQUIPMENT SELECTED WELDING OPERATOR. AFTER A SAMPLING OF AT ILEAST 30 CONNECT AT ILEAST 40 COMPLETED WELDS. HAS FALLEN TO 5% OR LESS. THE RATE OF CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WHERE THE EFFECTIVE HIROAT IS 11, 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 IS REPAIRED AND IN LIBE DECOUNDENTED. FOR SHOP INTERPASS TEMPERATURE MAINTAINED (MIN. / MAX) PROPERED POSITION (F. V. H. OH) ELDING TECHNIQUES INTERPASS AND FINAL CLEANING INTERPASS MEETS QUALITY REQUIREMENTS ACCEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS BEACLES ELDS CLEANED CONTINUOUS PERIODIC CONTINUOUS PERIODIC ELDS CLEANED ELDS CLEANED CONTINUOUS PERIODIC CONTINUOUS PERIODIC CONTINUOUS PERIODIC THE WELD ASSOCIATION THE REPORT SHALL BE THE ACAD STRIKES, GOUGES AND OTHER IMPERED OR NOR CONTINUOUS PERIODIC THE WELD ASSOCIATION THE PROPER SHALL BE THE CASE THE WELD ASSOCIATION THE NUMBER OF WELD SHALL BE THE CASE THE CASE THE CASE THE CASE THE CASE THE WELD ASSOCIATION OF WELD SHALL BE COLOR THE THE PROPERTY OF THE PERIODIC THE WELD ASSOCIATION THE NOT REPORT SHALL BE REPARADED OR THE CASE OF THE WELD AS A SHALL BE REPARADED OR THE CASE OF THE WELD AS A SHALL BE REPARADED OR | IS NOTED TO BE PERFORMED BY BOTH QC AND QA, IT IS PERMITT YONLY ONE PARTY. WHERE QA RELIES UPON INSPECTION FUNCT OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ITIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT NOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | TED TO COORDINATE THE INSP TIONS PERFORMED BY QC, THE MPLIANCE WITH THE DETAILS SH E TO VERIFY COMPLIANCE WITH INNECTION. T OF ANCHOR RODS AND OTHEI D LENGTH OF THE ANCHOR ROI S APPROPRIATE, TO VERIFY CO IT DETAILS AT EACH CONNECTION NOT), MAY BE WAIVED WHEN TH NDT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | ECTION FUNCTION BETWEEN EAPPROVAL OF THE ENGINE IN HOWN ON THE SHOP DRAWING THE DETAILS SHOWN ON THE EMBEDMENTS SUPPORTING OR EMBEDDED ITEM, AND THE DETAILS ON. IE WORK IS PERFORMED IN AN AN APPROVED FABRICATOR | THE QCI AND QAI SO THAT THE INSPECTION FUNCTIONS AR OF RECORD AND THE AUTHORITY HAVING JURISDICTION GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT IT E ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, GSTRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRE SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SSHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| *WIND SPEED WITHIN LIMITS PRECIPITATION AND TEMPERATURE PRECIPITATION THE RESPONSE AND THE RESPONSE | OR'S QCI SHALL INSPECT THE FABRICATED STEEL TO VERIFY COME THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME ITIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | MPLIANCE WITH THE DETAILS SHE TO VERIFY COMPLIANCE WITH INNECTION. TOF ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS S APPROPRIATE, TO VERIFY CONTECTION OF THE CONNECTION OF THE MOTHER THE NOT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | HOWN ON THE SHOP DRAWIN I THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTIN DOREMBEDDED ITEM, AND MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN A I AN APPROVED FABRICATOR | GS, SUCH AS PROPER APPLICATION OF JOINT DETAILS AT IEEE ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| WELDER OR WELDING OPERATOR. A SAMPLING OF AT LEAST 20 COMPLETED WELDS FOR A JOB SHALL BE MADE PRIOR TO MPLEMENTING SUCH AN INCREASE. WHEN THE REJECT RATE FOR THE WELDER OR WELDING EQUIPMENT SETTINGS ON WELDING EQUIPMENT SELECTED WELDING AND TEMPERATOR. AFTER A SAMPLING OF AT LEAST 40 COMPLETED WELDS, HAS FALLEN TO 5% OR LESS, THE RATE OF CONTINUOUS WELDS OVER 3 FT (MIN) IN LENOTH HE REJECT RATE OF CONTINUOUS WELDS OVER 3 FT (MIN) IN LENOTH HE LED CAND OF CONTINUOUS WELDS OVER 3 FT (MIN) IN LENOTH HE REJECT RATE OF CONTINUOUS WELDS OVER 3 FT (MIN) IN LENOTH HE REJECT RATE OF CONTINUOUS WELDS OVER 3 FT (MIN) IN LENOTH HE REJECT RATE OF CONTINUOUS WELDS OVER 3 FT (MIN) IN LENOTH HE REJECT RATE OF | THE ERECTOR'S QCI SHALL INSPECT THE ERECTED STEEL FRAME TIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON. BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | E TO VERIFY COMPLIANCE WITH INNECTION. T OF ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR ROLL S APPROPRIATE, TO VERIFY COUNTY IN THE ANCHOR ROLL T DETAILS AT EACH CONNECTION TO THE ANCHOR THE NOT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | THE DETAILS SHOWN ON THE REMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE DETAILS ON. SEE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AN AN APPROVED FABRICATOR | E ERECTION DRAWINGS, SUCH AS BRACES, STIFFENERS, S STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRE SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| MEMBER SOLLOWED SETURGS ON WELDING EQUIPMENT SETTINGS ON WELDING EQUIPMENT SELECTED WELDING RATER AS AMPHINS OF AFT (1M) IN LENGTH WELDE REFECT NATE OF CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WELDE REFECT NATE OF CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WELDE REFECT NATE OF CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WELDE REFECT NATE OF CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WERE THE EFFECTIVE HEROAT IS OIL (25mm) OR LESS, EACH 12 CONSIDERED AS ONE WELD. FOR EVALUATING THE REJECT NATE ON CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WHERE THE EFFECTIVE HEROAT IS OR REJECT NO THE RESIDENT NATE ON CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WHERE THE EFFECTIVE HEROAT IS OR REJECT NO THE RESIDE THE ADDRESS AND THE STRUCTURE, PIECE WHEN A WELD IS REJECTED ON THE ASS OF NOTI. THE DEST. THE OWNER, THE NOT REPORT SHALL IDENTIFY THE TESTED WELD BY DICK THE NATE OF REJECT NOTING THE ASS OF NOTI. THE NOTI REPORT SHALL IDENTIFY THE TESTED WELD BY DICK TON THE NOTING THE ASS OF NOTI. THE NOTIFY HERE STRUCTURE, PIECE WHEN A WELD IS REJECTED ON THE BASIS OF NOTI. THE NOTIFY HERE STRUCTURE, PIECE WHEN A WELD IS REJECTED ON THE BASIS OF NOTI. THE NOTIFY HERE STRUCTURE, PIECE WHEN A WELD IS REJECTED ON THE BASIS OF NOTI. THE NOTIFY HERE STRUCTURE, PIECE WHEN A WELD IS REJECTED ON THE BASIS OF NOTI. THE NOTIFY HERE STRUCTURE, PIECE WHEN A WELD IS REJECTED ON THE BASIS OF NOTI. THE NOTIFY HERE STRUCTURE, PIECE WHEN A WELD IS REJECTED ON THE BASIS OF NOTI. THE NOTIFY HERE STRUCTURE, PIECE WHEN A WELD IS REJECTED ON THE BASIS OF NOTI. THE NOTIFY HERE STRUCTURE, PIECE WHEN A WELD IS REJECTED ON THE BASIS OF NOTIFY HE STRUCTURE, PIECE WHEN A WELD IS REJECTED ON THE BASIS OF NOTIFY HE STRUCTURE, PIECE WHEN A WELD IS REJECTED ON THE BASIS OF NOTIFY HE STRUCTURE, PIECE WHEN A WELD IS REJECTED ON THE BASIS OF NOTIFY HE STRUCTURE, PIECE WHEN A WELD IS REJECTED ON THE BASIS OF NOTIFY HE STRUCTURE. PIECE WHEN A WELD STRUCTURE, PIECE WHEN A WELD IS REJECTED ON THE BASIS OF NOTIFY HE STRUCTURE. PIECE WHEN A WELD STRUCTURE PIECE WHEN A WELD | TIONS AND PROPER APPLICATION OF JOINT DETAILS AT EACH CON. BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | NNECTION. T OF ANCHOR RODS AND OTHEI D LENGTH OF THE ANCHOR ROI S APPROPRIATE, TO VERIFY CO IT DETAILS AT EACH CONNECTION NOT), MAY BE WAIVED WHEN THE NDT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | R EMBEDMENTS SUPPORTIND OR EMBEDDED ITEM, AND THE MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN AN AND THE WORK IS PERFORMED IN AN AN APPROVED FABRICATOR | S STRUCTURAL STEEL FOR COMPLIANCE WITH THE HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRESHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| THE WELDER OR WELDING OPERATOR, AFTER A SAMPLING OF AT LEAST 40 COMPLETED WELDS, HAS FALLEN TO 5 NO R LESS. THE CAST 40 COMPLETED WELDS, HAS FALLEN TO 5 NO R LESS. THE CAST 40 COMPLETED WELDS AND THE PROVISION FOR EVALUATING THE RATE OF UT SHALL BE RETURNED TO 10%. FOR EVALUATING THE REJECT RATE OF CONTINUOUS WELDS OVER 3 RT (1M) IN LENGTH WHERE THE REFECTIVE THROAT IS 1 IN. (25mm) OR LESS, EACH 12 IN. (300mm) INCREMENT OF FRACTION THEREOF SHALL BE CONSIDERED AS ONE WELD. FOR EVALUATING THE REJECT RATE ON CONTINUOUS WELDS OVER 3 RT (1M) IN LENGTH WHERE THE EFFECTIVE THROAT IS 1 IN. (25mm) CACHE IN. (300mm) OF LENGTH 10 REPORT SHALL BE CONSIDERED AS ONE WELD. FOR EVALUATING THE REJECT RATE ON CONTINUOUS WELDS OVER 3 RT (1M) IN LENGTH WHERE THE EFFECTIVE THROAT IS GREATER THAN 1 IN. (25mm), EACH 6 IN. (150mm) OF LENGTH 10 REPORT SHALL BE CONSIDERED ON WELD. ON SOME RED. ON SOME RED. ON SOME RED. ON WELD. ALL NOT PERFORMED SHALL BE CONSIDERED ON WELD. SHALL BE CONSIDERED SHALL BE C | BE ON THE PREMISES FOR INSPECTION DURING THE PLACEMENT N DOCUMENTS. AS A MINIMUM, THE DIAMETER, GRADE, TYPE AND IFIED PRIOR TO PLACEMENT OF THE CONCRETE. INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | T OF ANCHOR RODS AND OTHEID LENGTH OF THE ANCHOR RODS S APPROPRIATE, TO VERIFY COUNTED INTO THE WAY BE WAIVED WHEN THE NOT OF WELDS COMPLETED INTO THE FA | D OR EMBEDDED ITEM, AND T MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN A I AN APPROVED FABRICATOR | HE EXTENT OR DEPTH OF EMBEDMENT INTO THE CONCRE SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| RATE OF UT SHALL BE RETURNED TO 10%. FOR EVALUATING THE REJECT RATE OF CONTINUOUS WELDS OVER \$17 (M) IN LEINGTH WHERE THE EFFECTIVE THROAT IS 1 IN (25mm) OR LESS, EACH 12 IN (30mm) INCREMENT OR FRACTION THEREOF SHALL BE CONSIDERED AS ONE WELD. FOR EVALUATING THE REJECT RATE ON CONTINUOUS WELDS OVER \$17 (MI) IN LEINGTH WHERE THE EFFECTIVE THROAT IS GEATER THAN 1 IN (25mm) ACH 6 IN. (150mm) of LENGTH WHERE THE EFFECTIVE THROAT IS GEATER THAN 1 IN. (25mm) ACH 6 IN. (150mm) of LENGTH WHERE THE EFFECTIVE THROAT IS GREATER THAN 1 IN. (25mm) ACH 6 IN. (150mm) of LENGTH HERE THE EFFECTIVE THROAT IS GREATER THAN 1 IN. (25mm) ACH 6 IN. (150mm) of LENGTH HERE THE EFFECTIVE THROAT IS GREATER THAN 1 IN. (25mm) ACH 6 IN. (150mm) of LENGTH HERE THE EFFECTIVE THROAT IS GREATER THAN 1 IN. (25mm) ACH 6 IN. (150mm) of LENGTH HERE THE EFFECTIVE THROAT IS GREATER THAN 1 IN. (25mm) ACH 6 IN. (150mm) of LENGTH HERE THE EFFECTIVE THROAT IS GREATER THAN 1 IN. (25mm) ACH 6 IN. (150mm) of LENGTH HERE THE EFFECTIVE THROAT IS GREATER THAN 1 IN. (25mm) ACH 6 IN. (150mm) of LENGTH HERE THE ACH 6 IN | IFIED PRIOR TO PLACEMENT OF THE CONCRETE. . INSPECT THE FABRICATED STEEL OR ERECTED STEEL FRAME, AS ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | S APPROPRIATE, TO VERIFY CO IT DETAILS AT EACH CONNECTION NDT), MAY BE WAIVED WHEN TH NDT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | MPLIANCE WITH THE DETAILS ON. IE WORK IS PERFORMED IN A I AN APPROVED FABRICATOR | SHOWN ON THE CONSTRUCTION DOCUMENTS, SUCH AS FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| *SELECTED WELDING MATERIALS * SHIELDING GAS TYPE / FLOW RATE * PREHEAT APPLIED * INTERPASS TEMPERATURE MAINTAINED (MIN. / MAX) * PROPER POSITION (F, V, H, OH) * ELDING TECHNIQUES * INTERPASS AND FINAL CLEANING * EACH PASS WITHIN PROFILE LIMITATIONS * EACH PASS MEETS QUALITY REQUIREMENTS ACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS * ELECTED WELD BY PIECE MARK, AND LOCATION IN THE PIECE FOR FIELD WORK, THE NOT REPORT SHALL IDENTIFY THE TESTED WELD BY DICCATION IN THE STRUCTURE, PIECE MARK, AND LOCATION IN THE PIECE FOR FIELD WORK, THE NOT RECORD SHALL IDENTIFY THE TESTED WELD BY DICCATION THE REST THE DEFECT AND THE | ENERS, MEMBER LOCATIONS AND PROPER APPLICATION OF JOINT RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | IT DETAILS AT EACH CONNECTION NDT), MAY BE WAIVED WHEN TH NDT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | ON. IE WORK IS PERFORMED IN A I AN APPROVED FABRICATOR | FABRICATING SHOP OR BY AN ERECTOR APPROVED BY THE SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| * SHIELDING GAS TYPE / FLOW RATE PREHEAT APPLIED * INITERPASS TEMPERATURE MAINTAINED (MIN. / MAX) * SHIELDING GAS TYPE / FLOW RATE PREHEAT APPLIED * INTERPASS TEMPERATURE MAINTAINED (MIN. / MAX) * PROPER POSITION (F. V. H. OH) * INTERPASS AND FINAL CLEANING * PROPER POSITION (F. V. H. OH) * INTERPASS AND FINAL CLEANING * EACH PASS WITHIN PROFILE LIMITATIONS * EACH PASS METS QUALITY REQUIREMENTS ACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS * CONSIDER OF NOR FLOCATION IN THE PROVISION FOUND IN ASISS OF REJECTION * EACH PASS METS QUALITY REQUIREMENTS ACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS * ELDS CLEANED * CONTINUOUS PERIODIC * CONTINUOUS PERIODIC * ALL NDT PERFORMED SHALL BE DOCUMENTED. FOR SHOP FABRICATION IN THE PIECE. FOR FIELD WELD BY PIECE MARK AND LOCATION IN THE TESTED WELD BY COATION IN THE STRUCTURE, PIECE MARK AND LOCATION IN THE WORK WORK, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY NONCONE * EACH PASS WITHIN PROFILE LIMITATIONS * EACH PASS METS QUALITY REQUIREMENTS * CONTINUOUS PERIODIC * WHELD A SEPECTION TASKS AFTER WELDING (TABLE N5.4-3) * CONTINUOUS PERIODIC * ONTINUOUS PERIODIC * | RANCE (QA) INSPECTIONS, EXCEPT NONDESTRUCTIVE TESTING (NI | NDT), MAY BE WAIVED WHEN TH NDT OF WELDS COMPLETED IN AGENCY SHALL REVIEW THE FA | IE WORK IS PERFORMED IN A I AN APPROVED FABRICATOR | S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN |
| *PREHEAT APPLIED *INTERPASS TEMPERATURE MAINTAINED (MIN. / MAX) *PROPER POSITION (F, V, H, OH) *INTERPASS AND FINAL CLEANING *EACH PASS WITHIN PROFILE LIMITATIONS *EACH PASS METER UDUIREMENTS *CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WHERE THE EFFECTIVE THAOA I IS, (25mm), EACH 6 IN. (150mm) OF LENGTH OR PRACTION THEREOF SHALL BE COUNTY THAT THE CONSIDERED ON WELD. *INTERPASS AND FINAL CLEANING *EACH PASS WITHIN PROFILE LIMITATIONS *EACH PASS METER UDUIREMENTS *CONTINUOUS WELDS OVER 3 FT (1M) IN LENGTH WHERE THE EFFECTIVE THAOA I IS, (25mm), EACH 6 IN. (150mm) of LENGTH OR PRACTION THEREOF SHALL BE DOCUMENTED. FOR SHOP FABRICATION, THE NDT REPORT SHALL IDENTIFY THE TESTED WELD BY LOCATION IN THE PIECE MARK, AND LOCATION IN THE PIECE MARK, AND LOCATION IN THE PIECE. WHEN A WELD IS REJECTED ON THE BASIS OF NOTI, THE NOTI RECORD SHALL INDICATE THE LOCATION OF THE DEFECT AND THE BASIS OF REJECTION **SPECTION TASKS AFTER WELDING (TABLE N5.4-3) **CONTINUOUS PERIODIC** **CON | | AGENCY SHALL REVIEW THE FA | | |
| *INTERPASS TEMPERATURE MAINTAINED (MIN. / MAX) *PROPER POSITION (F, V, H, OH) *INTERPASS TEMPERATURE MAINTAINED (MIN. / MAX) *PROPER POSITION (F, V, H, OH) *INTERPASS AND FINAL CLEANING *INTERPASS AND FINAL CLEANING *INTERPASS AND FINAL CLEANING *EACH PASS WITHIN PROFILE LIMITATIONS *EACH PASS MEETS QUALITY REQUIREMENTS **CONTINUOUS PERIODIC **SPECTION TASKS AFTER WELDING (TABLE N5.4-3) **CONTINUOUS PERIODIC **CONTINUOUS | THE AHJ. WHEN THE FABRICATOR PERFORMS THE NDT, THE QA A | A OFBE:::::::::::::::::::::::::::::::::::: | | |
| *PROPER POSITION (F, V, H, OH) *PROPER POSITION (F, V, H, OH) *INTERPASS AND FINAL CLEANING *EACH PASS WITHIN PROFILE LIMITATIONS *EACH PASS MEETS QUALITY REQUIREMENTS *ACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS *SPECTION TASKS AFTER WELDING (TABLE N5.4-3) *ELDS CLEANED *ELDS CLEANED *CONTINUOUS PERIODIC *ELDS CLEANED *CRACK PROHIBITION *CRACK PROHIBITION *CRACK PROHIBITION *CRACK PROHIBITION *WEILD MALL INDICATE THE LOCATION FOR SHOP FABRICATION FOR THE DETSET WELL DBY LOCATION IN THE PIECE. FOR FIELD WORK, THE NOT REPORT SHALL IDENTIFY THE TESTED WELD BY LOCATION IN THE STRUCTURE, PIECE MARK, AND LOCATION IN THE PIECE. FOR FIELD WORK, THE NOT REPORT SHALL IDENTIFY THE TESTED WELD BY LOCATION IN THE STRUCTURE, PIECE MARK, AND LOCATION IN THE BASIS OF NDT. THE NOT REPORT SHALL IDENTIFY THE TESTED WELD BY LOCATION IN THE STRUCTURE, PIECE MARK, AND LOCATION IN THE PIECE. FOR FIELD WORK, THE NOT REPORT SHALL IDENTIFY THE TESTED WELD BY LOCATION IN THE STRUCTURE, PIECE MARK, AND LOCATION IN THE PIECE. FOR FIELD BY LOCATION IN THE STRUCTURE, PIECE MARK, AND LOCATION IN THE PIECE. FOR FIELD BY LOCATION IN THE STRUCTURE, PIECE MARK, AND LOCATION IN THE PIECE. FOR FIELD BY LOCATION IN THE STRUCTURE, PIECE MARK, AND LOCATION IN THE PIECE. FOR FIELD BY LOCATION IN THE PIECE. FOR FIELD BY LOCATION IN THE STRUCTURE, PIECE FOR FIELD BY LOCATION IN THE STRUCTURE, PIECE FOR FIELD BY LOCATION IN THE PIECE. FOR FIELD BY LOCATION IN THE P | IN OF FABRICATION, THE APPROVED FABRICATOR SHALL SUBMIT A RE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. AT (| | | |
| ELDING TECHNIQUES *INTERPASS AND FINAL CLEANING *INTERPASS AND FINAL CLEANING *INTERPASS AND FINAL CLEANING *EACH PASS WITHIN PROFILE LIMITATIONS *EACH PASS MEETS QUALITY REQUIREMENTS *ACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS *SPECTION TASKS AFTER WELDING (TABLE N5.4-3) *EDITION TO THE NOTE OF THE LOCATION OF THE DEFECT AND THE BASIS OF REJECTION DEMAND CRITICAL WELDS SHALL MEET THE PROVISION FOUND IN A LIGHT AND INSTALLATION OF WELDS *ELDS CLEANED **CRACK PROHIBITION **CRACK PROHIBITION **WEILD / BASS-METAL FUISION | ERIALS SUPPLIED AND WORK PERFORMED BY THE ERECTOR ARE | IN ACCORDANCE WITH THE CC | INSTRUCTION DOCUMENTS. | |
| *INTERPASS AND FINAL CLEANING *EACH PASS WITHIN PROFILE LIMITATIONS *EACH PASS MEETS QUALITY REQUIREMENTS *ACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS *EPECTION TASKS AFTER WELDING (TABLE N5.4-3) *ELDS CLEANED *ELDS CLEANED *ELDS MEET VISUAL ACCEPTANCE CRITERIA *CRACK PROHIBITION *CRACK PROHIBITION *CRACK PROHIBITION *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 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: a. ARC STRIKES, GOUGES AND OTHER IMPERFECTIONS WITHIN OR ADJACENT TO THE JOINT, SHALL BE REPAIRED OR REMOVED. b. PREHEAT AND INTER-PASS REQUIREMENTS AS OUTLINED IN SECTION 3.5. c. UNREPAIRED CRACKS, GOUGES, AND NOTCHES WILL NOT BE *WELD LIBRAGE THE JOINT AREA. | N AND REJECTION OF MATERIAL OR WORKMANSHIP THAT IS NOT II DWEVER, THIS PROVISION SHALL NOT RELIEVE THE OWNER OR TH | | | |
| * EACH PASS WITHIN PROFILE LIMITATIONS * EACH PASS WITHIN PROFILE LIMITATIONS * EACH PASS MEETS QUALITY REQUIREMENTS * CONTINUOUS PERIODIC * EACH PASS MEETS QUALITY REQUIREMENTS * CONTINUOUS PERIODIC * EACH PASS MEETS QUALITY REQUIREMENTS * CONTINUOUS PERIODIC * CONTINUOUS PERIODIC * ELDS CLEANED * CONTINUOUS PERIODIC * CONTROL SHALL COMPLY WITH AWS D1.1 AND THE FOLLOWING: a. ARC STRIKES, GOUGES AND OTHER IMPERFECTIONS WITHIN OR ADJACENT TO THE JOINT, SHALL BE REPAIRED OR REMOVED. b. PREHEAT AND INTER-PASS REQUIREMENTS AS OUTLINED IN SECTION 3.5. c. UNREPAIRED CRACKS, GOUGES, AND NOTCHES WILL NOT BE PERMITTED IN THE JOINT AREA. | P SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE FABR | BRICATOR OR ERECTOR, AS APP | PLICABLE | |
| * EACH PASS MEETS QUALITY REQUIREMENTS ACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS BPECTION TASKS AFTER WELDING (TABLE N5.4-3) CONTINUOUS PERIODIC ELDS CLEANED ELDS MEET VISUAL ACCEPTANCE CRITERIA * CRACK PROHIBITION * CRACK PROHIBITION * WELD / BASSE-METAL FLISION (1) NONCC (2) REPOR (1) NONCC (2) REPOR (1) NONCC (2) REPOR (1) NONCC (2) REPOR (2) REPOR (3) NONCC (2) REPOR (4) NDT RECORD SHALL INDICATE THE LOCATION OF THE DEFECT AND 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: a. ARC STRIKES, GOUGES AND OTHER IMPERFECTIONS WITHIN OR ADJACENT TO THE JOINT, SHALL BE REPAIRED OR REMOVED. b. PREHEAT AND INTER-PASS REQUIREMENTS AS OUTLINED IN SECTION 3.5: c. UNREPAIRED CRACKS, GOUGES, AND NOTCHES WILL NOT BE PERMITTED IN THE JOINT AREA. | IING MATERIAL OR WORKMANSHIP SHALL BE BROUGHT INTO CONF WITH THE SUBMITTAL OF SUCH REPORTS TO THE AHJ, EOR OR ON | | | |
| THE BASIS OF REJECTION SPECTION TASKS AFTER WELDING (TABLE N5.4-3) CONTINUOUS PERIODIC AISC 341-16 AND WELDING METHODS, PROCEDURES AND QUALITY CONTROL SHALL COMPLY WITH AWS D1.1 AND THE FOLLOWING: a. ARC STRIKES, GOUGES AND OTHER IMPERFECTIONS WITHIN OR ADJACENT TO THE JOINT, SHALL BE REPAIRED OR REMOVED. b. PREHEAT AND INTER-PASS REQUIREMENTS AS OUTLINED IN SECTION 3.5. c. UNREPAIRED CRACKS, GOUGES, AND NOTCHES WILL NOT BE PERMITTED IN THE JOINT AREA. | RMANCE REPORTS | | · · · · · · · · · · · · · · · · · · · | ···· |
| SPECTION TASKS AFTER WELDING (TABLE N5.4-3) CONTINUOUS PERIODIC CONTINUOUS PERIODIC CONTINUOUS PERIODIC CONTINUOUS PERIODIC AISC 341-16 AND WELDING METHODS, PROCEDURES AND QUALITY CONTROL SHALL COMPLY WITH AWS D1.1 AND THE FOLLOWING: a. ARC STRIKES, GOUGES AND OTHER IMPERFECTIONS WITHIN OR ADJACENT TO THE JOINT, SHALL BE REPAIRED OR REMOVED. CELDS MEET VISUAL ACCEPTANCE CRITERIA **CRACK PROHIBITION **WELD / BASE-METAL FUSION TABLE OF THE PROVISION FOUND IN AISC 341-16 AND WELDIS SHALL MEET TH | F REPAIR, REPLACEMENT OR ACCEPTANCE OF NONCONFORMING | JII EIVIO. | | |
| CONTROL SHALL COMPLY WITH AWS D1.1 AND THE FOLLOWING: a. ARC STRIKES, GOUGES AND OTHER IMPERFECTIONS WITHIN OR ADJACENT TO THE JOINT, SHALL BE REPAIRED OR REMOVED. CLUS MEET VISUAL ACCEPTANCE CRITERIA * CRACK PROHIBITION * CRACK PROHIBITION * WELD / BASE-METAL FUSION CONTROL SHALL COMPLY WITH AWS D1.1 AND THE FOLLOWING: a. ARC STRIKES, GOUGES AND OTHER IMPERFECTIONS WITHIN OR ADJACENT TO THE JOINT, SHALL BE REPAIRED OR REMOVED. b. PREHEAT AND INTER-PASS REQUIREMENTS AS OUTLINED IN SECTION 3.5. C. UNREPAIRED CRACKS, GOUGES, AND NOTCHES WILL NOT BE PERMITTED IN THE JOINT AREA. | | | | |
| OR ADJACENT TO THE JOINT, SHALL BE REPAIRED OR REMOVED. ELDS MEET VISUAL ACCEPTANCE CRITERIA * CRACK PROHIBITION * WELD / BASE-METAL FUSION OR ADJACENT TO THE JOINT, SHALL BE REPAIRED OR REMOVED. D. PREHEAT AND INTER-PASS REQUIREMENTS AS OUTLINED IN SECTION 3.5. C. UNREPAIRED CRACKS, GOUGES, AND NOTCHES WILL NOT BE PERMITTED IN THE JOINT AREA. | | | | |
| ELDS MEET VISUAL ACCEPTANCE CRITERIA * CRACK PROHIBITION * WELD / BASE-METAL FUSION * WELD / BASE-METAL FUSION * REMOVED. * PREHEAT AND INTER-PASS REQUIREMENTS AS OUTLINED IN SECTION 3.5. * UNREPAIRED CRACKS, GOUGES, AND NOTCHES WILL NOT BE PERMITTED IN THE JOINT AREA. | | en e | | |
| * CRACK PROHIBITION * WELD / BASE-METAL FUSION SECTION 3.5. C. UNREPAIRED CRACKS, GOUGES, AND NOTCHES WILL NOT BE PERMITTED IN THE JOINT AREA. | | en e | | and the second of the second o |
| * WELD / BASE-METAL FUSION PERMITTED IN THE JOINT AREA. | | garanan Garanan | | |
| | | | | |
| d. USE ELECTRODES WITH CHARPY V-NOTCH ABSORBED * CRATER CROSS SECTION * CRATER CROSS SECTION * CRATER CROSS SECTION | | Maria. | | |
| * CRATER CROSS SECTION * WELD PROFILES ENERGY EQUAL TO OR GREATER THAN 20 FT-LBS AT 20 DEGREES FAHRENHEIT UNDER AWS A5 CLASSIFICATION TEST | | | | |
| WELD PROFILES METHODS, AND 40 FT-LBS AT 70 DEGREES FAHRENHEIT USING | | | | |
| * WELD SIZE * UNDERCUT * WELD SIZE * UNDERCUT * UNDERCUT * TEST PROCEDURES PRESCRIBED IN APPENDIX X OF AISC 358. * ACCEPTABLE ELECTRODES INCLUDE E70TG-K2, E71 T-1. | | | | |
| * POROSITY | | | | |
| * POROSITY CC STRIKES | okatokan nga 1999 kana ang ang ang ang ang ang ang ang ang | | og et skilling et ^{skil} der i de skilder. De | |
| | | | telling therease. | |
| | | | | |
| ELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP AVY SHAPES ² | | | | |
| | | | | |
| CKING REMOVED AND WELD TABS REMOVED (IF REQUIRED) | | | | |
| PAIR ACTIVITIES OCCUMENT ACCEPTANCE OF REJECTION OF WELDED JOINT OF MEMBER | | | | Market Control of the |
| OCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER | and the commence of the commen | | | |
| PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE PROVAL OF THE EOR | | | | ton. |
| | | | | |
| VHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, SUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75mm) OF THE WELD) | | | | |
| FTER ROLLED HEAVY SHAPES (SEE SECTION A3.1c) AND BUILT-UP HEAVY SHAPES (SEE SECTION A3.1d) ARE WELDED, | | | | |
| SUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS. | | | | |

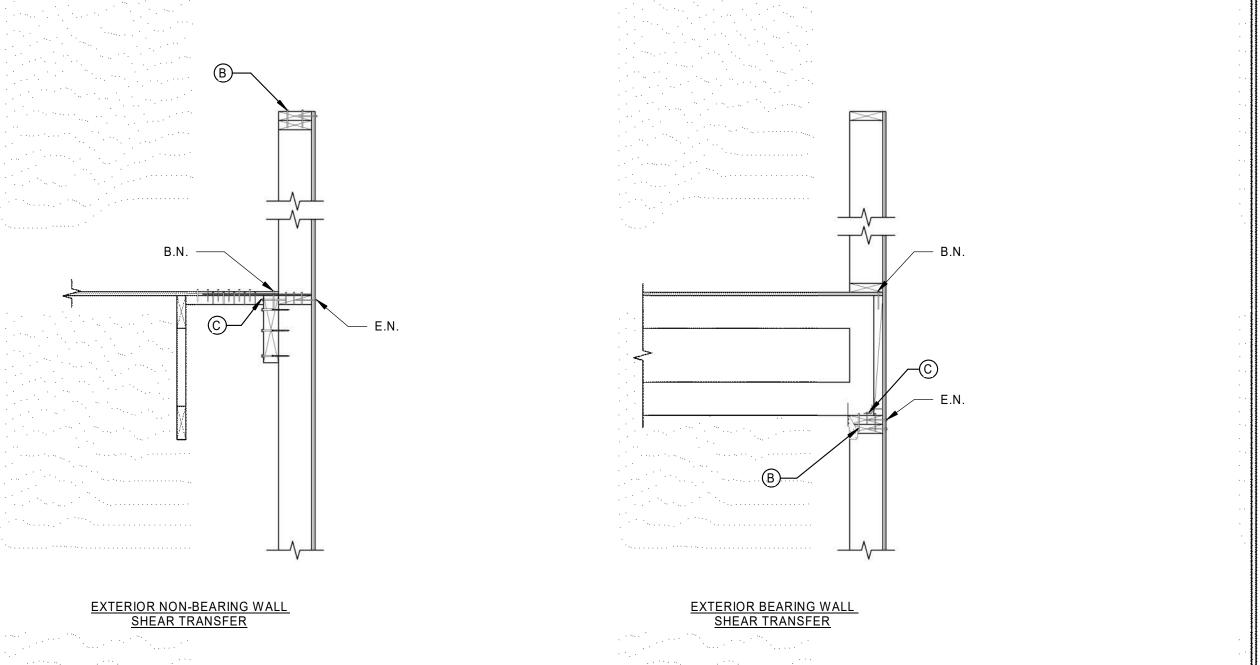
| | WOOD SHEAR WAI | | | | | | | | | | |
|-----------|----------------|--------------------------------------|--|---------|-----------------------------|-------------------------------------|----------------------------------|-------------------|----------------|-----------------|----------|
| | | (NOTE 8) | EDGE | NOMINAL | (NOTE 5) | | ONNECTION NAILING | G | (NOTE 7 | ') TYP. LATE | |
| WALL MARK | LEVEL | PLYWOOD SHEATHING (CDX U.N.O.) | NAILING (E.N.) (SEE NOTES 2 & 3) | POTTOM | NOM. STUD SIZE (MIN.) | NAILING TOP PL. TOGETHER B | BLKG. TO TOP PL. © | TOP PL. SPLICE | ANCHOR DIA. | BOLTS SPA. | COMMENTS |
| SW-1 | 1ST TO ROOF | 7/16" | 6"o.c. | 2x | 2x | (40) 10d | A35 AT 24"o.c / 10d AT 6"o.c. | 10d @ 6"o.c. | 5/8" DIA. | 32"o.c. | |
| | | | | | | | | | | | |
| SW-2 | 1ST TO ROOF | 7/16" | 4"o.c. | 2x | 2x | (40) 10d | A35 AT 18"o.c / 10d AT 4"o.c. | 10d @ 6"o.c. | 5/8" DIA. | 32"o c | |
| J., _ | | | | | | | | | 5/0 DIA. | 02 0.0. | |
| SW-3 | 1ST TO ROOF | 7/16" | 3"o.c. | 2x | 2x | (40) 10d | A35 AT 12"o.c / 10d AT 3"o.c. | 10d @ 6"o.c. | 5/8" DIA. | 24"o c | |
| | | | | | | | | | | 21 0.0. | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

1. ALL SHEATHING PANEL EDGES TO BE BLOCKED. USE 3x BLOCKING WHERE 3x STUDS ARE REQUIRED.
2. ALL NAILS TO BE COMMON OR GALVANIZED BOX.

3. FIELD NAILING TO BE SAME NAILS @ 12"o.c.

3. FIELD NAILING TO BE SAME NAILS @ 12 0.0.
4. STAGGER E.N. AT DOUBLE TOP PLATES.
5. 3x NOMINAL FRAMING MEMBERS TO OCCUR AT ABUTTING PANEL EDGES. 2x NOMINAL FRAMING MEMBERS MAY BE USED AT INTERIOR OF PANEL, UNLESS NOTED OTHERWISE IN FLOOR FRAMING NOTES. (2) 2x NAILED TOGETHER W/ (2) 16d NAILS @ 16"o.c. OR 4x NOMINAL FRAMING MEMBERS OF THE SAME DEPTH AND LUMBER GRADE MAY BE USED IN LIEU OF 3x MEMBERS AT CONTRACTOR OPTION.
6. SHEATHING SHALL BE STAMPED W/ APA STAMP. O.S.B. OF EQUIVALENT THICKNESS, GRADE, AND RATING MAY BE USED IN LIEU OF PLYWOOD.
7. ALL SILL PLATE ANCHOR BOLTS TO HAVE MINIMUM 8" EMBEDMENT INTO CONCRETE AS PER DETAIL 8/S201. SEE DETAIL 5/S202 FOR HOLDOWN ANCHORAGE REQUIREMENTS.

8. SEE THIS SHEET FOR TYPICAL SHEAR TRANSFER DETAILS.
9. TOP PLATE SPLICE NAILING SHALL APPLY TO EACH SIDE OF THE SPLICE. THE LENGTH OF THE OVERLAP SHALL BE SUFFICIENT TO PREVENT SPLITTING (48" MIN.)



SEQUENCE 350 SOUTH 200 EAST, #106 SALT LAKE CITY, UTAH 84111 P: 801.596.0691

DESIGNUTAH.COM



SANTAQUIN SHOPS

ENTER ADDRESS HERE

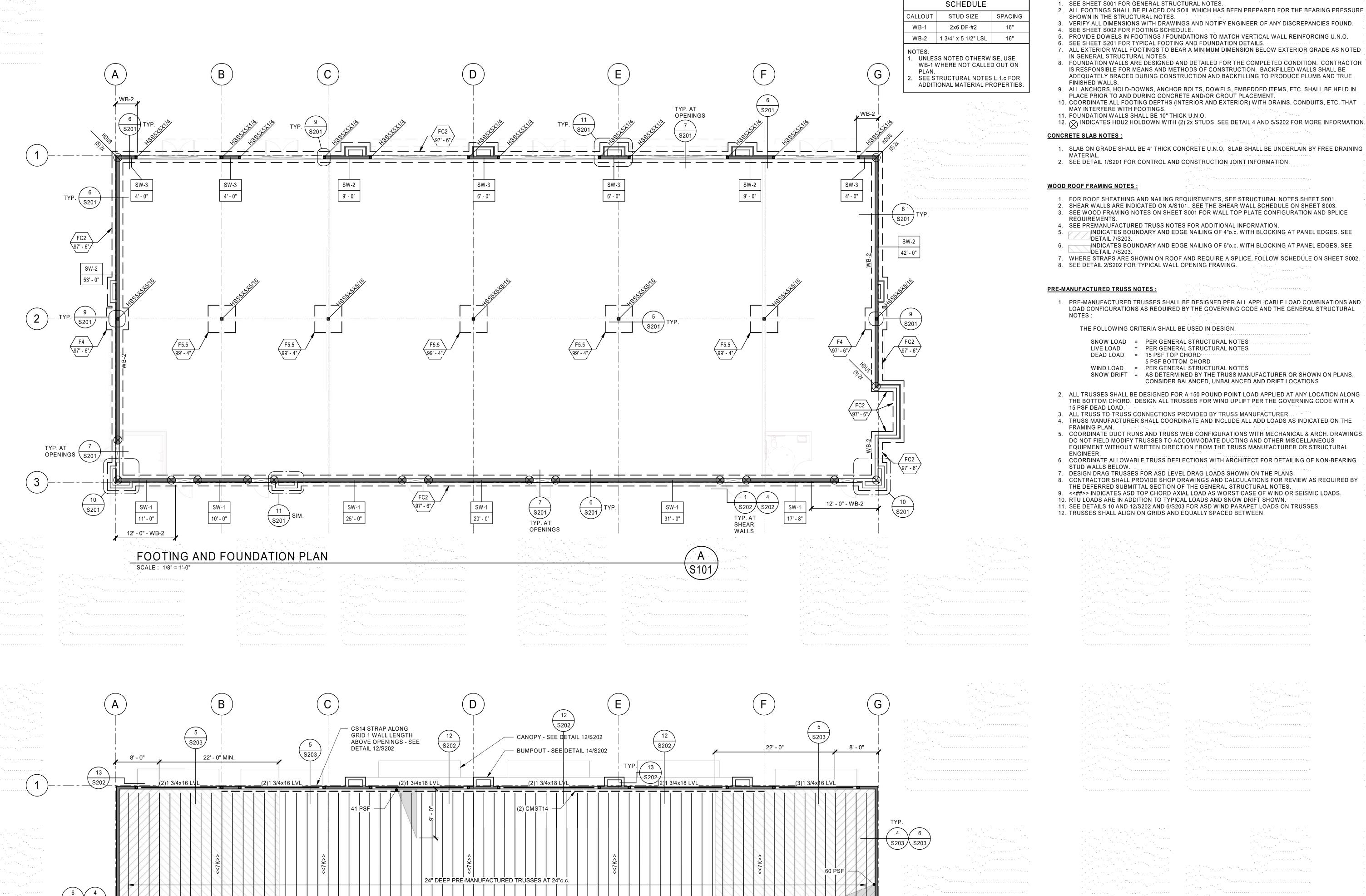
DESCRIPTION 20207 ARW PROJECT NO:

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

PROJECT PHASE:
NOT FOR CONSTRUCTION

SHEET TITLE

SCHEDULES



S101/

BUMPOUT - SEE DETAIL 14/S202

ROOF FRAMING PLAN

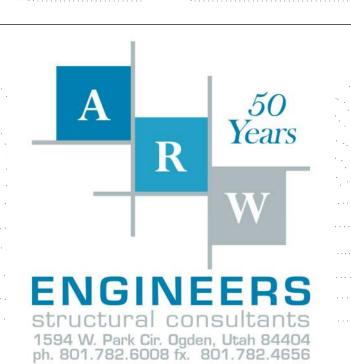
···SCALE: 1/8" = 1'-0"

FOOTING & FOUNDATION NOTES:

1. SEE SHEET S001 FOR GENERAL STRUCTURAL NOTES.

WOOD BEARING WALL

350 South 200 East, #106 SALT LAKE CITY, UTAH 8411 P: 801.596.0691 DESIGNUTAH.COM



ENTER ADDRESS HERE

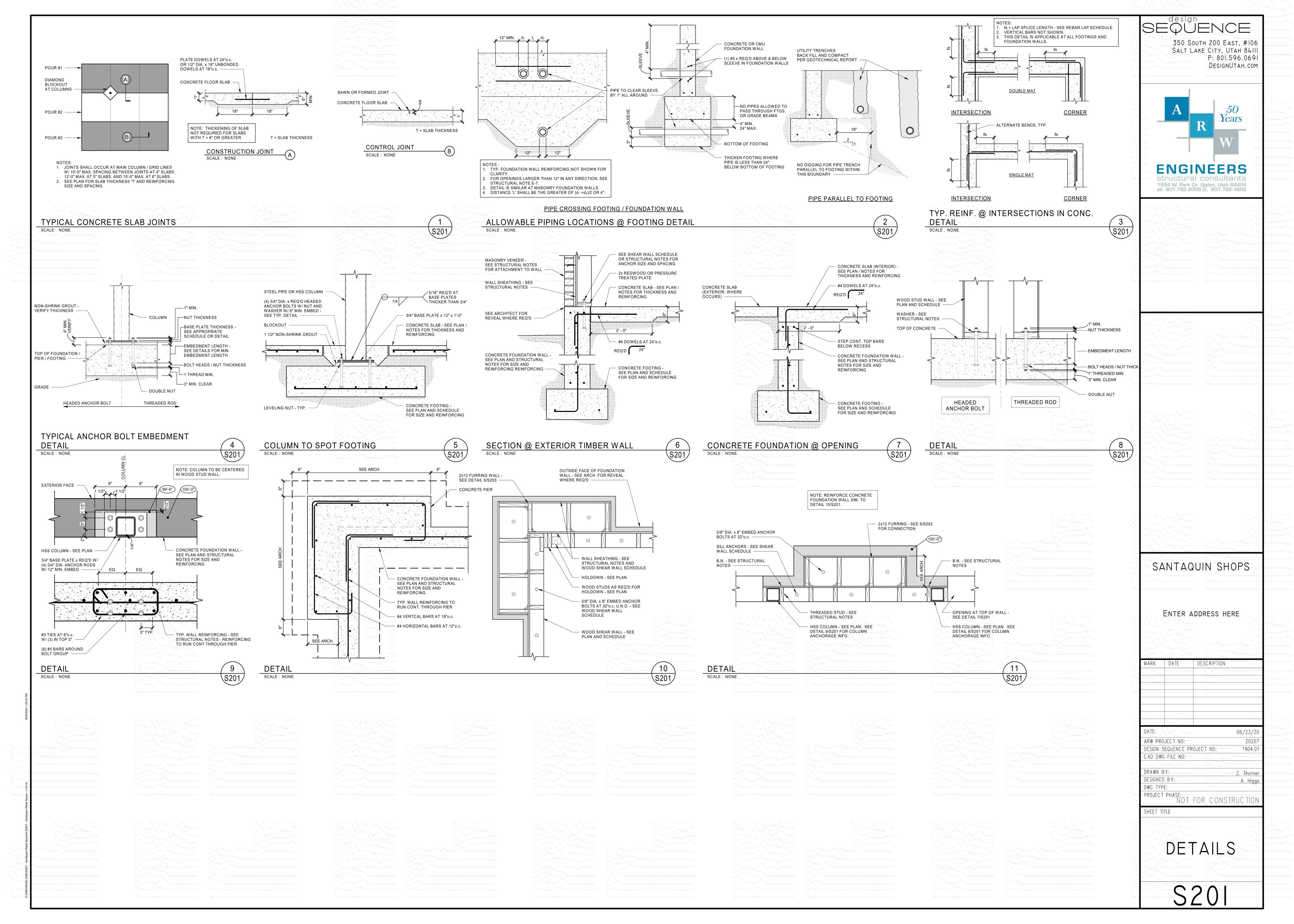
| | *************************************** |
|-------|---|
| | |
| | |
| | |
| | |
| DATE: | 06/23/20 |
| | 12112. |

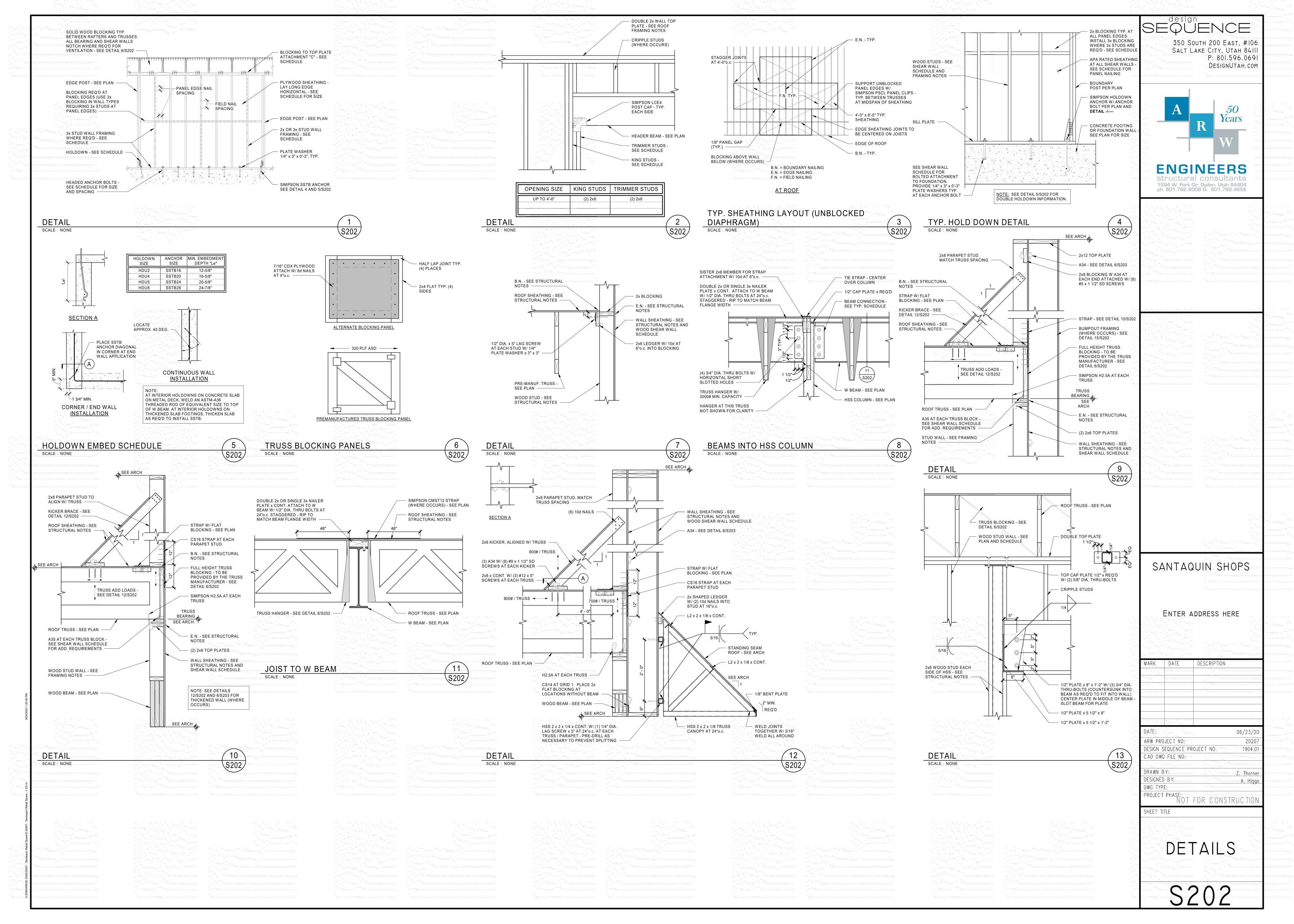
| 2020.7 |
|-----------------|
| ECT NO: 1904.01 |
| |
| |
| Z. Thorner |
| |

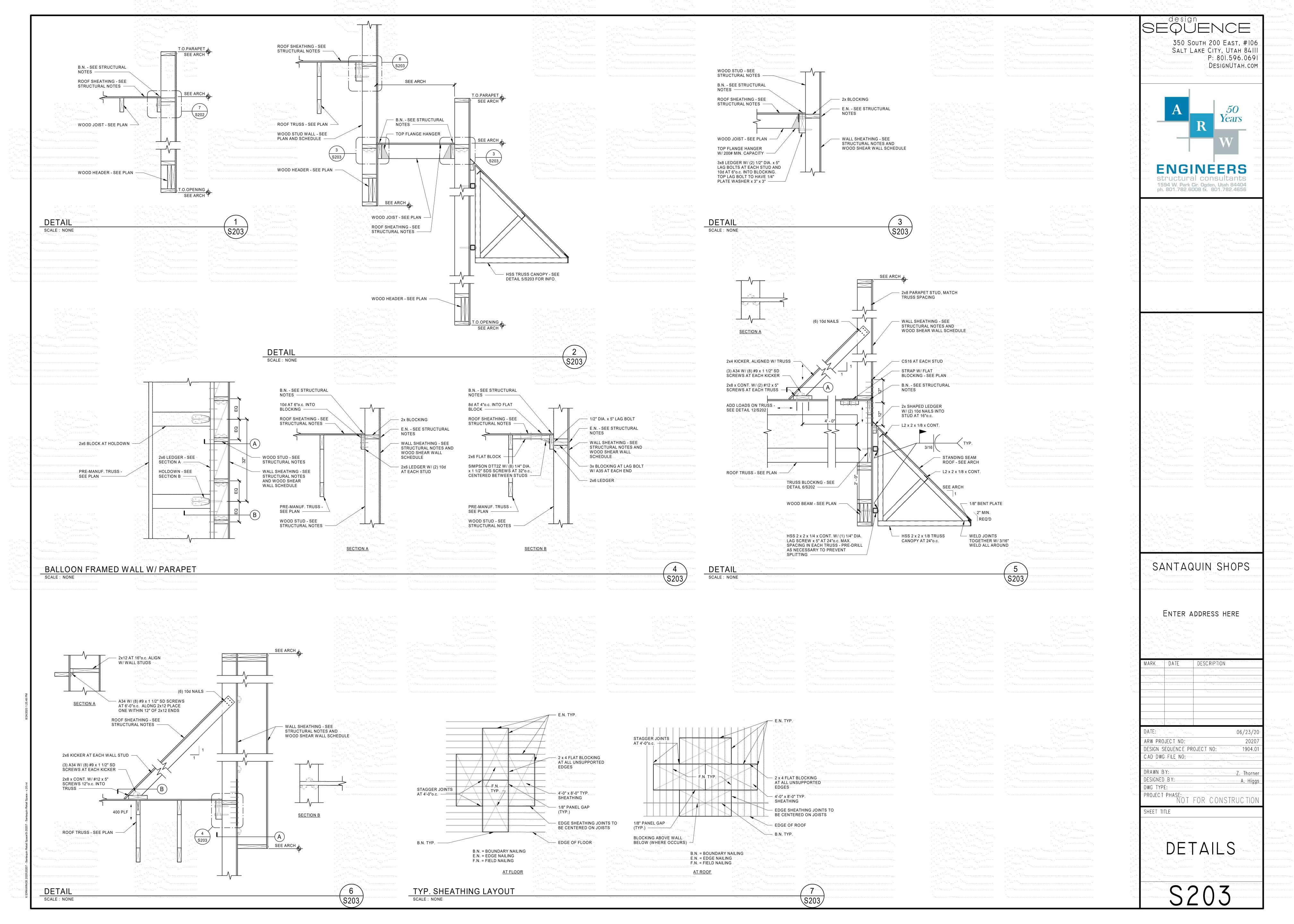
DESIGNED BY: PROJECT PHASE

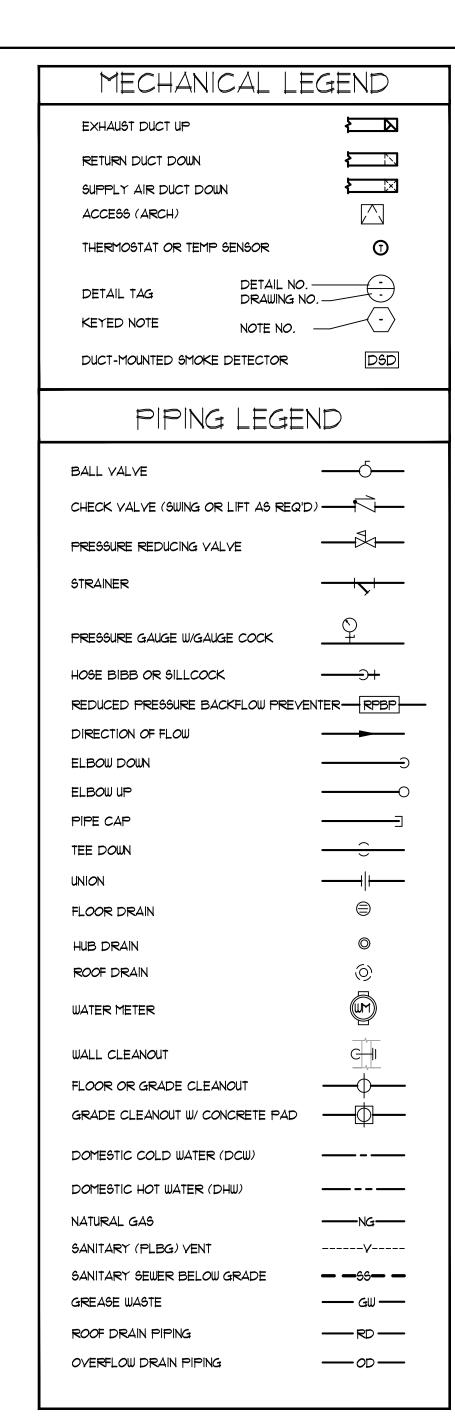
SHEET TITLE

STRUCTURAL PLANS









GENERAL NOTES: 1. ALL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH: 2018 INTL. BUILDING CODE 2018 INTL. FUEL GAS CODE

2018 INTL. MECHANICAL CODE DRAWING NO. 2018 INTL. ENERGY CODE 2018 INTL. PLUMBING CODES.

2. DUCTWORK SHALL BE INSULATED AS FOLLOWS: LINED OR WRAPPED R-VALUE RTU RECTANGULAR DUCTWORK: WRAPPED ROUND DUCTWORK: *ALL INSULATION TO MEET NFPA 90 PER UL 181-CLASS 1. NO DUCT BOARD ALLOWED.

3. ALL DUCTWORK SHALL BE CONSTRUCTED OF 2" W.C. SEAL CLASS "A".

4. ALL DUCTWORK IS TO BE INSTALLED AS HIGH AS POSSIBLE. ALL DUCTWORK MUST BE INSTALLED NO LOWER THAN 12" FROM WHERE IT IS BEING SUPPORTED OR SEISMIC BRACING WILL BE REQUIRED. IF DUCTWORK IS INSTALLED BELOW 12" FROM WHERE IT IS SUPPORTED, IT IS THE MECHANICAL CONTRACTOR'S RESPONSIBILITY TO HAVE SEISMIC SUPPORTS ENGINEERED FOR THE JOB BY A LICENSED ENGINEER.

5. CONTRACTORS SHALL PROVIDE SUBMITTALS ON ITEMS LISTED IN EQUIPMENT SCHEDULES TO THE ARCHITECT FOR REVIEW PRIOR TO THE ORDER, PURCHASE OR INSTALLATION.

6. EACH TRADE IS RESPONSIBLE FOR THEIR OWN FIRE CAULKING. SEE ARCH. PLANS.

7. M.C. TO SUBMIT TO ENGINEER ALL AS-BUILDS OF BUILDINGS MECHANICAL SYSTEMS WITHIN 90 DAYS OF SYSTEM ACCEPTANCE.

8. ALL MECHANICAL EQUIPMENT SHALL BE LISTED, LABELED, AND INSTALLED IN ACCORDANCE WITH THE

MANUFACTURER'S INSTALLATION INSTRUCTIONS PER IMC 301.7. 9. ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, OR SHEET METAL UNTIL THE FINAL STARTUP OF THE HEATING, COOLING, AND VENTILATION

EQUIPMENT. FACTORY START-UP OF RTU'S REQUIRED. 10. CONTRACTORS SHALL PROVIDE THE BUILDING OWNER OR REPRESENTATIVE WITH DETAILS OPERATING AND MAINTENANCE INSTRUCTIONS AND COPIES OF GUARANTIES / WARRANTIES FOR EACH NEW SYSTEM.

11. INCLUDE A COPY OF ALL INSPECTION VERIFICATIONS AND REPORTS REQUIRED BY THE AUTHORITY HAYING JURISDICTION. 12. THE PERMANENT HYAC SYSTEM SHALL ONLY BE USED DURING CONSTRUCTION IF NECESSARY TO CONDITION ADDITIONS OR AREAS OF ALTERATION WITHIN THE REQUIRED TEMPERATURE RANGE FOR

MATERIAL AND EQUIPMENT INSTALLATION. IF THE HYAC SYSTEM IS USED DURING CONSTRUCTION, USE MERY

ASHRAE 52.1 1999. 13. PIPE ROUTING AS SHOWN ON DRAWINGS IS DIAGRAMMATIC AND IS NOT TO BE SCALED. WHERE ALTERNATE ROUTING, OFFSETS AND TRANSITIONS ARE REQUIRED FOR COORDINATION OF WORK, THIS CONTRACTOR SHALL MAKE CHANGES WITHOUT ADDITIONAL COSTS.

8 RETURN AIR FILTERS BASES ON ASHRAE 52.2 1999, OR AN AVERAGE EFFICIENCY OF 30% BASED ON

14. ALL WATER FLOW, PRESSURE, AND TEMPERATURE RATES MUST BE BALANCED TO THE VALUES INDICATED ON THE FLOOR PLANS. PROVIDE A FINAL REPORT FOR THE TESTING AND ADJUSTING OF ALL NEW SYSTEMS SHALL BE COMPLETED PRIOR TO THE FINAL APPROVAL BY THE FIELD INSPECTOR. THIS REPORT SHALL BE SIGNED BY THE INDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES. T.A.B. CONTRACTOR BY OWNER.

15. INSULATE PIPING WITH FIBERGLASS PIPE COVERING WITH ALL SERVICE JACKET AND SELF-CAP SEAL. FITTINGS SHALL BE MITERED PIPING COVERING OF GLASS FIBER MOLDED FITTINGS FOR USE IN A RETURN AIR PLENUM. SEE PIPING INSULATION TABLE.

16. EACH TRADE IS RESPONSIBLE THEIR OWN FIRE CAULKING.

17. ALL INVERT ELEVATIONS SHOWN ON PLANS ARE BASED OFF OF FINISHED FLOOR ELEVATION AT 100.0°. CONTRACTOR TO COORDINATE WITH ARCHITECTURAL AND CIVIL DRAWINGS FOR EXACT INVERT ELEVATIONS OF ALL LEVELS.

18. FLOOR DRAINS OR SIMILAR TRAPS DIRECTLY CONNECTED TO THE DRAINAGE SYSTEM AND SUBJECT TO INFREQUENT USE SHALL BE PROVIDED WITH AN APPROVED AUTOMATIC MEANS OF MAINTAINING THEIR WATER SEALS, SEE TG-1.

19. PUBLIC LAYATORIES SHALL HAVE CONTROLS TO LIMIT THE WATER TEMPERATURE TO 110°. SEE TY-1. 20. WATER PIPE AND FITTINGS WITH A LEAD CONTENT WHICH EXCEEDS 0.25% SHALL BE PROHIBITED IN SYSTEMS CONVEYING POTABLE WATER.

21. EACH PLUMBING VENT SHALL TERMINATE NOT LESS THAN 10 FEET FROM OR AT LEAST 3 FEET ABOVE ANY WINDOW, DOOR, OPENING, OR AIR INTAKE.

22. ALL ABANDONED EQUIPMENT, PIPING, COMPONENTS, AND ACCESSORIES SHALL BE REMOVED FROM

23. WATER HAMMER ARRESTORS: SIOUX CHIEF 660 SERIES. ADHERE TO PDI-WH 201 REQUIREMENTS FOR SIZING / LOCATIONS: TYPE A: 1-11 FIXTURE UNITS

TYPE B: 12-32 FIXTURE UNITS TYPE C: 33-60 FIXTURE UNITS TYPE D: 61-113 FIXTURE UNITS

24. GENERAL CONTRACTOR IS RESPONSIBLE FOR THE PATCHING / REPAIRING OF ANY WALLS, FLOORS, CEILINGS AND ROOFS NEEDED AS A RESULT OF WORK BEING PERFORMED.

25. PIPE ENDS SHALL BE CAPPED WHEN WORK IS NOT BEING PERFORMED.

26. ALL EXPOSED NG PIPING IS TO BE PAINTED. APPLY ONE COAT OF DEVGUARD EXTERIOR, MULTI-PURPOSE PRIMER AND ONE COAT OF GRAY, UNIGRIP, WATER-BASED AQUACRYLIC SEMI-GLOSS

27. IPC 606.7: LABELING OF WATER DISTRIBUTION:

AREA

SERVED

(GPM) (KW)

(°F)

CODE

THE IDENTIFICATION SHALL INDICATE PIPE CONTENTS AND THE DIRECTION OF FLOW IN THE PIPE. THE INTERVAL OF THE IDENTIFICATION MARKINGS NO THE PIPE SHALL NOT EXCEED 25'. THERE SHALL BE NOT LESS THAN ONE IDENTIFICATION LABEL ON EACH PIPE IN EACH ROOM, EACH SPACE. P.C. SHALL IDENTIFY THE FOLLOWING PIPING:

ELECTRIC WATER HEATER SCHEDULE EWH-

—OPERATING

POWER

MANUFACTURER

& MODEL NO.

DIMENSIONS

(IN.) (IN.) (IN.)

WIDTH HEIGHT | DEPTH | WEIGHT

28. DOMESTIC COLD WATER, SANITARY SEWER (WHERE EXPOSED), VENT PIPING, NATURAL GAS (SEE ADDITIONAL REQUIREMENTS IN NOTE ABOVE).

RTU NOTES:

- PROVIDE WITH DRY BULB ECONOMIZER WITH BAROMETRIC RELIEF - PROVIDE WITH DISCONNECT - PROVIDE WITH UN-POWERED 115V CONVENIENCE OUTLET - PROVIDE WITH 18" INSULATED CURB.

- FACTORY SMOKE DETECTORS IN SUPPLY AND RETURN DUCTS.

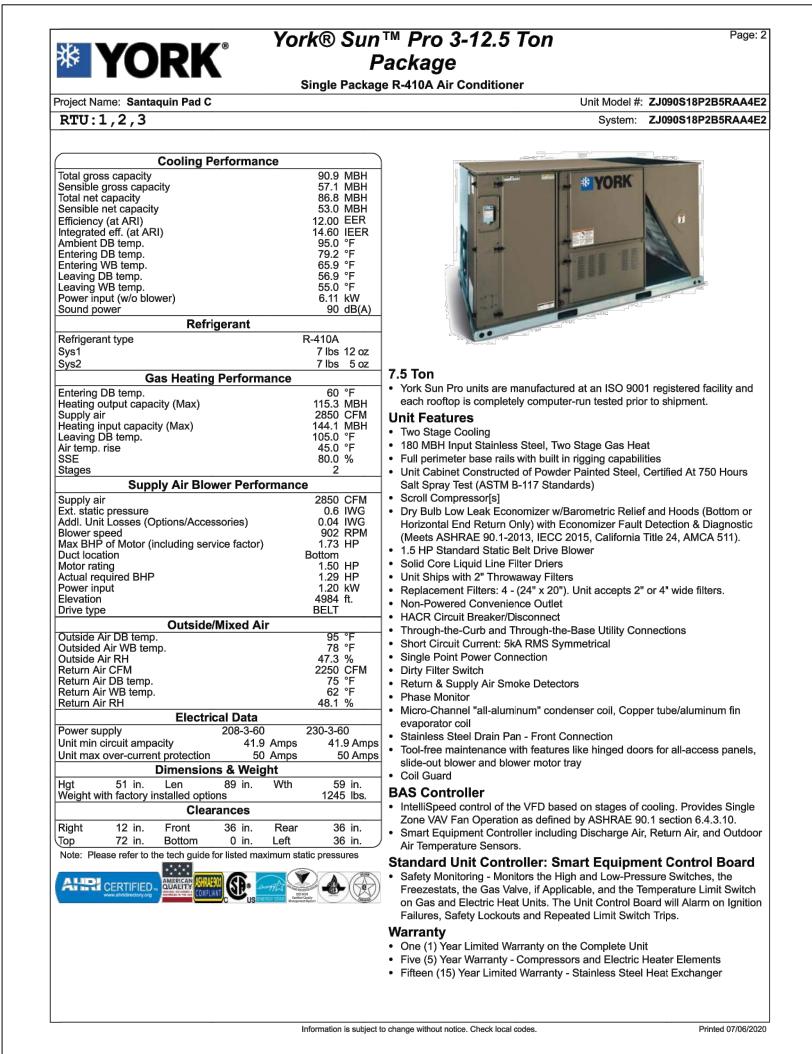
CONNECTIONS BY MC. ELECTRICAL CONNECTIONS BY DIVISION 28. UNIT IS TO SHUT DOWN UPON SMOKE DETECTOR ACTIVATION. - PROVIDE 7 DAY PROGRAMMABLE DIGITAL THERMOSTAT WITH AUTO CHANGEOVER, 5 ° DEAD-BAND, SETBACKS (55° / 85°), 2 HOUR OCCUPANT OVERRIDE, 10 HOUR BACK-UP. - PROVIDE WITH 2" FILTER BANK AND 2" REPLACEABLE MERY 8 FILTERS. - PROVIDE CONDENSATE DRAIN WITH MINIMUM 3" DEEP TRAP - MC SHALL ENGAGE A FACTORY-PROVIDED SERVICE REPRESENTATIVE TO INSPECT. TEST, AND ADJUST RTUS AND COMPONENTS TO ENSURE

PROPER INSTALLATION. - MANUFACTURER-PROVIDED SERVICE REPRESENTATIVE SHALL BE REQUIRED TO INSPECT EACH RTU AS IT IS POWERED W/ THE UNDERSTANDING THAT EACH RTU MAY BE POWERED AT DIFFERENT TIMES REQUIRING MULTIPLE SITE VISITS FOR EQUIPMENT INSPECTIONS. - MANUFACTURER-PROVIDED SERVICE REPRESENTATIVE SHALL PROVIDE THE OWNER / G.C. WITH WRITTEN DOCUMENTATION THAT ALL INSTALLATIONS ARE COMPLETE AND ACCURATE PER MANUF. STANDARDS.

POTABLE WATER DISINFECTION:

2018 IPC 610:

NEW / REPAIRED POTABLE WATER SYSTEMS SHALL BE DISINFECTED PRIOR TO USE. THE PIPING SYSTEM SHALL BE FLUSHED WITH CLEAN, POTABLE WATER UNTIL DIRTY WATER DOES NOT APPEAR. THE SYSTEM SHALL BE FILLED WITH WATER / CHLORINE SOLUTION CONTAINING NO LESS THAN 200 P.P.M. OF CHLORINE, AND THE SYSTEM SHALL BE YALVED OFF AND ALLOWED TO STAND FOR 3 HOURS. FOLLOWING STAND TIME, THE SYSTEM SHALL BE FLUSHED WITH CLEAN , POTABLE WATER UNTIL CHLORINE IS FLUSHED FROM THE SYSTEM. THIS PROCEDURE SHALL BE REPEATED UNTIL SYSTEM IS CLEAR AS INDICATED BY BACTERIOLOGICAL EXAMINATION. PROVIDE TEST / FLUSH DOCUMENTATION TO ENGINEER PRIOR TO PROJECT COMPLETION W/ BALANCE REPORT TO ENGINEER / ARCHITECT. P.C. TO COORDINATE TESTING PROCEDURE WITH PROJECT MANAGER.



| Project Name: Santaquin Pad C | Single Fackaç | ge R-410A Air Conditioner Unit Model #: ZJ049S06B2B5NAA1 |
|---|------------------------------|---|
| Quantity: 1 Tag #: RTU-4 | + | System: ZJ049S06B2B5NAA1 |
| Quantity. 1 Tag #. KTO-4 | | System. 2304930002B3NAA17 |
| Cooling Performance | | |
| Total gross capacity | 50.5 MBH | |
| Sensible gross capacity | 30.6 MBH | ₩YORK |
| Total net capacity | 48.5 MBH | |
| Sensible net capacity Seasonal Efficiency (at ARI) | 28.6 MBH 15.00 SEER | |
| Efficiency (at ARI) | 12.20 EER | |
| Ambient DB temp. | 95.0 °F | |
| Entering DB temp. | 77.5 °F | |
| Entering WB temp. | 64.3 °F | |
| Leaving DB temp. Leaving WB temp. | 56.6 °F 53.1 °F | |
| Power input (w/o blower) | 3.14 kW | |
| Sound power | 80 dB(A) | |
| Refrigerant | ** *= (,7 | |
| Refrigerant type | R-410A | |
| Sys1 | 8 lbs 6 oz | |
| Gas Heating Performance | | 1 |
| Entering DB temp. | 60 °F | 4 Ton |
| Heating output capacity (Max) | 40.2 MBH | York Sun Pro units are manufactured at an ISO 9001 registered facility and |
| Supply air | 1600 CFM | each rooftop is completely computer-run tested prior to shipment. |
| Heating input capacity (Max) | 49.2 MBH | Unit Features |
| Leaving DB temp. | 87.4 °F | Single Stage Cooling |
| Air temp. rise SSE | 27.4 °F 81.5 % | 60 MBH Input Stainless Steel, Two Stage Gas Heat |
| Stages | 01.5 % | Unit Cabinet Constructed of Powder Painted Steel, Certified At 750 Hours |
| Supply Air Blower Performa | | Salt Spray Test (ASTM B-117 Standards) |
| | 1600 CFM | Full perimeter base rails with built in rigging capabilities |
| Supply air Ext. static pressure | 0.6 IWG | Scroll Compressor[s] |
| Addl. Unit Losses (Options/Accessories) | 0.12 IWG | Dry Bulb Low Leak Economizer w/Barometric Relief and Hoods (Bottom or |
| Blower speed | 901 RPM | Horizontal End Return Only) with Economizer Fault Detection & Diagnostic |
| Max BHP of Motor (including service factor) | 1.73 HP | (Meets ASHRAE 90.1-2013, IECC 2015, California Title 24, AMCA 511). |
| Duct location | Bottom | Slide-Out Blower/1.5 HP Belt Drive Motor Assembly |
| Motor rating Actual required BHP | 1.50 HP .63 HP | Solid Core Liquid Line Filter Driers |
| Power input | 0.58 kW | Unit Ships with 2" Throwaway Filters |
| Elevation | 4500 ft. | Replacement Filters: 4 - (24" x 16"). Unit accepts 2" or 4" wide filters. |
| Drive type | BELT | Non-Powered Convenience Outlet |
| Outside/Mixed Air | | HACR Circuit Breaker/Disconnect |
| Outside Air Cfm | 200 CFM | Short Circuit Current: 5kA RMS Symmetrical |
| Outside Air DB temp. | 95 °F | Single Point Power Connection |
| Outsided Air WB temp. | 78 °F | Through-the-Curb and Through-the-Base Utility Connections |
| Outside Air RH Return Air CFM | 47.3 % 1400 CFM | Dirty Filter Switch |
| Return Air DB temp. | 75 °F | Return Air Smoke Detector |
| Return Air WB temp. | 62 °F | Micro-Channel "all-aluminum" condenser coil, Copper tube/aluminum fin |
| Return Air RH | 48.1 % | |
| Electrical Data | | evaporator coil |
| Power supply | 208-3-60 | Composite Drain Pan - Front Connection Tool-free maintenance with features like hinged doors for all-access panels, |
| Unit min circuit ampacity | 24.6 Amps | Tool-free maintenance with features like ninged doors for all-access panels, slide-out blower and blower motor tray |
| Unit max over-current protection | 35 Amps | • |
| Dimensions & Weight | | Standard Unit Controller: Smart Equipment Control Board |
| Hgt 42 in. Len 89 in. Wt | | Safety Monitoring - Monitors the High and Low-Pressure Switches, the Transport to the Coo Value of Applicable and the Townsort was Limit Switches. |
| Weight with factory installed options | 960 lbs. | Freezestats, the Gas Valve, if Applicable, and the Temperature Limit Switch |
| Clearances | | on Gas and Electric Heat Units. The Unit Control Board will Alarm on Ignitio |
| Right 12 in. Front 36 in. Re | ear 36 in. | Failures, Safety Lockouts and Repeated Limit Switch Trips. |
| Top 72 in. Bottom 0 in. Lef | | BAS Controller |
| Note: Please refer to the tech guide for listed maximur | n static pressures | Smart Equipment Controller including Discharge Air, Return Air, and Outdoo |
| | | Air Temperature Sensors. |
| ALER CERTIFIED AMERICAN ANNA STORES | | Warranty |
| www.ahridirectory.org | 100 8004 Certifol Quality | One (1) Year Limited Warranty on the Complete Unit |
| C US (MICHAELE) | Management System | Five (5) Year Warranty - Compressors and Electric Heater Elements |
| | | Fifteen (15) Year Limited Warranty - Stainless Steel Heat Exchanger |
| | | · · · · · · · · · · · · · · · · · · · |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| DII | DINC MATERIAL S | CHEDULE - IPC 20 | 110 | |
|--|---|--|--|--|
| F L | ING MATERIAL S | CHEDULE - IF C 20 | 710 | |
| SERVICE | PIPE MATERIAL | FITTINGS | JOINTS | |
| DOMESTIC WATER - ABOVE GRADE | TYPE "L" COPPER - ASTM B75, ASTM B88, ASTM B 251, ASTM B447 | ASSE 1061, ASME B16.15, ASME B16.18, ASME B16.22, ASME B16.23, ASME B16.26, ASME B16.29 | BRAZED: AWS A5.8. SOLDERED: ASTM B 828, ASTM B 32 W/ ASTM B 813 FLUX. THREADED: ASME B1.20.1 | |
| | | | COMPRESSION: | |
| DRAIN, WASTE , AND VENT - ABOVE GRADE | CAST IRON - ASTM A74, ASTM A888, CISPI 301 | ASME B16.4, ASME B16.12, ASTM A74, ASTM A888, CISPI 301 | ASTM C564, ASTM C1563. HUBLESS: CISPI 310, ASTM C 1277 OR ASTM C1540, ASTM C564 OR CSA B602 | |
| | | | | |
| DRAIN, WASTE , AND VENT - BELOW GRADE | ABS, SCHED. 40, SOLID CELLULAR CORE,ASTM D 2661, ASTM F 628, ASTM F | ASTM D 2661, ASTM F 628, CSA B181.1 | ASTM D 2235, CSA B181.1 | |
| | | | | |
| DRAIN, WASTE , AND VENT - BELOW GRADE | PVC, SCHED. 40, SOLID CELLULAR CORE, ASTM D 2665, ASTM F 891, ASTM F | ASTM D 2665, ASTM F 1866 | ASTM D 3212 | |
| | | | | |
| NATURAL GAS | SCHED. 40 STEEL - ASTM A53/A53M OR ASME B36.10/10M OR ASME A106 | THREADED: IFGC TABLE 403.9.2 | | |

| | | | | FIXTURE TAG | DESCRIPTION |
|---------------------------------------|---|--|---|---------------|---|
| SERVICE | PIPE MATERIAL | FITTINGS | JOINTS | DSN-3 | DOWN SPOUT NOZZ |
| | TYPE "L" COPPER - | ASSE 1061, ASME B16.15, ASME | BRAZED: AWS A5.8. SOLDERED: ASTM B | DSN-4 | DOWN SPOUT NOZZ |
| OMESTIC WATER - ABOVE GRADE | ASTM B75, ASTM B88, ASTM B 251, ASTM | B16.18, ASME B16.22, ASME | 828, ASTM B 32 W/ ASTM B 813 FLUX. | FD-1 | SQUARE FLOOR DRA |
| | B447 | B16.23, ASME B16.26, ASME B16.29 | THREADED: ASME B1.20.1 | GCO-1 | GRADE CLEAN OUT |
| | | | | HB-C | HOSE BIB - COLD |
| | | | | <u>PRV-1</u> | PRESSURE REDUCING V |
| | T | | COMPRESSION: | PRV-2 | PRESSURE REDUCING V |
| AIN, WASTE , AND | CAST IRON - ASTM | ASME B16.4, ASME B16.12, ASTM A74, | ASTM C564, ASTM C1563. HUBLESS: | <u>RD-3</u> | ROOF DRAIN |
| NT - ABOVE GRADE | A74, ASTM A888, CISPI 301 | ASTM A888, CISPI 301 | CISPI 310, ASTM C 1277 OR ASTM C1540, ASTM C564 | <u>RD-4</u> | ROOF DRAIN |
| | | | OR CSA B602 | RPBP-1 | REDUCED PRESSURE BACK |
| | ABS, SCHED. 40, | | | <u>RH-1</u> | ROOF HYDRANT |
| AAIN, WASTE , AND NT - BELOW GRADE | SOLID CELLULAR | ASTM D 2661, ASTM F 628, CSA B181.1 | ASTM D 2235, CSA B181.1 | <u>L-1</u> | WALL-HUNG LAVATO |
| | PVC, SCHED. 40, | | | <u>SC-1</u> | SILLCOCK |
| AIN, WASTE , AND NT - BELOW GRADE | SOLID CELLULAR CORE, ASTM D 2665, | ASTM D 2665, ASTM F 1866 | ASTM D 3212 | <u>SV-1.S</u> | NG SEISMIC VALVE |
| | ASTM F 891, ASTM F | | | <u>SV-2</u> | NG SEISMIC VALVE |
| | SCHED. 40 STEEL - | | | <u>TG-1</u> | TRAP GUARD |
| NATURAL GAS | ASTM A53/A53M OR | THREADED: IFGC | | <u>TV-1</u> | TEMPERING VALVE |
| | ASME B36.10/10M OR ASME A106 | TABLE 403.9.2 | | <u>WC-1</u> | WATER CLOSET - ADA (F VALVE - FLOOR MOUI |
| | | | | | |

| MINIMUM PIPE INSULATION THICKNESS - 2018 IECC C403.2.10 | | | | | | | | | |
|---|----------------------------------|-----------------------|-------------------|--------------|-------------|--|--|--|--|
| | INSULATION | CONDUCTIVITY | NOMINAL PIPE SIZE | | | | | | |
| FLUID OPERATING | CONDUCTIVITY BTU X | MEAN RATING TEMP. | <1" | 1" to < 1.5" | 1 = + - < 1 | | | | |
| TEMP. RANGE (°F) | IN. / (H X FT ² x °F) | IVICAN KATING TEIVIP. | <1 | 1 (0 < 1.5 | 1.5 (0 < 4 | | | | |
| 105 - 140 | 0.21 - 0.28 | 100 | 1 | 1 | 1.5 | | | | |
| 40-60 | 0.21 - 0.27 | 75 | 0.5 | 0.50 | 1 | | | | |
| -40 | 0.20 0.20 | 50 | 0.5 | 1 | | | | | |

REMOVABLE FACE.

| <u>WH-1</u> | ADA RESTROOM | (Ø.5) | 4.1 | 56° | 5 1/4" | 10 3/4" | 2 1/8" | 3.Ø LBS | 208 / 1 (19.7 AMPS) | BRADFORD WHITE E9-4100-2-5-10 | | SSION CONNECTIONS | > | | <40 | 0.20 - 0.29 | 50 | 0.5 | 1 | 1 |
|-------------|--------------|-------|-----|-----|--------|---------|--------|-----------|------------------------|----------------------------------|--------------|-------------------|-------------|---------------|--------------|-------------|--------------------------|--------------|-----------------|------------|
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | SUP | PLY AIR DEVIC | CE SCHEDULE | | | | | |
| | | | | | | PLAN | N CODE | SIZE | NECK | DUTY | INSTALL TYPE | MAX CFM | MAX N.C. | 150-100-50 | MANUFACTURER | MODEL | | COMMENTS | | |
| | | | | | | | | | | | | | | | | | R6 INSULATED BACKPAN. R | SE SUPPLY DU | CT INTO JOIST S | PACE FOR |
| | | | | | | | 1 | 12" X 12" | 8"Ø | SQUARE SUPPLY | GYP. | 314 | 30 | 6'-9'-14' | PRICE | SPD | FINAL CONNECTIONS BY TEN | ANT. RADIAL | DAMPER ACCES | SIBLE FROM |

REMARKS

| | EXHAUST FAN SCHEDULE | | | | | | | | | | | | | |
|-------------|----------------------|---------|-----|-------------|-----|------|-----------------|----------------|---------|------|--------------|--|--------------------------|--|
| PLAN CODE | AREA SERVED | TYPE | CFM | ESP (W.C.") | RPM | HP | VOLTAGE / PHASE | SONES @ 5'-00" | DAMPER | DUCT | WEIGHT (LBS) | METHOD OF CONTROL | MANUFACTURER / MODEL | COMMENTS |
| <u>EF-1</u> | ADA RESTROOM | CEILING | 150 | 0.25" | 602 | 0.06 | 120/1 | 3 | GRAVITY | 6"Ø | 11 | INTERLOCK W/TIME CLOCK: INTERMATIC T101. 120 V @ NTE 40A / POLE. | CAPTIVE AIRE CFA-D150-CA | FACTORY ROOF CAP. VIBRATION HANGERS (4). 3 AMP SPEED CONTROLLER. |

| | ELECTRIC UNIT HEATER | | | | | | | | | | | | |
|------|----------------------|----------|------------------|----------------|-------|-------|--------|--------|--------|----------|--------|-----|--------------------|
| CODE | MFR | MODEL | STYLE | CONTROL | ELEC | TRICA | L DATA | WIDTH | DEPTH | HEIGHT | WEIGHT | CFM | REMARKS |
| | | NO. | | | VOLTS | PH | WATTS | | | | (LBS) | | |
| EH-1 | BERKO / MARLEY | FRC-4820 | RECESSED CABINET | INTEGRAL TSTAT | 208 | 1 | 4800 | 15.75" | 3 7/8" | 19 5/16" | 25 | 100 | SET TO 40 DEGREES. |

| FIXTURE TAG | DESCRIPTION | COLD | HOT | WASTE | VENT | CHEDULE - PAD C SPECIFICATIONS |
|---------------|---|--------------|--------------|-------------|------------|--|
| DSN-3 | DOWN SPOUT NOZZLE | N/A | N/A | 4" | N/A | JR SMITH 1770-BS. NICKEL BRONZE. COORDINATE HEAT TRACE W/ E.C. TERMINATE 18" A.F.G. |
| <u>DSN-4</u> | DOWN SPOUT NOZZLE | N/A | N/A | 3" | N/A | JR SMITH 1770-BS. NICKEL BRONZE. COORDINATE HEAT TRACE W/ E.C TERMINATE 18" A.F.G. |
| <u>FD-1</u> | SQUARE FLOOR DRAIN | N/A | N/A | 2" | 2" | SIOUX CHIEF 832 SERIES. SQUARE TOP. NICKEL BRONZE. HINGED STRAINER. PROVIDE W/TG-1. |
| GCO-1 | GRADE CLEAN OUT | N/A | N/A | 4" | N/A | JR SMITH: 4237 ADJUSTABLE TOP, NON-TILT TRACTOR COVER. VANDAL PROOF SECURING SCREW. GALVANIZED CAST IRON TOP. |
| <u>HB-C</u> | HOSE BIB - COLD | 3/4" | N/A | N/A | N/A | WOODFORD 24P-3/4. INTEGRAL VACUUM BREAKER. CHROME |
| <u>PRV-1</u> | PRESSURE REDUCING VALVE | 1.S" | N/A | N/A | N/A | WATTS LF223S |
| PRV-2 | PRESSURE REDUCING VALVE | 3/4" | N/A | N/A | N/A | WATTS LF223S |
| <u>RD-3</u> | ROOF DRAIN | N/A | N/A | 4" | N/A | JR SMITH: 1010Y-C-R-CI DOME. PROVIDE W/EXTENSION RING FOR OD. INSTALL INSULATION ON DRAIN BOWLS AND ALL HORIZONTALLY INSTALLED PIPING ABOVE GRADE. |
| <u>RD-4</u> | ROOF DRAIN | N/A | N/A | 3" | N/A | JR SMITH: 1010Y-C-R-CI DOME. PROVIDE W/ EXTENSION RING FOR OD. INSTALL INSULATION ON DRAIN BOWLS AND ALL HORIZONTALLY INSTALLED PIPING ABOVE GRADE. |
| RPBP-1 | REDUCED PRESSURE BACKFLOW PREVENTER | 2" | N/A | 3/4" | N/A | WATTS 009. LEAD FREE. 1/4 TURN VALVES. BRONZE STRAINER. STAINLESS HANDLES. UNION CONNECTIONS. |
| <u>RH-1</u> | ROOF HYDRANT | 3/4" | N/A | N/A | N/A | WOODFORD: SRH:MS W/INTEGRAL DUAL CHECK BACKFLOW, AIR VENT, AND FACTORY MOUNTING SYSTEM. ASSE 10S7/10S2 |
| <u>L-1</u> | WALL-HUNG LAVATORY | 1/2" | 1/2" | 2" | 1.S" | AMERICAN STANDARD: LUCERNE SNGLE HOLE. FAUCET: AMERICAN STANDARD SELECTRONIC 60SS.10S. 0.S GPM. VANDAL RESISTANT LAMINAR FLOW. PROVIDE W/ GRID STRAINER, TV-1, ADA INSULATION, P-TRAP W/ CLEANOUT. SET TV-1 TO 110 DEGREES (MAX) |
| <u>SC-1</u> | SILLCOCK | 3/4" | N/A | N/A | N/A | WOODFORD MODEL B6S. INTEGRAL VACUUM BREAKER. CHROME LOCK BOX. |
| <u>SV-1.S</u> | NG SEISMIC VALVE | N/A | N/A | N/A | N/A | CALIFORNIA (KOSO) MODEL 302 FOR HORIZONTAL INSTALLATION. (1.S" W/ UNIONS) |
| <u>SV-2</u> | NG SEISMIC VALVE | N/A | N/A | N/A | N/A | CALIFORNIA (KOSO) MODEL 302 FOR HORIZONTAL INSTALLATION. 2" W/UNIONS) |
| <u>TG-1</u> | TRAP GUARD | N/A | N/A | PER FIXTURE | N/A | RECTORSEAL: SURE SEAL. PROVIDE FOR INDIRECT WASTE RECPTORS WHICH DO NOT RECEIVE CONDENSATE. |
| <u>TV-1</u> | TEMPERING VALVE | 1/2" | 1/2" | N/A | N/A | SYMMONS: 5-210-CK-MAXLINE. SET TO 110 DEGREES. ASSE |
| <u>WC-1</u> | WATER CLOSET - ADA (FLUSH VALVE - FLOOR MOUNT) | 1" | N/A | 4" | 3" | AMERICAN STANDARD: MADERA. FLOOR MOUNT. W/ BENEKE OPEN FRONT SEAT. SLOAN VALVE: ROAYL 111DFSM 1.6 / 1.1. BATTERY OPERATED. |
| WHA-1 | WATER HAMMER ARRESTOR (DOMESTIC) | SEE PLANS | SEE PLANS | N/A | N/A | SIOUX CHIEF: 660 SERIES. ADHERE TO PDI-WH201 REQUIREMENTS FOR SIZING / LOCATIONS. COORDINATE ACCESS PANELS W/ PM / OWNER. |
| W/CO 1 | WALL CLEAN OUT | NI/A | NI/A | CEE DI ANC | CEE DI ANG | SIQUIV CHIEF 972 SERIES W/STAINLESS STEEL COVER |

| | NATURAL GAS | CALCULATIO | JNS - SANTAQUI | NPADC | |
|---------------------|--------------------------|---|---|-----------|-----|
| DESCRIPTION | IDENTIFICATION | SERVES | PROVIDED BY | INPUT MBH | CFH |
| RTU-1 | ROOF TOP UNIT | WEST | M.C. | 144.1 | 170 |
| RTU-2 | ROOF TOP UNIT | CENTER | M.C. | 144.1 | 170 |
| RTU-3 | ROOF TOP UNIT | CENTER | M.C. | 144.1 | 170 |
| RTU-4 | ROOF TOP UNIT | EAST | M.C. | 96.1 | 113 |
| | | *************************************** | *************************************** | | |
| | | | | 528.4 | 623 |
| BASIS OF DESIGN: 20 | 018 IFGC TABLE 402.4 (5) | | | | |
| BTU / CUBIC FOOT | | | | 849 | |
| REQUIRED PRESSURE | DELIVERY (psig) | | | 2 | |
| MAXIMUM LENGTH | OF RUN FROM METER TO | EQUIPMENT | | 200' | |

N/A N/A SEE PLANS SEE PLANS SIOUX CHIEF 873 SERIES W/ STAINLESS STEEL COVER.

2. PRESSURE REGULATORS SHALL BE INSTALLED PER MANUF. REQUIREMENTS.

3. PRESSURE REGULATORS SHALL BE MAXITROL, PIETRO FIORENTINI, OR EQUIVALENT 4. VALVES: BRASS BODY, FULL-PORT, PTFE SEAT, LEVER HANDLE, 150 PSIG, F.I.P.

MECHANISM, SPRING ASSIST, OPEN / CLOSE INDICATOR, F.I.P, ASCE 25 COMPLIANT

5. EARTHQUAKE VALVES: CAST ALUMINUM BODY, SWING CHECK-VALVE, ACCELERATION-SENSITIVE ,

1040 North 2200 West, Suite 100

Phone: (801) 359-3158 Fax: (801) 521-4114

Salt Lake City, UT 84116

SHEET TITLE

350 South 200 East, #106

SALT LAKE CITY, UTAH 8411

P: 801.596.069

DESIGNUTAH.COM

design

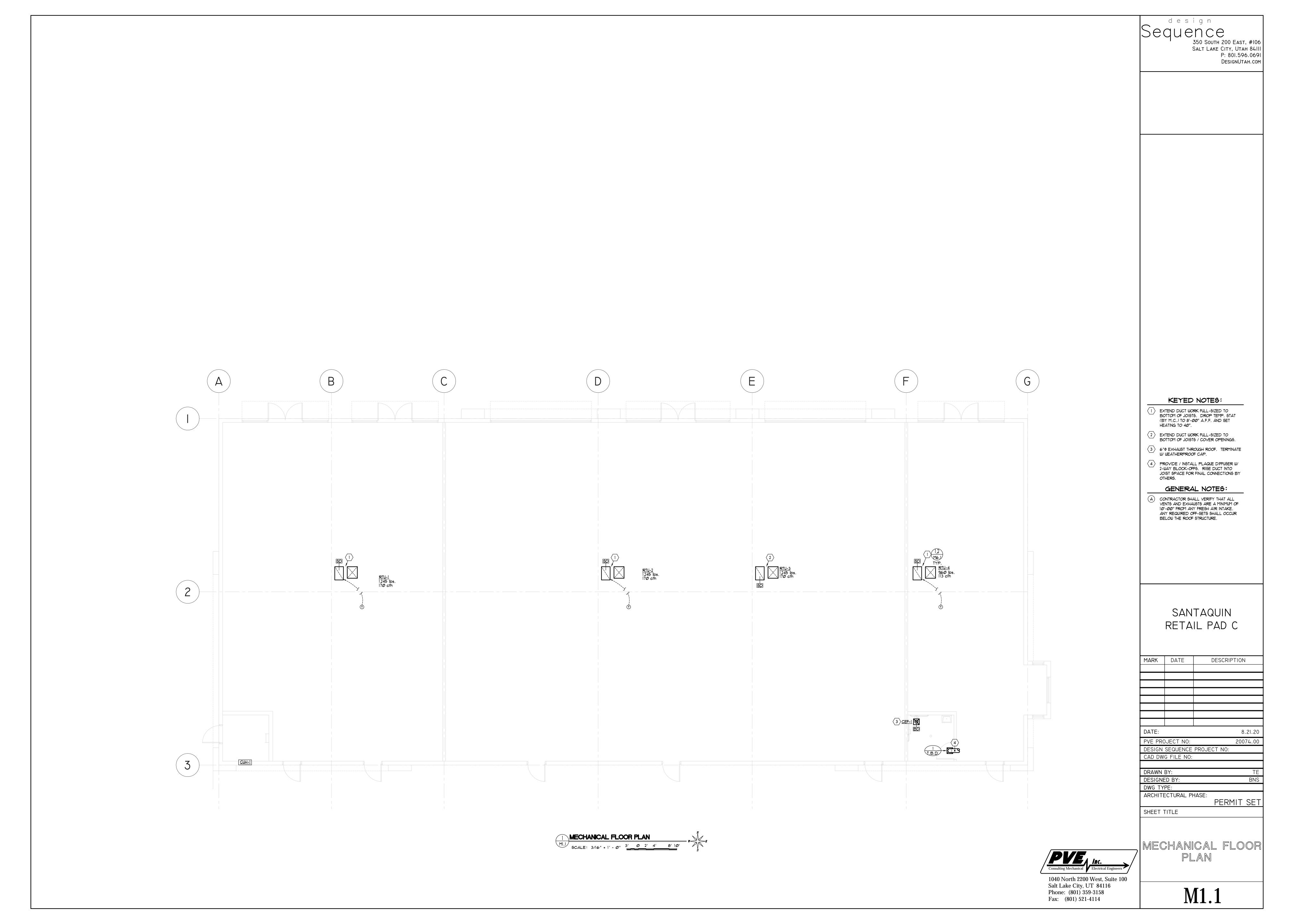
SANTAQUIN RETAIL PAD C

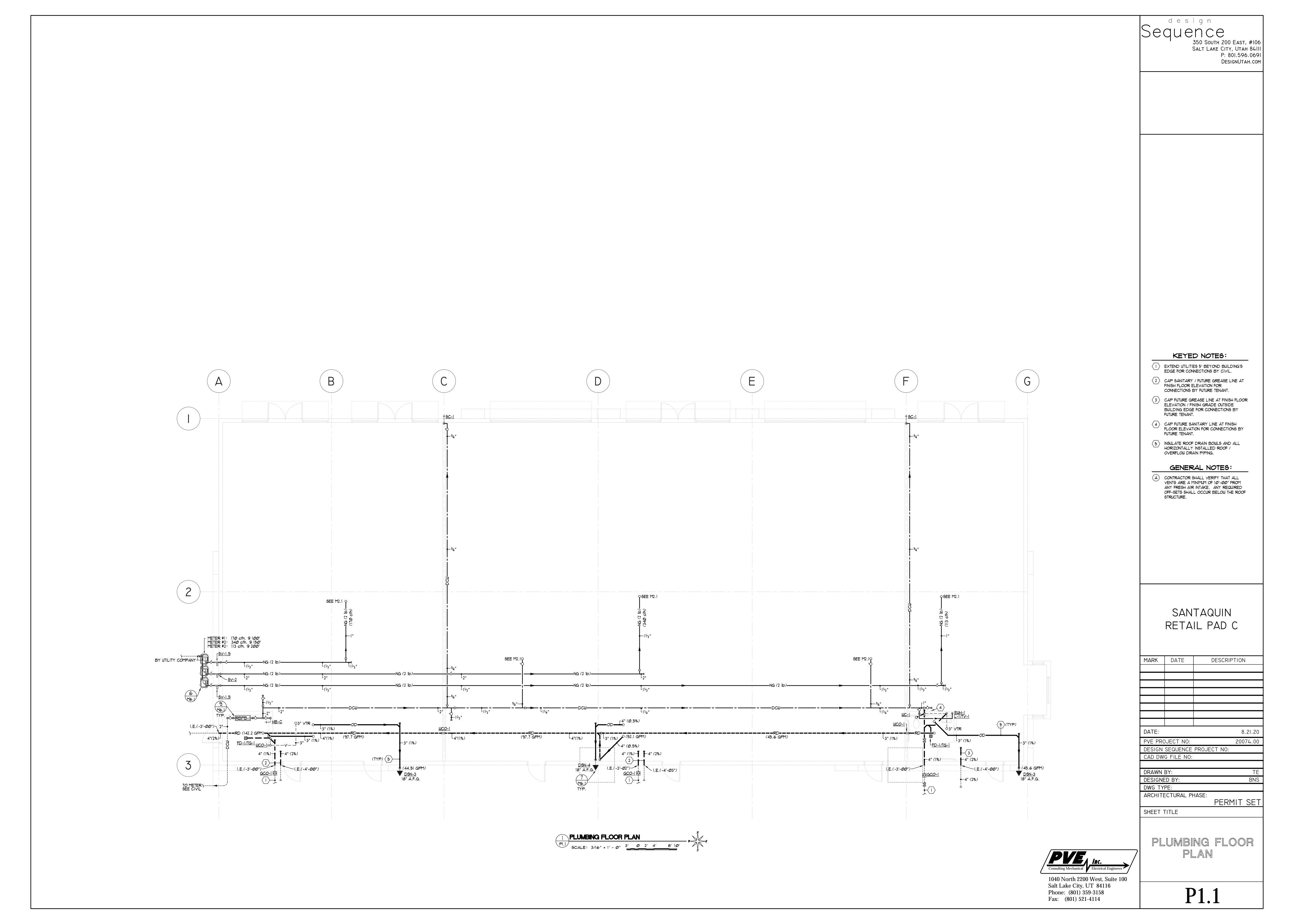
MARK | DATE DESCRIPTION PVE PROJECT NO: 20074.00 DESIGN SEQUENCE PROJECT NO: CAD DWG FILE NO:

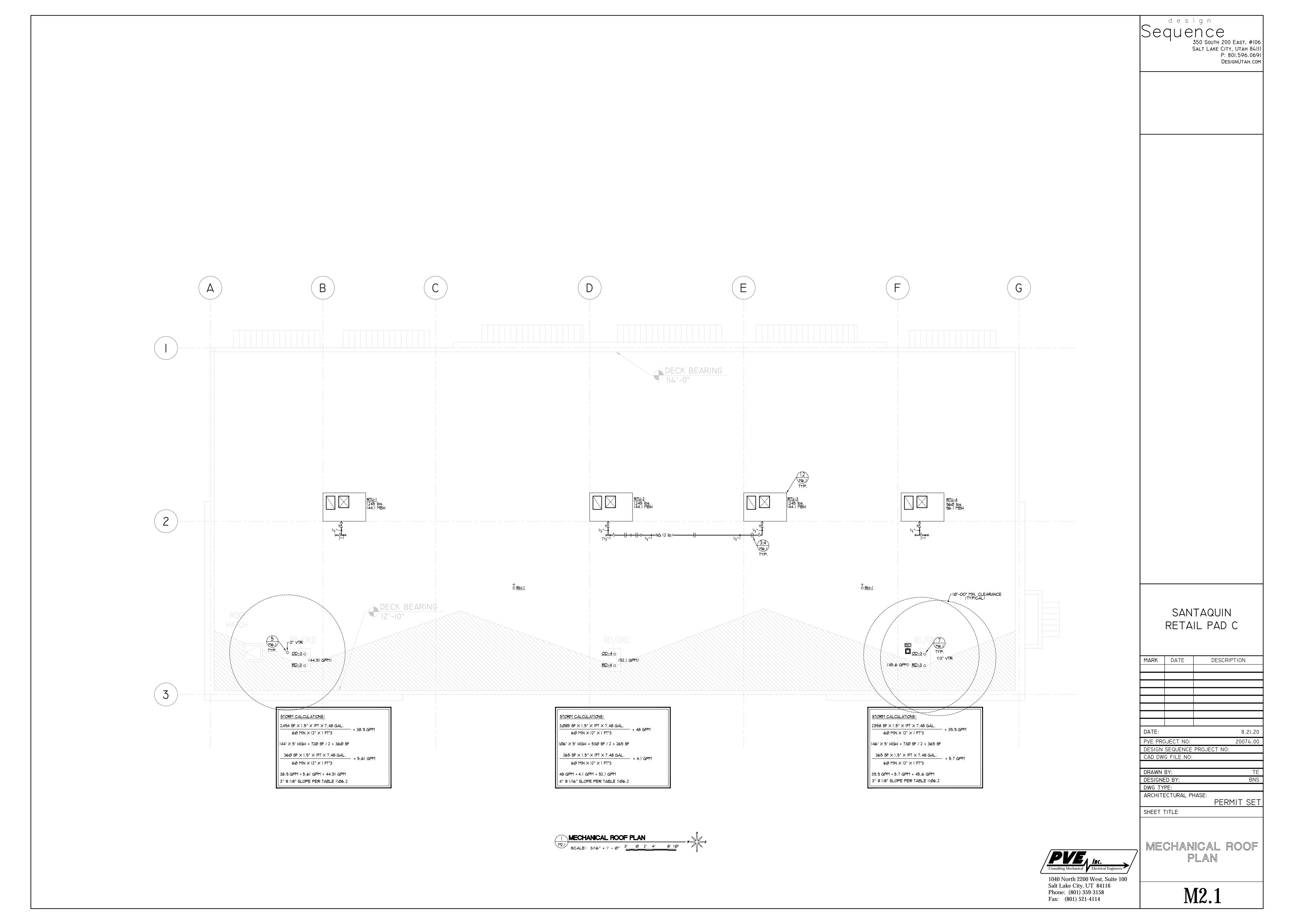
DRAWN BY: DESIGNED BY DWG TYPE: ARCHITECTURAL PHASE: PERMIT SET

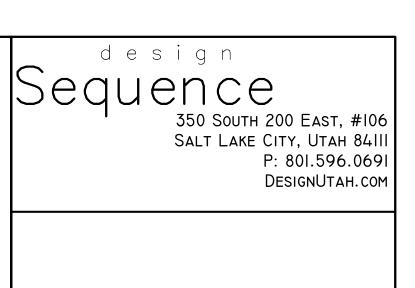
> MECHANICAL & PLUMBING SCHEDULES

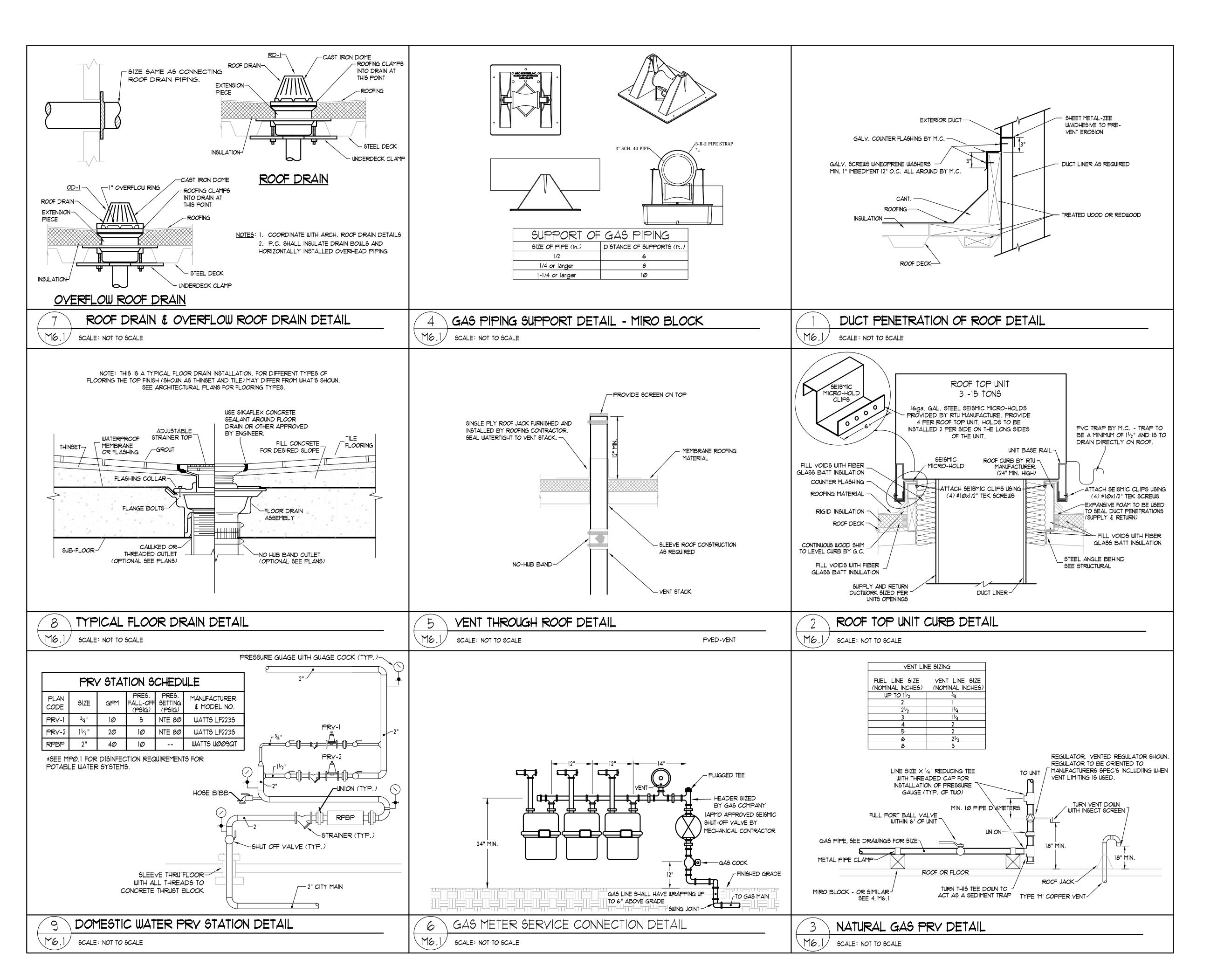
> > M0.1











SANTAQUIN RETAIL PAD C

| MARK | DATE | DESCRIPTION |
|---------|------------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| DATE: | | 8.21.20 |
| PVE PRO | JECT NO: | 20074.00 |
| DESIGN | SEQUENCE | PROJECT NO: |
| CAD DW | G FILE NO: | |
| | | |
| DRAWN | BY: | TE |
| DESIGNE | D BY: | BNS |
| DWG TY | PE: | |
| ARCHITE | ECTURAL PH | HASE: |
| | | PERMIT SE |

PIE INC.

Consulting Mechanical Electrical Engineers

DETAILS

1040 North 2200 West, Suite 100

Salt Lake City, UT 84116

Phone: (801) 359-3158 Fax: (801) 521-4114 SHEET TITLE

M6.1

| | ELECTRICAL SYMBOL SC | | | | ELECTRICAL SYMBOL SC | 1 |
|--|--|--|--|---|--|---|
| SYMBOL | DEVICE/FIXTURE DESCRIPTION | MOUNTING | COMMENTS | SYMBOL | DEVICE/FIXTURE DESCRIPTION | MOUNTING |
| $\bigcirc \stackrel{\times}{\times}$ | MECHANICAL/PLUMBING EQUIPMENT CALLOUT | | | | MAIN TELEPHONE BOARD | 6'-6" TO TOP |
| (X-1) | KITCHEN EQUIP. CALLOUT, OR AS NOTED BY ARCH. | | | | SECURITY PANEL, SURFACE | AS NOTED |
| | KITCHEN EQUIP. CALLOUT, OR AS NOTED BY ARCH. | | | | SECURITY PANEL, RECESSED | AS NOTED |
| \bigcirc | LUMINAIRE TYPE DIAGRAM/DETAIL CALLOUT | | | <u></u> | SMOKE DETECTOR SOUNDER PASE | CEILING |
| XXX | CONDUIT RUN CONCEALED IN WALL OR CEILING | | | ł | SMOKE DETECTOR, SOUNDER BASE SMOKE DETECTOR, SOUNDER BASE, WALL | 7'-6" |
| | CONDUIT RUN CONCEALED IN FLOOR OR GROUND | | | | | CEILING |
| | | | | ł | SMOKE DETECTOR, SOUNDER BASE, VISUAL IND. | 7'-6" |
| | SURFACE RACEWAY/WIREMOLD | | | HO1 | SMOKE DETECTOR, SOUNDER BASE, VISUAL IND., WALL | |
| | LOW VOLTAGE CONDUIT RUN | | | FSD | DUCT SMOKE DETECTOR | SEE MECH. |
| | DEMOLITION | | | | FIRE/SMOKE DAMPER | SEE MECH. |
| | EXISTING LIONE BUILTO BANEL | | | | HEAT DETECTOR PECENTER | CEILING |
| | HOME RUN TO PANEL | | | B X | BEAM DETECTOR, RECEIVER | |
| | CONDUIT STUB | | | ® → | BEAM DETECTOR, TRANSMITTER | |
| | CONDUIT BREAK/CONTINUATION | | | ® ₹ | BEAM DETECTOR, RECEIVER/TRANSMITTER | |
| | CONDUIT STUB DOWN | | | B 4 | BEAM DETECTOR, REFLECTOR | |
| | CONDUIT STUB UP | | | (F) | FLAME DETECTOR | |
| | FUSE | | | | FIRE FIGHTER TELEPHONE OUTLET | 41.01 |
| | GROUND/GROUND ROD | | | F F | FIRE ALARM MANUAL PULL STATION FIRE ALARM STROBE, ATTRIBUTE SIGNIFIES | 4'-0" |
| | CIRCUIT BREAKER | 40" | | # | CANDELA RATING | 7'-6" |
| ∇ | TELEPHONE OUTLET, SINGLE PORT | 18" | (0) | | FIRE ALARM HORN FIRE ALARM HORN STROBE, ATTRIBUTE SIGNIFIES | 7'-6" |
| ₩ | TELEPHONE OUTLET, CUSTOM HEIGHT | 40" | (6) | <u>⊠</u> \d # | CANDELA RATING | 7'-6" |
| ▼ | DATA OUTLET, DUAL PORT | 18" | (0) | | FIRE ALARM SPEAKER FIRE ALARM SPEAKER STROBE, ATTRIBUTE SIGNIFIES | 7'-6" |
| ▼ | DATA OUTLET, CUSTOM HEIGHT | | (6) | ⊠ ◀ # | CANDELA RATING | 7'-6" |
| | DUAL DATA AND SINGLE TELEPHONE PORT DUAL DATA AND SINGLE TELEPHONE PORT, | 18" | | ED - | FIRE SPRINKLER FLOW BELL | 7'-6" AFF |
| | CUSTOM HEIGHT | | (6) | F. | FIRE ALARM CHIME | AS NOTED |
| | DATA OUTLET, ATTRIBUTE SIGNIFIES PORT QUANTITY | 18" | | | ELECTRO MAGNETIC DOOR HOLDER | AS NOTED |
| | TELEPHONE OUTLET, SINGLE PORT, FLOOR MOUNTED | FLOOR | | RM — | RELAY MODULE | |
| | DATA OUTLET, DUAL PORT, FLOOR MOUNTED | FLOOR | | <u>MM</u> | MONITOR MODULE | |
| • | TELEVISION OUTLET | AS NOTED | (6) (11) | <u>CM</u> | CONTROL MODULE | |
| +• | NURSE CALL STATION, SINGLE BED | 4'-11" | (11) | PS | PRESSURE SWITCH | |
| #• | NURSE CALL STATION, DOUBLE BED | 4'-11" | (11) | TS | TAMPER SWITCH | |
| -X• | NURSE CALL STATION, EMERGENCY | 4'-11" | (11) | FS | FLOW SWITCH | |
| | NURSE CALL STATION, CODE BLUE | 4'-11" | (11) | IM | LOOP ISOLATION MODULE | |
| • > | NURSE CALL STATION, MICROPHONE/SPEAKER UNIT | 4'-11" | (11) | XM | FIRE EXTINGUISHER MONITOR | |
| +•] | NURSE CALL PULL CHAIN | AS NOTED | | | FIRE RISER | SEE PLANS |
| 0 | NURSE CALL DOME LIGHT | CEILING | (11) | | FIRE ALARM PANEL, SURFACE | AS NOTED |
| | NURSE CALL DOME LIGHT, WALL | WALL | (11) | (0) (D) (0) | FIRE ALARM PANEL, RECESSED | AS NOTED |
| | SPEAKER | CEILING | | (S) (D) (Q) | (S) SIMPLEX (D) DUPLEX (Q) QUADPLEX OR DOUBLE DUPLEX STANDARD CONVENIENCE OUTLET | 18" |
| H | SPEAKER, WALL | AS NOTED | (11) | | CONVENIENCE OUTLET, GFCI | 18" |
| \bigcirc | VOLUME CONTROL, WALL | 4'-0" | (11) | | STANDARD CONVENIENCE OUTLET, EMERGENCY | 18" |
| <u> </u> | MICROPHONE, WALL | AS NOTED | (11) | | STANDARD CONVENIENCE OUTLET, SWITCHED | 18" |
| | MICROPHONE, FLOOR | FLOOR | | | | 10 |
| | BELL, WALL | AS NOTED | | | | |
| | CHIME, WALL | AS NOTED | | | CONVENIENCE OUTLET, ISOLATED GROUND | 18" |
| <u> </u> | , | | | 1 14 44 44 | CONVENIENCE COTLET, ICCENTED CHOCKED | 10 |
| @ | SECURITY CAMERA, FIXED | CEILING | | I · · · · · | CONVENIENCE OUTLET ELOOP | EI OOP |
| @ | <u> </u> | CEILING CEILING | | | CONVENIENCE OUTLET, FLOOR | FLOOR |
| ⊚ ⊗ | SECURITY CAMERA, FIXED | | (11) | D D B | CONVENIENCE OUTLET, CEILING | CEILING |
| @ | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ | CEILING | (11) | □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□< | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE | CEILING 18" |
| ⊚ ⊗ | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL | CEILING AS NOTED | , , | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX | CEILING |
| (a) (b) (d) | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL | CEILING AS NOTED AS NOTED | (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET | CEILING 18" |
| © ⊗ ⊕ Œ | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER | CEILING AS NOTED AS NOTED 4'-0" | (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT | CEILING 18" FLOOR |
| © | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT | CEILING AS NOTED AS NOTED 4'-0" 4'-0" | (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET | CEILING 18" FLOOR SUSPENDED |
| | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" | (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE | CEILING 18" FLOOR |
| | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" | (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT | CEILING 18" FLOOR SUSPENDED |
| | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" | (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE | CEILING 18" FLOOR SUSPENDED |
| | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION | CEILING 18" FLOOR SUSPENDED AS NOTED |
| | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC STRIKE | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED |
| | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED AS NOTED |
| | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED |
| © H H CR | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME SERVICE STRICE BY SECURITY CAMERA, PTZ WALL SECURITY CAMERA BEAUTICAL SECURITY CAMERA SECURITY CAMERA BEAUTICAL SECURITY CAMERA | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP NL NIGHT LOCAL | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR CLOCK OUTLET | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED AS NOTED |
| © H H H CR | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME ABBREVIATIONS S ENT ELEC. NON-METAL. TUBING ILABLE FAULT CURRENT ER EXISTING TO BE RELOCATED WE FINISHED FLOOR EX EXISTING TO REMAIN WE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP NL NIGHT DOCAL PC PLUME POC POINT | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR CLOCK OUTLET MANUAL MOTOR CONTROLLER SWITCH WITHOUT TERMINAL OVERLOAD PROTECTION | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED AS NOTED |
| B A AMP AFC AVAI AFF ABO AFG ABO AIC AMP AWG AME | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME S S ENT ELEC. NON-METAL. TUBING ILLABLE FAULT CURRENT VE FINISHED FLOOR EX EXISTING TO BE RELOCATED OF THE PROPERTY OF THE PROP | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP NL NIGHT LOCAL PC PLUME POC POINT POS POINT R RELOC | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR CLOCK OUTLET MANUAL MOTOR CONTROLLER SWITCH WITHOUT TERMINAL OVERLOAD PROTECTION SWITCH WITH PILOT LIGHT | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED AS NOTED |
| A AMP AFC AVAI AFF ABO AFG ABO AIC AMP AWG AME BC BARI BFC BELO | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME SILABLE FAULT CURRENT ER EXISTING TO BE RELOCATED FOR EXEMPLY EXISTING TO REMAIN VE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT OF SINTERR. CAPACITY GC GENERAL CONTRACTOR EXEMPLY EXISTING TO REMAIN VE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT OF SINTERR. CAPACITY GC GENERAL CONTRACTOR CRICAN WIRE GAUGE GEC GRND. ELEC. COND. AT SES ECOPPER GFCI GRND. FLT. CURR. INTERR. COW FINISHED CEILING GND GROUND | CEILING AS NOTED A'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" A'-0" C'-6" TO TOP O'-6" TO TOP NL NIGHT LOCAL PC PLUME POC POINT POS POINT R RELOC RM ROOF RMC RIGID | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR CLOCK OUTLET MANUAL MOTOR CONTROLLER SWITCH WITHOUT TERMINAL OVERLOAD PROTECTION SWITCH WITH PILOT LIGHT MANUAL SWITCH WITH THERMAL OVERLOAD | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED AS NOTED |
| A AMP AFC AVAI AFF ABO AIC AMP AWG AME BC BARI BFC BELC BFG BELC C CON | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME SECURITY CAMERA, PTZ WE FINISHED FLOCK EX EXISTING TO BE RELOCATED FOR EXEMINING TO REMAIN FLEXIBLE METAL CONDUIT OF THE PROPERTY OF T | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP NL NIGHT LOCAL PC PLUME POC POINT POS POINT R RELOC RM ROOF RMC RIGID RNC RIGID SBJ SYSTE | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR CLOCK OUTLET MANUAL MOTOR CONTROLLER SWITCH WITHOUT TERMINAL OVERLOAD PROTECTION SWITCH WITH PILOT LIGHT MANUAL SWITCH WITH THERMAL OVERLOAD SINGLE POLE DOOR SWITCH | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED AS NOTED FLOOR |
| A AMP AFC AVA AFF ABO AFG ABO AIC AMP AWG AME BC BARI BFC BELC BFG BELC C CON | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME SILABLE FAULT CURRENT ER EXISTING TO BE RELOCATED EXTERMINATE OF SINTERR. CAPACITY GC GENERAL CONTRACTOR EXENDED ENTONE | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP NL NIGHT LOCAL PC PLUME POC POINT R RELOC RM ROOF RMC RIGID RNC RIGID RNC RIGID SBJ SYSTE SCA SHOR T TRANS | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR CLOCK OUTLET MANUAL MOTOR CONTROLLER SWITCH WITHOUT TERMINAL OVERLOAD PROTECTION SWITCH WITH PILOT LIGHT MANUAL SWITCH WITH THERMAL OVERLOAD | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED AS NOTED |
| A AMP AFC AVAI AFF ABO AFG ABO AIC AMP AWG AME BC BARI BFC BELC C CON CND CON CO CON CT CUR | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME SECURITY CAMERA, PTZ WE FINISHED FLOOR EX EXISTING TO BE RELOCATED FOR EXENSITING TO REMAIN VE FINISHED FLOOR EX EXISTING TO REMAIN VE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT SENTERR. CAPACITY GC GENERAL CONTRACTOR SENTE LEC. COND. AT SES ECOPPER GEC GRND. ELEC. COND. AT SES ECOPPER GFCI GRND. FLT. CURR. INTERR. DW FINISHED GRADE IMC INTER. METAL CONDUIT IDUIT IDUI | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP O'-6" TO TOP NL NIGHT LOCAL PC PLUME POC POINT POS POINT R RELOC RM ROOF RMC RIGID RNC RIGID SBJ SYSTE SCA SHOR T TRANS TC TEMP. | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR CLOCK OUTLET MANUAL MOTOR CONTROLLER SWITCH WITHOUT TERMINAL OVERLOAD PROTECTION SWITCH WITH PILOT LIGHT MANUAL SWITCH WITH THERMAL OVERLOAD SINGLE POLE DOOR SWITCH | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED AS NOTED FLOOR |
| A AMP AFC AVA AFF ABO AFG ABO AIC AMP AWG AME BC BARI BFC BELC C CON | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME SECURITY CAMERA, PTZ WEYPAD ELECTRIC HINGE ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME SECURITY CAMERA, PTZ WE FINISHED FLOOR EX EXISTING TO BE RELOCATED FOR FLEXIBLE METAL CONDUIT ON FRAME SECURITY CAMERA, PTZ WE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT ON FRAME SECURITY CAMERA, PTZ WE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT ON FRAME SECURITY CAMERA, PTZ WE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT ON FRAME WE FINISHED CEILING WE FINISHED CEILING WE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT ON FRAME WE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT ON FRAME WE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT ON FRAME WE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT ON FRAME WE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT ON FRAME WE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT ON FRAME WE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT ON FRAME WE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT ON FRAME | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP NL NIGHT LOCAL PC PLUME POC POINT POS POINT R RELOC RM ROOF RMC RIGID RNC RIGID RNC RIGID SBJ SYSTE SCA SHOR' T TRANS TC TEMP. UG UNDER | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR 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 | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED FLOOR AS NOTED |
| A AMP AFC AVA AFF ABO AFG ABO AIC AMP AWG AME BC BARI BFC BELC BFG BELC C CON CND CON CO CON CT CUR CU COP DED DED DFA DRO EC ELEC | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME SENT ELEC. NON-METAL. TUBING TO REMAIN TO REM | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP NL NIGHT LOCAL PC PLUME POC POINT POS POINT R RELOC RM ROOF RMC RIGID RNC | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR 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, DOUBLE | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED FLOOR AS NOTED AS NOTED AS NOTED |
| A AMP AFC AVAI AFF ABO AFG ABO AIC AMP AWG AME BC BARI BFC BELC C CON CND CON CT CUR CU COP DED DED DFA DRO EC ELEC EF EXH, EM EME | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME S S ENT ELEC. NON-METAL. TUBING ILABLE FAULT CURRENT WE FINISHED FLOOR VE FINISHED FRADE WE FINISHED GRADE FINC SI INTER. CAPACITY GC GENERAL CONTRACTOR GRICAN WIRE GAUGE ECOPPER GFCI GRND. FLT. CURR. INTERR. DW FINISHED CEILING DW FINISHED CEILING DW FINISHED GRADE IMC INTER. METAL CONDUIT IG ISOLATED GROUND DUIT IG ISOLATED GROUND INTER. METAL CONDUIT IG ISOLATED GROUND INTER. METAL CONDUIT IG ISOLATED GROUND INCINITER. METAL CONDUIT IG ISOLATED GROUND METAL. COND. MECHANICAL CONTRACTOR AUST FAN N1 NEMA 1 NEMA 1 NEMA 3 NEMA 3R | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP NL NIGHT LOCAL PC PLUME POC POINT R RELOC RM ROOF RMC RIGID RNC RIGID RNC RIGID RNC RIGID SBJ SYSTE SCA SHOR' T TRANS TC TEMP. UG UNDER UNO UNLES VA VOLT/ VIF VERIF WP WEATL XP EXPLO | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWERVOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR 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 PUSH BUTTON SWITCH, TRIPLE | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED FLOOR AS NOTED AS NOTED AS NOTED |
| A AMP AFC AVAI AFF ABO AFG ABO AIC AMP AWG AME BC BARI BFC BELC C CON CND CON CT CUR CU COP DED DED DFA DRO EC ELEC EF EXH, EM EME | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME S S ENT ELEC. NON-METAL. TUBING INTERMEDIATE OF EXELURATIONS SINTER. CAPACITY SINTER. COND. FILT. CURR. INTERR. SINTER. METAL CONDUIT SIDUIT SI | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP NL NIGHT LOCAL PC PLUME POC POINT R RELOC RM ROOF RMC RIGID RNC RIGID RNC RIGID RNC RIGID SBJ SYSTE SCA SHOR' T TRANS TC TEMP. UG UNDER UNO UNLES VA VOLT/ VIF VERIF WP WEATL XP EXPLO | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWERVOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR 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 PUSH BUTTON SWITCH, TRIPLE EMERGENCY POWER OFF (EPO) SWITCH | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED FLOOR AS NOTED AS NOTED AS NOTED |
| A AMP AFC AVA AFF ABO AFG ABO AIC AMP AWG AME BC BARI BFC BELC C CON CND CON CO CON CT CUR CU COP DED DED DFA DRO EC ELEC EF EXH, EM EME EMT ELEC (1) SEE | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME S S ENT ELEC, NON-METAL, TUBING ILABLE FAULT CURRENT VE FINISHED FLOOR VE FINISHED FAULT VE FINISHED GRADE SINTERR, CAPACITY GE GENERAL CONTRACTOR SINTERR, CAPACITY GE GENERAL CONTRACTOR SINTERR, CAPACITY GE GENERAL CONTRACTOR GROUND OW FINISHED CEILING OW FINISHED GRADE DOW FINISHED CEILING DOW FINISHED GRADE DOW FINISHED CEILING DOW FINISHED CEILING TOW FINISHED CEILING SOND FROM ABOVE PER MATERIAL LENC LIQUID-TIGHT FLEX. NON-METAL, COND. METAL, COND. ME | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP NL NIGHT LOCAL PC PLUME POC POINT R RELOC RM ROOF RMC RIGID RNC RIGID RNC RIGID RNC RIGID SBJ SYSTE SCA SHOR' T TRANS TC TEMP. UG UNDER UNO UNLES VA VOLT/ VIF VERIF WP WEATL XP EXPLO | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR 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 PUSH BUTTON SWITCH, TRIPLE EMERGENCY POWER OFF (EPO) SWITCH | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED FLOOR AS NOTED AS NOTED AS NOTED |
| A AMP AFC AVAI AFF ABO AFG ABO AIC AMP AWG AME BC BARI BFC BELC C CON CO CON CT CUR CU COP DED DED DFA DRO EC ELEC EF EXH, EM EME EMT ELEC (1) SEE (2) SEE (3) WIRI | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, PTZ, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME SELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME SELEC. NON-METAL. TUBING TO BE RELOCATED TO SELEC. COND. AT SES EXISTING TO REMAIN VE FINISHED GRADE FMC FLEXIBLE METAL CONDUIT SINTERR. CAPACITY GC GENERAL CONTRACTOR RICAN WIRE GAUGE GEC GRND. FLT. CURR. INTERR. DW FINISHED GRADE IMC INTER. METAL CONDUIT IG ISOLATED GROUND DUIT IG ISOLATED GROUND DUIT IG ISOLATED GROUND IDUIT IGHT FLEX. METAL. COND. PER MATERIAL LFNC LIQUID-TIGHT FLEX. NON-METAL. COND. NON-METAL. COND. PER MATERIAL LFNC LIQUID-TIGHT FLEX. NON-METAL. COND. NON-METAL. CON | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP 6'-6" TO TOP NL NIGHT LOCAL PC PLUME POC POINT POS POINT R RELOC RM ROOF RMC RIGID RNC RIGID RNC RIGID SBJ SYSTE SCA SHOR' T TRANS TC TEMP. UG UNDER UNO UNLES VA VOLT/ VIF VERIF WP WEATL XP EXPLO XR EXISTI | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWERVOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR 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 PUSH BUTTON SWITCH, TRIPLE EMERGENCY POWER OFF (EPO) SWITCH FUSED DISCONNECT SWITCH | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED FLOOR AS NOTED AS NOTED AS NOTED |
| A AMP AFC AVA AFF ABO AFG ABO AIC AMP AWG AME BC BARI BFG BELC C CON CND CON CO CON CT CUR CU COP DED DED DFA DRO EC ELEC EF EXH, EM EME EMT ELEC (1) SEE (2) SEE (3) WIRN (4) CON (5) DIRE | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, PTZ, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME S S ENT ELEC. NON-METAL. TUBING ILABLE FAULT CURRENT VE FINISHED FLOOR VE FINISHED FLOOR VE FINISHED GRADE VE FINISHED GRADE VE FINISHED GRADE SINTERR. CAPACITY GC GRND. FLEXIBLE METAL. CONDUIT SINTERR. CAPACITY GC GRND. FLEX. COND. AT SES E COPPER OW FINISHED CEILING OW FINISHED GRADE IMC INTER. METAL. COND. PER MATERIAL LENC LIQUID-TIGHT FLEX. METAL. COND. M | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP NL NIGHT LOCAL PC PLUME POC POINT R RELOC RM ROOF RMC RIGID RNC | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR 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 PUSH BUTTON SWITCH, TRIPLE EMERGENCY POWER OFF (EPO) SWITCH NON-FUSED DISCONNECT SWITCH MAGNETIC STARTER | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED FLOOR AS NOTED AS NOTED AS NOTED |
| A AMP AFC AVAI AFF ABO AFG ABO AIC AMP AWG AME BC BARI BFC BELC C CON | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME S S ENT ELEC. NON-METAL. TUBING ILABLE FAULT CURRENT VE FINISHED GRADE SINTERR. CAPACITY VE FINISHED GRADE SINTERR. CAPACITY GC GENERAL CONTRACTOR SINTERR. CAPACITY GC GENERAL CONTRACTOR SINTERR. CAPACITY GC GEND. FLT. CURR. INTERR. DW FINISHED CEILING SOLATED GROUND DUIT LIQUID-TIGHT FLEX. METAL. COND. PER MATERIAL LFNC LIQUID-TIGHT FLEX. METAL. COND. PER MATERIAL LFNC LIQUID-TIGHT FLEX. NON-METAL. COND. PO FROM ABOVE MC MCAMINIMUM CIRCUIT AMPS AUST FAN N1 NEMA 1 NEMA 3 NEMA 3R NOTES LUMINAIRE SCHEDULE FOR FIXTURE TYPES AND DETAILS. LUMINAIRE SCHEDULE FOR MOUNTING REQUIREMENTS. E LIGHT FIXTURE FROM ADJACENT J-BOX INECT NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGEN COTTONAL ARROWS INDICATE REQUIRED CHEVRONS. SINCET NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGEN COTTONAL ARROWS INDICATE REQUIRED CHEVRONS. SINCET NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGEN COTTONAL ARROWS INDICATE REQUIRED CHEVRONS. SINCET NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGEN COTTONAL ARROWS INDICATE REQUIRED CHEVRONS. SINCET NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGEN COTTONAL ARROWS INDICATE REQUIRED CHEVRONS. SINCET NEAREST UN-SWITCHED HOT CONDUCTOR TO EMERGEN COTTONAL ARROWS INDICATE REQUIRED CHEVRONS. | CEILING AS NOTED A'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP O'-6"-6" TO TOP NL NIGHT LOCAL PC PLUME POC POINT POS POINT R RELOC RM ROOF RMC RIGID RNC RIGID RNC RIGID SBJ SYSTE SCA SHOR' T TRANS TC TEMP. UG UNDER UNO UNLES VA VOLTA VIF VERIF WP WEAT XP EXPLO XR EXISTI | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWER/VOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR 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 PUSH BUTTON SWITCH, TRIPLE EMERGENCY POWER OFF (EPO) SWITCH NON-FUSED DISCONNECT SWITCH MAGNETIC STARTER MAGNETIC STARTER | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED FLOOR AS NOTED AS NOTED AS NOTED |
| A AMP AFC AVA AFF ABO AFG ABO AFG BELCO CON CON CON CON CON CON CON CON CON C | SECURITY CAMERA, FIXED SECURITY CAMERA, PTZ SECURITY CAMERA, FIXED, WALL SECURITY CAMERA, PTZ, WALL CARD READER DOOR CONTACT REQUEST TO EXIT KEYPAD ELECTRIC HINGE ELECTRIC LATCH ELECTRIC STRIKE BIOMETRIC READER MAIN DISTRIBUTION FRAME INTERMEDIATE DISTRIBUTION FRAME SENT ELEC. NON-METAL. TUBING ELEC. STRING TO BE RELOCATED TO BE REAL COND. DIDIT IS SOLATED GROUND TO BE REAL COND. DIDIT IS SOLATED TO BE REAL COND. DIDIT SOLATED TO BE REAL COND. DIDIT SOLATED TO BE REAL COND. DIDIT SOLATED TO BE REAL CON | CEILING AS NOTED AS NOTED 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 4'-0" 6'-6" TO TOP OLIVITY OF AND HOLES OF AND HO | (11) (11) (11) (11) (11) (11) (11) (11) | | CONVENIENCE OUTLET, CEILING 2 CIRCUITS TO EACH DEVICE COMBINATION POWER AND COMMUNICATION FLOOR BOX SPECIAL PURPOSE OUTLET DIRECT CONNECTION TO EQUIPMENT CORD DROP OUTLET POWERVOICE-DATA SERVICE POLE DISTRIBUTION JUNCTION UNIT VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSION JUNCTION BOX JUNCTION BOX, WALL JUNCTION BOX, FLOOR 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 PUSH BUTTON SWITCH, TRIPLE EMERGENCY POWER OFF (EPO) SWITCH NON-FUSED DISCONNECT SWITCH MAGNETIC STARTER MAGNETIC STARTER WITH FUSED DISCONNECT MAGNETIC STARTER WITH BREAKER DISCONNECT | CEILING 18" FLOOR SUSPENDED AS NOTED AS NOTED FLOOR AS NOTED AS NOTED AS NOTED |

(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.

PANEL, ANNUN: GRAPHIC ANNUNCIATOR PANEL, AND SES: SMOKE EVACUATION SYSTEM

(16) LIGHT FIXTURES ARE SCALED WITHIN THE DRAWINGS BASED ON ACTUAL DIMENSIONS.

USE HEAVY DUTY DEVICE FOR 480 VOLT.
SIZE TO THE EQUIPMENT BEING CONTROLLED

PROVIDE MUD RING AND/OR BOX COVER APPROPRIATE FOR DEVICE/FIXTURE SERVED.

15) FIRE ALARM PANELS: FACP: FIRE ALARM CONTROL PANEL, NAC: NOTIFICATION APPLIANCE

| SYMBOL | ELECTRICAL SYMBOL S DEVICE/FIXTURE DESCRIPTION | MOUNTING | COMMENT |
|-----------------|--|--------------|------------------|
| STIVIBUL | MOTOR OUTLET | INICONTING | CONTINIENT |
| | MOTOR OUTLET, ROOF MOUNTED | ROOF | |
| <u> </u> | | | |
| <u> </u> | LIGHTNING PROTECTION AIR TERMINAL | ROOF | |
| <u> </u> | LIGHTNING PROTECTION BOND PLATE | | |
| <u> </u> | LIGHTNING PROTECTION GROUND ROD | GROUND | |
| <u> </u> | POKETHRU | | |
| \oplus | UTILITY POWER POLE | SEE PLANS | |
| М | TRANSFORMER | SEE PLANS | |
| T | TRANSFORMER | SEE PLANS | |
| <u> </u> | 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) |
| 0 | 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) |
| 0 | CEILING LIGHT FIXTURE | CEILING | (1) (2) |
| \odot | PENDANT/CHANDELIER LIGHT FIXTURE | SUSPENDED | (1) (2) (3) |
| Ю | WALL LIGHT FIXTURE, SURFACE | AS NOTED | (1) (2) |
| D | WALL LIGHT FIXTURE, RECESSED | AS NOTED | (1) (2) |
| <u> </u> | TRACK LIGHT FIXTURE WITH TRACK | CEILING | (1) (2) (3) |
| | | | (1)(2)(0) |
| * | CEILING FAN | SUSPENDED | |
| <u> </u> | FLOOD/LANDSCAPE/MONUMENT LIGHT FIXTURE | GROUND | (1) (2) (3) |
| ← □ | AREA LIGHT FIXTURE | POLE | (1) (2) |
| Ю | EXIT SIGN, WALL | 7'-6" | (1) (2) (4) (5) |
| \otimes | EXIT SIGN | CEILING | (1) (4) (5) |
| 90 | EMERGENCY LIGHT FIXTURE, WALL | 7'-6" | (1) (2) |
| P | PHOTO-ELECTRIC CELL | AS NOTED | |
| PP | POWER PACK | CEILING | |
| ® | SLAVE PACK | CEILING | |
| | | | |
| MP | MINI POWER PACK | CEILING | |
| ECU | EMERGENCY CONTROL UNIT | CEILING | |
| ① | DUAL TECHNOLOGY VACANCY SENSOR | CEILING | (7) |
| ₩ | DUAL TECHNOLOGY VAC. SENSOR, WALL | AS NOTED | (7) |
| Ю | DUAL TECHNOLOGY VAC. SENSOR SWITCH, 1-BUTTON | 4'-0" | (7) |
| Ю | DUAL TECHNOLOGY VAC. SENSOR SWITCH, 2-BUTTON | 4'-0" | (7) |
| ● | DAYLIGHT SENSOR | CEILING | |
| _ | MOTION SENSOR | AS NOTED | |
| <u> </u> | | | 1 |
| • | PASSIVE INFRARED SENSOR | CEILING | |
| \$ | SINGLE POLE SWITCH | 4'-0" | |
| \$ ² | DOUBLE POLE, SINGLE THROW SWITCH | 4'-0" | |
| \$ ³ | THREE WAY SWITCH | 4'-0" | |
| \$ ³ | THREE WAY SWITCH ATTRIBUTE SIGNIFIES FIXTURE SWITCHING | 4'-0" | |
| \$ ⁴ | FOUR WAY SWITCH | 4'-0" | |
| \$\$ | DUAL LEVEL SWITCH BANK | 4'-0" | |
| \$ \$ | | | |
| | DIMMER SWITCH | 4'-0" | - |
| \$ | LOW VOLTAGE SWITCH | 4'-0" | |
| \$ ^K | KEYED SWITCH, SINGLE POLE | 4'-0" | (15) |
| \$ ^T | 7-DAY TIMER SWITCH, SINGLE POLE | 4'-0" | (15) |
| TC | TIME CLOCK | AS NOTED | |
| | LIGHTING CONTROL PANEL, SURFACE | 6'-6" TO TOP | |
| | • | | |

COMMENTS

(9) (11) (18)

(9) (11) (18)

(13)(14)

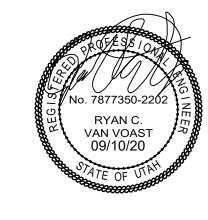
| Sheet List Table | | | | | | |
|---------------------------------|--|--|--|--|--|--|
| Sheet Title | | | | | | |
| ELECTRICAL NOTES & SYMBOLS | | | | | | |
| ELECTRICAL SPECIFICATIONS | | | | | | |
| ELECTRICAL DETAILS | | | | | | |
| ELECTRICAL SCHEDULES & ONE LINE | | | | | | |
| ELECTRICAL PANEL SCHEDULES | | | | | | |
| ELECTRICAL SITE PLAN | | | | | | |
| OVERALL ELECTRICAL PLAN | | | | | | |
| ELECTRICAL ROOF PLAN | | | | | | |
| | | | | | | |

GENERAL NOTES

- 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 IT'S 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.
- 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 CABLING.
- 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
- 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 RIGIDLY 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
- 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 (INSPECTIOR). 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, 120 OR 277VAC BRANCH CIRCUITS, THE CIRCUIT SHALL CONSIST OF 2#12(CU,THHN)+1#12(CU,THHN)GND IN 3/4" EMT CONDUIT. 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, 600VAC RATED, TYPE THHN/THWN-2 UNLESS OTHERWISE NOTED. CONDUCTORS SIZES UP TO #10AWG SHALL BE SOLID AND #8AWG 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 PREMISIS.
- 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 CONTRACTOR'S 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/CABLING INSTALLED CONCEALED WITHIN WALLS/CEILINGS. 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.

350 SOUTH 200 EAST, #106 SALT LAKE CITY, UTAH 84111 P: 801 596 0691

DESIGNUTAH.COM





WWW.VBFA.COM

181 East 5600 South

Murray, UT 84107

801.530.3148 T

801.530.3150 F

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: | 1708.0 |
| CVD DW | G FILE NO: | _ | | |

DRAWN BY:
DESIGNED BY:

DWG TYPE:

ARCHITECTURAL PHASE:

PERMIT SET

SHEET TITLE

ELECTRICAL NOTES & SYMBOLS

ELECTRICAL SPECIFICATIONS

PART 1 - GENERAL

A DESCRIPTION

1. FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL A COMPLETE AND OPERABLE ELECTRICAL SYSTEM.

B. RULES AND REGULATIONS

1. ALL WORK AND MATERIALS SHALL BE INSTALLED AS SHOWN AND HEREIN SPECIFIED.

- 2. THE LATEST EDITIONS OF THE FOLLOWING SPECIFICATIONS, STANDARDS, AND AMENDMENTS, AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION, SHALL FORM A PART OF THIS SPECIFICATION THE SAME AS IF HEREIN WRITTEN OUT IN FULL (ALL MATERIALS AND INSTALLATIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS THEREOF):
- a. NFPA (NATIONAL FIRE PROTECTION ASSOCIATION), PUBLICATION NUMBER 70, "NATIONAL, ELECTRICAL CODE"; PUB. NO. 72E, "AUTOMATIC FIRE DETECTORS".
- b. UL (UNDERWRITERS LABORATORIES, INC.).
- c. NEMA (NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION).
- d. UBC (UNIFORM BUILDING CODE) AND STANDARD BUILDING CODE.
- d. UBC (UNIFORM BUILDING CODE) AND STANDARe. IBC (INTERNATIONAL BUILDING CODE)
- f. IFC (INTERNATIONAL FIRE CODE)
- g. IECC (INTERNATIONAL ENERGY CONSERVATION CODE)
 h. IEC (INTERNATIONAL ELECTRICAL CODE) STATE AND
- i. LOCAL BUILDING AUTHORITY AND CODES3. NO REQUIREMENT TO THESE DRAWINGS AND SPECIFICATIONS SHALL BE CONSTRUCTED TO VOID ANY OF
- THE PROVISIONS OF THE ABOVE SPECIFICATIONS AND STANDARDS.

 C. PERMITS AND INSPECTIONS UNLESS OTHERWISE SPECIFIED, THE CONTRACTOR SHALL APPLY, PAY FOR AND
- C. PERMITS AND INSPECTIONS UNLESS OTHERWISE SPECIFIED, THE CONTRACTOR SHALL APPLY, PAY FOR AND SCHEDULE ALL APPLICABLE PERMITS, FEES AND INSPECTIONS REQUIRED BY ANY AND ALL PUBLIC
- AUTHORITIES HAVING JURISDICTION AND REQUIRING INSPECTION.

 1. EC SHALL INCLUDE ALL UTILITY COMPANY CHARGES IN THE BASE BID.

D. WORKMANSHIP AND MATERIALS

- WORKMANSHIP SHALL BE OF THE BEST QUALITY AND NONE BUT COMPETENT PERSONNEL SKILLED IN THEIR
 TRADE SHALL BE EMPLOYED. THE CONTRACTOR SHALL FURNISH THE SERVICES OF AN EXPERIENCED
 SUPERINTENDENT, WHO WILL BE IN CHARGE OF THE EXECUTION OF WORK, UNTIL COMPLETED AND
 ACCEPTED.
- 2. UNLESS OTHERWISE HEREIN AFTER SPECIFIED, ALL MATERIALS AND EQUIPMENT UNDER THIS DIVISION OF THE SPECIFICATIONS SHALL BE NEW, OF BEST GRADE AND AS LISTED IN PRINTED CATALOGS OF THE MANUFACTURER. EACH ARTICLE OF IT'S KIND SHALL BE THE STANDARD PRODUCT OF A SINGLE MANUFACTURER.
- 3. THE OWNER'S REPRESENTATIVE SHALL HAVE THE RIGHT TO ACCEPT OR REJECT MATERIAL EQUIPMENT AND/OR WORKMANSHIP AND DETERMINE WHEN THEY HAVE COMPLIED WITH THE REQUIREMENTS HEREIN SPECIFIED.
- 4. ALL MANUFACTURED MATERIALS SHALL BE CLEARLY MARKED OR STAMPED WITH THE MANUFACTURER'S NAME AND RATING.
- 5. REFERENCE TO STANDARDS ARE INTENDED TO BE THE LATEST REVISION OF THE STANDARD SPECIFIED, OF THAT ACCEPTED BY THE AUTHORITY HAVING JURISDICTION.

E. MANUFACTURER'S RECOMMENDATIONS

- 1. EQUIPMENT INSTALLED UNDER THIS DIVISION OF THE SPECIFICATIONS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR HEREIN SPECIFIED.
- F. GUARANTEE ALL MATERIALS AND EQUIPMENT PROVIDED AND INSTALLED UNDER THIS SECTION SHALL BE GUARANTEED FOR A MINIMUM OF ONE YEAR. SHOULD ANY TROUBLE OR MALFUNCTIONS DEVELOP DURING THIS PERIOD DUE TO DEFECTIVE MATERIALS OR FAULTY WORKMANSHIP, THE CONTRACTOR WILL BE HELD LIABLE AND SHALL FURNISH LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CORRECT THE TROUBLE OR MALFUNCTION WITHOUT ADDITIONAL COST TO THE OWNER. ALL DEFECTIVE MATERIAL OR INFERIOR WORKMANSHIP NOTICED DURING THE TIME OF INSTALLATION SHALL BE CORRECTED IMMEDIATELY TO THE ENTIRE SATISFACTION OF THE ARCHITECT, ENGINEER AND OWNER, AT NO ADDITIONAL COST.

G. DEFINITIONS

- 1. "PROVIDE" MEANS FURNISH, INSTALL, AND CONNECT, UNLESS OTHERWISE INDICATED.
- "FURNISH" MEANS PURCHASE NEW AND DELIVER IN OPERATING ORDER TO PROJECT SITE.
 "INSTALL" MEANS TO PHYSICALLY INSTALL THE ITEMS IN-PLACE.
- "CONNECT" MEANS MAKE FINAL ELECTRICAL CONNECTIONS FOR A COMPLETE OPERATING PIECE OF EQUIPMENT. THIS INCLUDES PROVIDING CONDUIT, WIRE, TERMINATIONS, ETC. AS APPLICABLE.
 "OR EQUIVALENT" - MEANS TO PROVIDE EQUIVALENT EQUIPMENT. SUCH EQUIPMENT MUST BE APPROVED
- BY THE ENGINEER PRIOR TO BIDDING.

H. SUBMITTALS

1. PROVIDE SHOP DRAWINGS AND MANUFACTURER'S LITERATURE OF MATERIALS AND EQUIPMENT AS REQUIRED IN THE GENERAL CONDITIONS, AS DIRECTED BY THE OWNER'S REPRESENTATIVE AND AS LISTED BELOW:

2. CATALOG CUTS

- a. CIRCUIT BREAKERS (EACH SIZE AND TYPE)
- b. SAFETY SWITCHESc. MOTOR STARTERS
- d. THERMAL SWITCH
- d. THERMAL SWITCHES
 e. LIGHT FIXTURES

THE ABOVE IS A STANDARD SUBMITTAL REQUIREMENT LIST. ELECTRICAL CONTRACTOR SHALL SUBMIT ALL APPLICABLE ITEMS FOR REVIEW. MATERIAL NOT SUBMITTED AND APPROVED BY THE ARCHITECT, ENGINEER OR OWNER'S REPRESENTATIVE SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTORS COST IF DIRECTED BY THE ARCHITECT, ENGINEER OR THE OWNER'S REPRESENTATIVE.

PART 2 - MATERIALS

A. GENERA

1. MATERIALS AND EQUIPMENT SHALL BE STANDARD CATALOGED PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE MANUFACTURE OF THE PRODUCT. UL LISTED, AND SHALL BE THE LATEST STANDARD DESIGN THAT CONFORMS TO SPECIFIED MATERIALS AND EQUIPMENT.

B. RACEWA

ELECTRICAL METALLIC TUBING (EMT) SHALL BE USED IN INTERIOR DRY LOCATIONS.
 GALVANIZED FLEXIBLE STEEL (FMC) OR LIQUID TIGHT STEEL (LFMC) CONDUIT SHALL BE USED FOR

- CONNECTIONS TO MECHANICAL EQUIPMENT, LUMINAIRES AND TRANSFORMERS AND AS INDICATED.
 LIQUID TIGHT CONDUIT SHALL BE USED IN EXTERIOR OR DAMP LOCATIONS.
- 3. SCHEDULE 40 PVC (WITH PVC COATED OR VINYL TAPE DOUBLE WRAPPED RIGID STEEL ELBOWS AND RISES) SHALL BE USED FOR RUNS THAT ARE IN CONTACT WITH THE EARTH.
- 4. 3/4" CONDUIT SHALL BE THE MINIMUM SIZE CONDUIT.
- 5. OUTDOOR AND WET OR DAMP LOCATIONS: PROVIDE RIGID STEEL CONDUIT.

C. FITTINGS

1. ALL FITTINGS SHALL BE STEEL/MALLEABLE IRON WITH INSULATING BUSHINGS.

D. OUTLET AND JUNCTION BOXES

- 1. BOXES IN INTERIOR DRY LOCATIONS SHALL BE GALVANIZED ONE-PIECE PRESSED STEEL, KNOCKOUT TYPE,
- NOT LESS THAN 4 INCHES SQUARE AND 2 1/8" DEEP; APPLETON, RACO, OR EQUAL.

 2. BOXES SHALL BE EQUIPPED WITH PLASTER RINGS, EXTENSION RINGS, AND FIXTURE STUDS AS REQUIRED.
- 3. BOXES FOR FLOOR OUTLETS SHALL BE OF THE CAST-METAL THREADED-CONDUIT-ENTRANCE,
 WATERPROOF TYPE WITH MEANS FOR ADJUSTING COVER PLATE TO FINISHED FLOOR LEVEL. BOXES

SHALL BE SUCH AS HUBBELL B2503 OR EQUAL. THE COVER SHALL BE HUBBELL S3925, S3082 OR EQUAL TO

- MATCH THE FLOOR TYPE OR AS SHOWN ON THE PLANS.

 4. PROVIDE FLUSH MOUNTING OUTLET BOX IN FINISHED AREAS.
- 5. BOXES FOR STRUCTURED CABLING (DATA & PHONE) IN INTERIOR DRY LOCATIONS SHALL BE GALVANIZED ONE-PIECE PRESSED STEEL, KNOCKOUT TYPE 4 11/16" x 2 1/8"; APPLETON, RAYCO OR EQUAL.
- 6. ALL BOXES IN FINISHED SPACES SHALL BE PROVIDED WITH MUD RINGS AS REQUIRED FOR THE DEVICE AND WALL MATERIAL.
- 7. OUTDOOR AND WET OR DAMP LOCATIONS: PROVIDE CAST METAL OR PVC OUTLET, JUNCTION, AND PULL BOXES.

E. CONDUCTORS

- 1. ALL CONDUCTORS SHALL BE SOFT DRAWN, ANNEALED COPPER IN RACEWAY SIZED AS SHOWN ON THE PLANS. ALL CONDUCTORS TO BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE #8 AWG AND LARGER SHALL BE STRANDED.
- 2. CONDUCTORS SHALL BE COPPER, THHN OR THWN-2 COLOR CODED IN ACCORDANCE WITH PART 3, SECTION C. 1. OF THESE SPECIFICATIONS OR AS INDICATED ON THE DRAWINGS.

. WIRING CONNECTIONS

1. MAKE ALL ELECTRICAL CONNECTIONS.

- 2. MAKE CONNECTION TO DEVICES USING "PIG-TAILS". DO NOT USE A DEVICE AS A CONNECTION OR A SPLICE UNIT.
- 3. DO NOT PLACE STRANDED CONDUCTORS DIRECTLY UNDER SCREWS. INSTALL CRIMP-ON, INSULATED, FORK TERMINALS FOR CONDUCTOR TERMINATIONS, OR INSTALL SOLID CONDUCTORS.

G. NAMEPLATES

1. PROVIDE EACH PANEL BOARD, DISCONNECT SWITCH, AND BREAKER IN SWITCHBOARD WITH A MICARTA PLASTIC NAMEPLATE MADE OF WHITE-FACED BLACKCORE PLASTIC LAMINATE. NAMEPLATE SHALL BE MINIMUM 3" WIDE BY 3/4" HIGH FOR PANEL BOARD IDENTIFICATION INCLUDE DESIGNATION, PHASE, VOLTAGE, AND CIRCUIT NUMBER. FASTEN WITH EPOXY GLUE. DOUBLE STICK TAPE IS NOT ACCEPTABLE

J. FRACTIONAL HORSEPOWER MANUAL STARTER

- 1. PROVIDE FRACTIONAL HORSEPOWER MANUAL STARTER WITH THE FOLLOWING FEATURES.
- a. MELTING ALLOY TYPE THERMAL OVERLOAD RELAY
- b. RED NEON PILOT LIGHT
- c. THERMAL ELEMENT SIZED FOR MOTOR LOAD
- 2. PROVIDE A NAMEPLATE ON EACH COMPONENT OF MOTOR CONTROL EQUIPMENT AS SPECIFIED IN "NAMEPLATES".

K. SAFETY SWITCHES

- 1. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL SAFETY SWITCHES AS INDICATED ON THE DRAWINGS OR AS REQUIRED. ALL SAFETY SWITCHES SHALL BE UL LISTED. THE SWITCHES SHALL BE FUSED SAFETY SWITCHES OR NON-FUSED SAFETY SWITCHES AS SHOWN ON THE DRAWINGS OR REQUIRED BY CODE AND SHALL BE MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, SIEMENS OR CUTLER HAMMER.
- 2. SWITCHES SHALL HAVE A QUICK-MAKE AND QUICK-BREAK OPERATING HANDLE AND MECHANISM WHICH SHALL BE AN INTEGRAL PART OF THE BOX. PADLOCKING PROVISIONS SHALL BE PROVIDED FOR PADLOCKING IN THE OFF POSITION WITH AT LEAST THREE PADLOCKS. SWITCHES SHALL BE HORSEPOWER RATED FOR 250 VOLTS AC OR DC OR 600 VOLTS AC AS REQUIRED. LUGS SHALL BE UL LISTED FOR COPPER AND ALUMINUM CABLE AND SHALL HAVE A TEMPERATURE RATING OF AT LEAST 75 DEGREES C.
- 3. SWITCHES SHALL BE FURNISHED IN NEMA 1 HEAVY DUTY ENCLOSURES WITH KNOCKOUTS UNLESS OTHERWISE NOTED OR REQUIRED. SWITCHES LOCATED ON THE EXTERIOR OF THE BUILDING OR IN "WET" LOCATIONS SHALL HAVE NEMA 3R ENCLOSURES (WP).
- 4. THE SAFETY SWITCHES SHALL BE SECURELY MOUNTED IN ACCORDANCE WITH THE NEC. THE CONTRACTOR SHALL PROVIDE ALL MOUNTING MATERIALS AND INSTALL FUSES IN THE FUSED SAFETY SWITCHES. THE FUSES SHALL BE DUAL ELEMENT ON MOTOR CIRCUITS.
- 5. PROVIDE FUSES AS SPECIFIED BELOW. FUSES SHALL BE INSTALLED SO THAT THE RATING IS CLEARLY VISIBLE WITHOUT REMOVING FUSE. PROVIDE A SPARE FUSE FOR EACH FUSE INSTALLED.
- 6. PROVIDE A NAMEPLATE ON EACH DISCONNECT SWITCH AS SPECIFIED IN "NAMEPLATES".

L. FUSES

- 1. FUSES SHALL BE CLASS "RK-1" REJECTION TYPE. FUSES SERVING MOTOR LOADS SHALL BE DUAL ELEMENT WITH A MINIMUM TIME DELAY OF 10 SECONDS AT 500% RATING. FUSES SHALL BE CURRENT LIMITING TIME DELAY TYPE WITH INTERRUPTING CAPACITY OF 200,000 AMP RMS SYMMETRICAL.
- 2. FUSES SERVING SWITCH OR CIRCUIT BREAKER DISTRIBUTION PANELS, LIGHTING PANEL BOARDS AND OTHER NON - MOTOR LOADS NEED NOT BE TIME DELAY TYPE, BUT SHALL BE CURRENT LIMITING WITH THE INTERRUPTING CAPACITY OF 200,000AMP RMS SYMMETRICAL MINIMUM. FUSES SHALL BE BUSSMAN, GOULD OR LITTELFUSE.
- 3. PROVIDE FUSES SIZED TO THE MAXIMUM SIZE RECOMMENDED BY THE MANUFACTURER OF THE EQUIPMENT OR AS SHOWN ON THE DRAWINGS IF THE MANUFACTURER DOES NOT HAVE A RECOMMENDED SIZE.

PART 3 - EXECUTION

A. GENERAL

- 1. ALL MATERIALS SHALL BE INSTALLED IN A PROFESSIONAL MANNER INDICATIVE OF THE TRADE.
- 2. ALL PENETRATIONS OF THE OUTSIDE WALLS OR ROOF SHALL BE SEALED WITH APPROPRIATE SEALANT OR CAULK FOR THE PARTICULAR SURFACE INVOLVED.
- 3. PROVIDE CLEAR, TYPED, P-TOUCH LABEL FOR ALL RECEPTACLES COVERPLATES IDENTIFYING THE CIRCUIT NUMBER THAT THE RECEPTACLE IS CIRCUITED TO.
- 4. PROVIDE UPDATED TYPED PANEL SCHEDULE INDEX FOR ALL PANELS WHERE CIRCUITS HAVE BEEN MODIFIED OR CHANGED.

B. RACEWAYS

- 1. RACEWAYS SHALL RUN CONCEALED UNLESS OTHERWISE INDICATED. EXPOSED RACEWAY RUNS SHALL BE PARALLEL WITH SUPPORTING WALLS, BEAMS, AND CEILINGS AND WITH EACH OTHER CLOSER THAN 6 INCHES TO ANY WATER PIPE OR HEATER BE INSTALLED AND SHALL NOT FLUME.
- 2. RACEWAY ENDS SHALL BE REAMED AFTER THREADING AND AFTER CUTTING AND BE MADE TO BUTT IN THE
- 3. RACEWAYS SHALL BE INSTALLED AS A COMPLETE SYSTEM, CONTINUOUS FROM OUTLET TO OUTLET, CABINET, BOX OR FITTINGS, AND SHALL BE MECHANICALLY CONNECTED SO THAT ADEQUATE ELECTRICAL CONTINUITY FROM ONE TO ANOTHER IS OBTAINED. CONDUITS SHALL BE SUPPORTED WITH ONE OR TWO HOLE STAMPED STEEL OR MALLEABLE IRON STRAPS (SUCH AS MANUFACTURED BY RACO) DESIGNED FOR SUPPORTING CONDUIT. THE SIZE OF STRAP SHALL MATCH THE SIZE OF THE CONDUIT. NAILS,
- PERFORATED STRAP, OR PLUMBERS TAPE SHALL NOT BE USED FOR SUPPORT OF RACEWAY.

 4. PROVIDE 1/8" POLY PULL CORD IN RACEWAYS WITHOUT CONDUCTORS.
- 4. PROVIDE 1/8" POLY PULL CORD IN RACEWAYS WITHOUT CONDUCTORS.

 5. FOUR 90 DEGREE BENDS MAXIMUM BETWEEN TERMINATIONS OR BOXES.

CENTER OF THE COUPLING. THE USE OF RUNNING THREADS IS PROHIBITED.

C. CONDUCTORS

NEUTRAL

- 1. ALL CONDUCTORS SHALL BE INSTALLED IN CONDUIT AND COLOR CODED AS FOLLOWS:
- PHASE A BLACK BROWN
 PHASE B RED ORANGE
 PHASE C BLUE YELLOW
- 2. MAKE JOINTS, SPLICES, TAPS AND CONNECTIONS IN CONDUCTORS WITH SOLDERLESS CONNECTORS.

WHITE

GREEN

D. JUNCTION AND PULL BOXES

1. PULL BOXES SHALL BE PROVIDED WHERE INDICATED AND WHERE NECESSARY TO FACILITATE THE PULLING OF CONDUCTORS. TELEPHONE RACEWAYS SHALL HAVE A MAXIMUM OF TWO 90 DEGREE BENDS BETWEEN TERMINATIONS OR BOXES.

GROUNDING. MAKE GOOD CONTACT AT ALL PANEL BOARDS, OUTLET BOXES, AND JUNCTION OR PULL

E. GROUNDING

BOXES TO THE RACEWAY SYSTEM. USE APPROVED BONDING MATERIALS.

1. INSTALL A CODE SIZED GROUNDING CONDUCTOR IN ALL RACEWAYS. DO NOT USE THE RACEWAY FOR

1. BOND ALL PIPING (GAS WATER, ETC) AS REQUIRED BY THE NEC. CONFIRM SYSTEMS TO BE USED WITH MC.

H. SEISMIC REQUIREMENTS

1. IF REQUIRED, RECESSED TYPE LIGHTING FIXTURES, IN ADDITION TO THE STANDARD SEISMIC CLIPS AND SUPPORT ON T-BAR GRID SYSTEM, SHALL HAVE 2#12 STEEL SAFETY WIRES PER FIXTURE. ONE END OF EACH SAFETY WIRE SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE. THE OTHER END (6 INCHES LONGER THAN THE T-BAR GRID SUPPORT WIRES) SHALL BE FASTENED TO DIAGONAL CORNERS OF

L OUTTING AND DATOUR

EACH LIGHTING FIXTURE

DRILLING, OR CORING.

I. CUTTING AND PATCHING

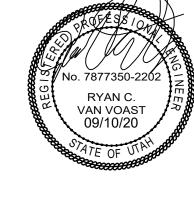
1. PERFORM DRILLING, CUTTING, AND PATCHING OF THE GENERAL CONSTRUCTION WORK WHETHER EXISTING OR NEW, AS REQUIRED FOR THE INSTALLATION OF ELECTRICAL WORK. PATCH WITH THE SAME MATERIALS, WORKMANSHIP, AND FINISH AS THE ORIGINAL WORK AND ACCURATELY MATCH ALL SURROUNDING WORK. SUCH WORK WILL BE DONE BY A CRAFTSMAN ACCREDITED IN THE APPLICABLE TRADE UNDER THE CONTRACTOR'S SUPERVISION AND BE ACCEPTABLE TO THE OWNER'S REPRESENTATIVE. COORDINATE WITH OTHER TRADES AND GENERAL CONTRACTOR PRIOR TO CUTTING.

K. TESTING

- 1. DEMONSTRATE THAT ALL COMPONENTS OF THE WORK OF THIS DIVISION HAVE BEEN PROVIDED AND THAT
- THEY OPERATE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

 2. TEST WIRING AND CONNECTORS FOR CONTINUITY, SHORT CIRCUITS AND IMPROPER GROUNDS. TEST EACH LIGHTING AND APPLIANCE PANEL WITH MAINS DISCONNECTED FROM FEEDERS, BRANCHES CONNECTED, WALL SWITCHES CLOSED AND FIXTURES PERMANENTLY CONNECTED AND COMPLETE WITH LAMPS. TEST
- EACH INDIVIDUAL POWER CIRCUIT WITH THE POWER EQUIPMENT CONNECTED FOR PROPER OPERATION.

 3. PROVIDE DETAILED DOCUMENTATION OF EACH TEST PERFORMED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE, WITH THE NAMES AND THE SIGNATURES OF QUALIFIED INDIVIDUALS WHO CONDUCTED AND WITNESSED EACH TEST.



design

350 SOUTH 200 EAST, #106 SALT LAKE CITY, UTAH 84111

> P: 801.596.0691 DESIGNUTAH.COM



WWW.VBFA.COM

181 East 5600 South

Murray, UT 84107

801.530.3148 T

801.530.3150 F

SANTAQUIN CITY PAD 'C'

400 EAST MAIN STREET SANTAQUIN, UTAH

| MARK | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

09/10/2020

PERMIT SET

AGENCY PROJECT NO:

DESIGN SEQUENCE PROJECT NO:

CAD DWG FILE NO:

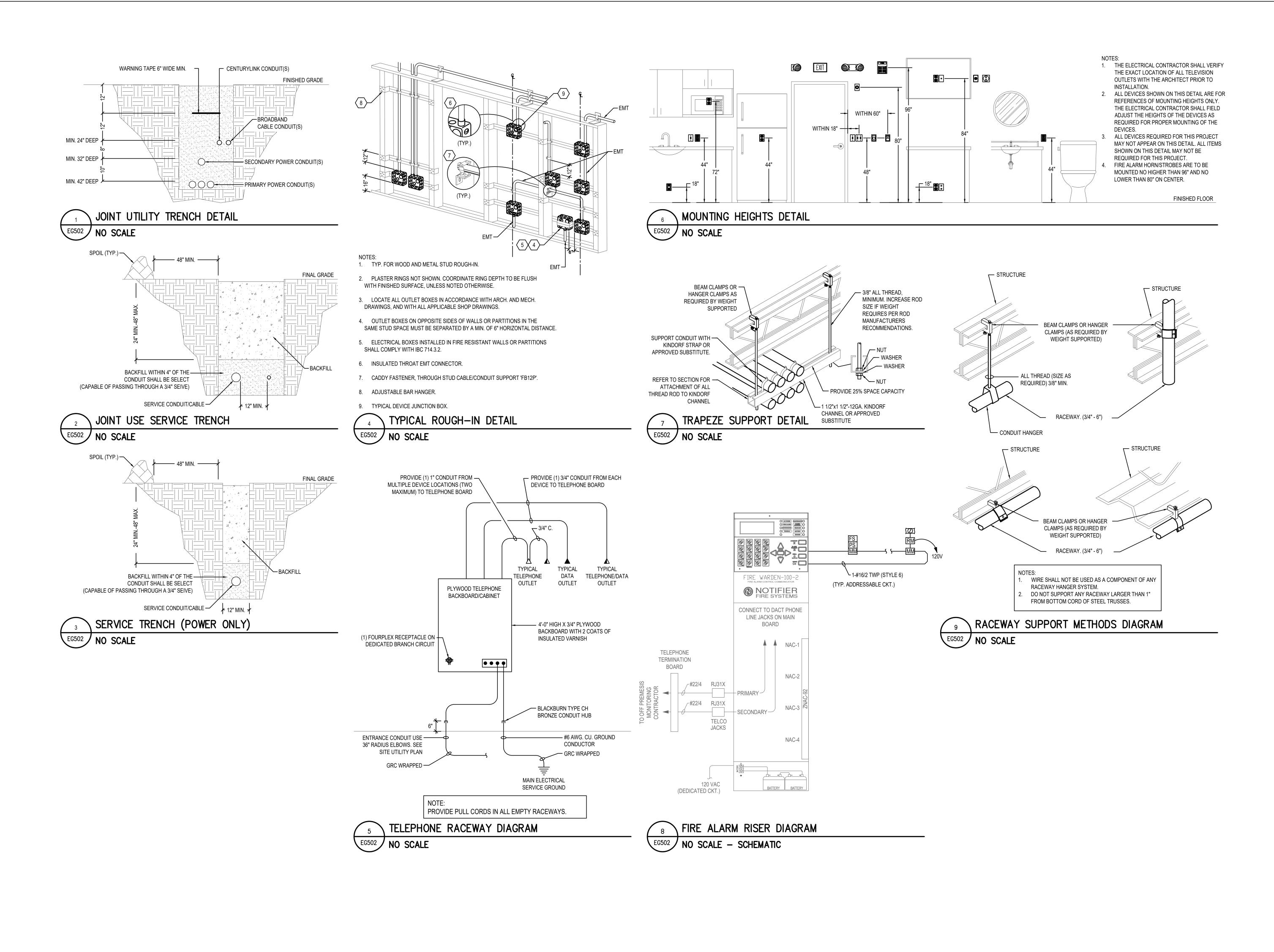
DRAWN BY:

ARCHITECTURAL PHASE:

SHEET TITLE

DESIGNED BY:
DWG TYPE:

ELECTRICAL SPECIFICATIONS



design

Sequence
350 South 200 East, #106
SALT LAKE CITY, UTAH 84111
P: 801.596.0691
DESIGNUTAH.COM





WWW.VBFA.COM

181 East 5600 South

Murray, UT 84107

801.530.3148 T

801.530.3150 F

SANTAQUIN CITY PAD 'C'

> 400 EAST MAIN STREET SANTAQUIN, UTAH

MARK DATE DESCRIPTION

| DATE: | | | | 09/10/2020 |
|---------|------------|---------|-----|------------|
| AGENCY | PROJECT | N0: | | 20294 |
| DESIGN | SEQUENCE | PROJECT | NO: | 1708.01 |
| CAD DW | G FILE NO: | | | |
| | | | | |
| DRAWN | BY: | | | AMC |
| DESIGNE | D RY· | | | KMC |

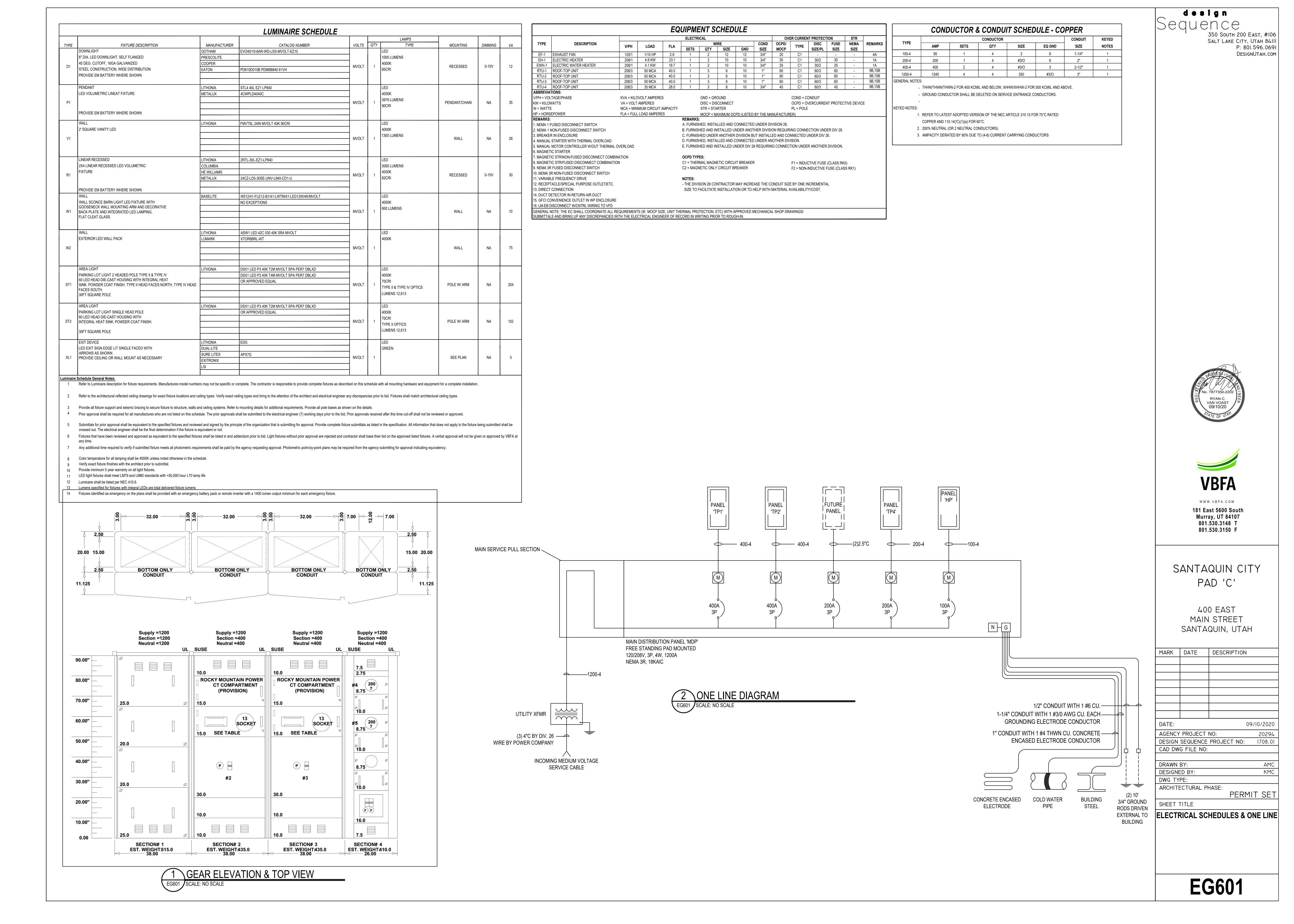
DWG TYPE:

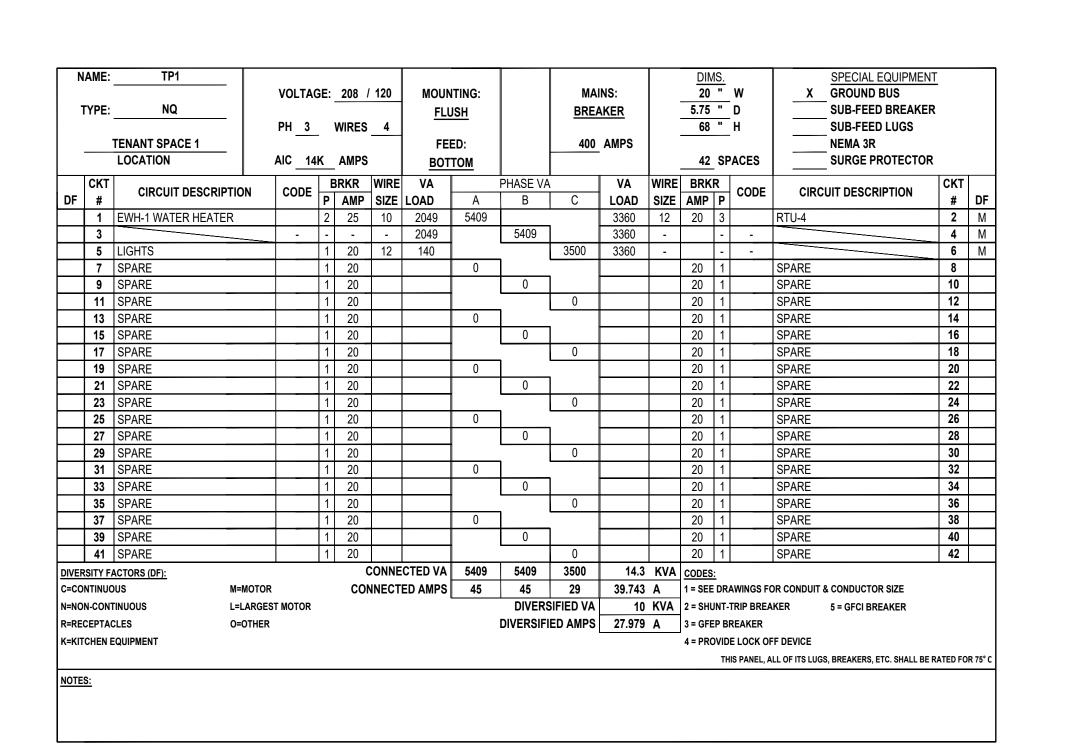
ARCHITECTURAL PHASE:

PERMIT SET

SHEET TITLE

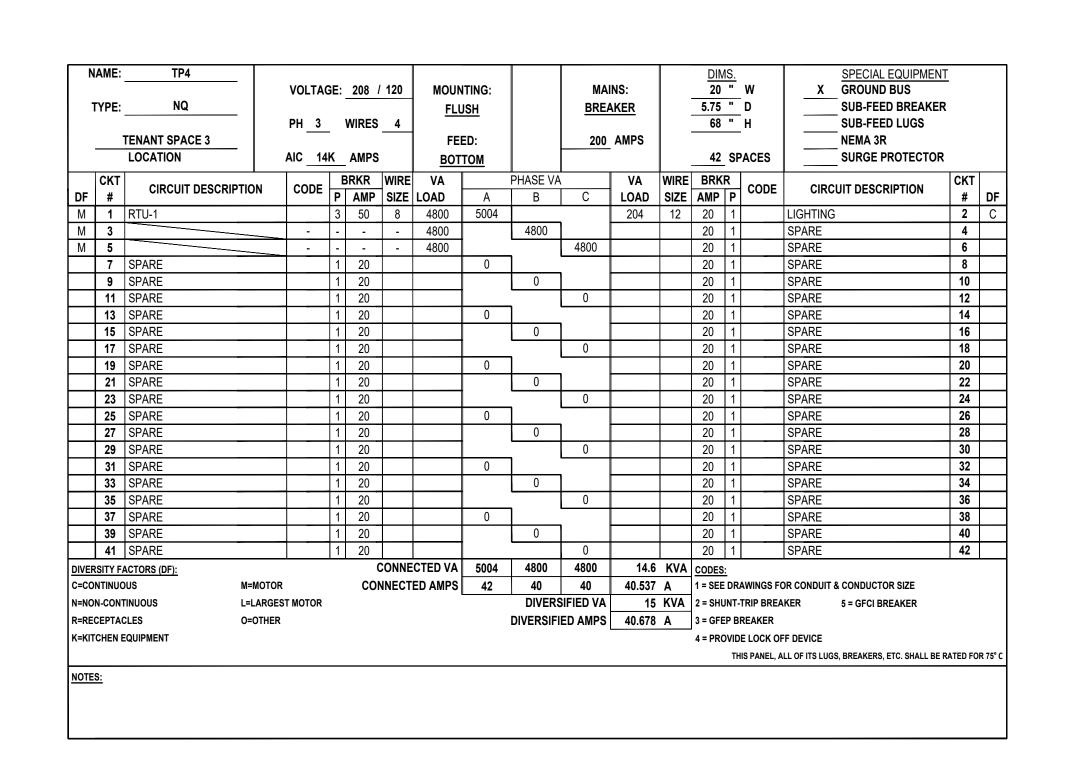
ELECTRICAL DETAILS





| | ME: | HP NQ | VOLTAG | GE: | 208 / | 120 | MOUN | | | MAI LUGS | | | 20 | MS.) " | - | X SPECIAL EQUIPMEN GROUND BUS SUB-FEED BREAKER | _ | |
|----------------------|----------|----------------------|---------------|----------|-------|--------------|------------|------------|--|-------------|------------|--------------|------------|------------|--|--|----------|---------|
| _ | F | FIRE RISER ROOM | PH <u>3</u> | - | WIRES | 4 | FLU FEI | ED: | | | AMPS | - | 68 | 3 " | Н | SUB-FEED LUGS NEMA 3R | | |
| | | LOCATION | AIC 14 | K | _ | | BOT | TOM_ | | | | | | | PACES | SURGE PROTECTOR | | |
| DF | CKT # | CIRCUIT DESCRIPTION | CODE | P | | WIRE SIZE | VA LOAD | A | PHASE VA | С | VA LOAD | WIRE SIZE | BRI AMP | | CODE | CIRCUIT DESCRIPTION | CKT # | DF |
| | 1 | SPARE | | 1 | 0 | | | 516 | | | 516 | 12 | 20 | 1 | | EXTERIOR LIGHTS | 2 | С |
| С | 3 | PARKING LOT LIGHTING | | 1 | 20 | 8 | 306 | | 806 | | 500 | 12 | 20 | 1 | 3 | HEAT TRACE | 4 | С |
| R | 5 | TTB RECEPTACLE | | 1 | 20 | 12 | 360 | | | 860 | 500 | 12 | 20 | 1 | 3 | HEAT TRACE | 6 | С |
| | 7 | SPARE | | 1 | 20 | | | 0 | <u>l </u> | | | | 0 | 1 | | SPARE | 8 | |
| | 9 | SPARE | | 1 | 20 | | | | 360 | | 360 | 12 | 20 | 1 | | DATA RECEPTACLE | 10 | R |
| | 11 | SPARE | _ | 1 | 20 | | | | | 200 | 200 | 12 | 20 | 1 | | PHOTOCELL | 12 | R |
| R | 13 | RR RECEPTACLE | | 1 | 20 | 12 | 180 | 720 | 7 - | | 540 | 12 | 20 | 1 | | ROOFTOP RECEPTACLE | 14 | R |
| С | 15 | RR LIGHTS | | 1 | 20 | 12 | 20 | | 20 | | | | 20 | 1 | | SPARE | 16 | М |
| | 17 | SPARE | | 1 | 20 | | | | | 0 | | | 20 | 1 | | SPARE | 18 | М |
| | 19 | SPARE | | 1 | 20 | | | 0 | ר ר | | | | 20 | 1 | | SPARE | 20 | М |
| | 21 | SPARE | | 1 | 20 | | | | 2400 | | 2400 | 12 | 20 | 2 | | EH-1 HEATER | 22 | С |
| N | 23 | FIRE ALARM FLOW BELL | _ | 1 | 20 | 12 | 100 | | | 100 | | | | | | | 24 | С |
| | 25 | SPARE | | 1 | 20 | | | 100 | ן ' | | 100 | 12 | 20 | 1 | | FACP | 26 | С |
| | 27 | SPARE | | 1 | 20 | | | | 100 | | 100 | 12 | 20 | 1 | | DUCT DETECTOR RELAY | 28 | С |
| | 29 | SPARE | | 1 | 20 | | | | | 0 | | | 20 | 1 | | SPARE | 30 | |
| | 31 | SPARE | | 1 | 20 | | | 0 | ן ' | - | | | 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 | 7 - | - | | | 20 | 1 | | SPARE | 38 | |
| _ | _ | SPARE | | 1 | 20 | | | | 0 | ł | | | 20 | 1 | | SPARE | 40 | |
| | | SPARE | | 1 | 20 | | | | | 0 | | \dagger | 20 | 1 | | SPARE | 42 | |
| IVER | | ACTORS (DF): | | <u> </u> | | ONNF | CTED VA | 1336 | 3686 | 1160 | 6.2 | KVA | CODE | · · | <u> </u> | _ =: · · · · = | | |
| | TINUO | | TOR | | | | ED AMPS | 11 | 31 | 10 | 17.16 | | | _ | AWINGS F | OR CONDUIT & CONDUCTOR SIZE | | |
| | | | RGEST MOTOR | | 551 | | , 0 | <u>'''</u> | | FIED VA | | | | | TRIP BREA | | | |
| | EPTAC | | | | | | | | DIVERSIFIE | | 20.242 | | | | REAKER | WELL V - OF OF DIVENIEN | | |
| | | QUIPMENT | 1 L (\ | | | | | | PIAFUOILIE | L AINTO | 20.242 | | | | | EE DEVICE | | |
| \- \ | HEN E | :QUITIVIEN I | | | | | | | | | | | 4 = PF | | | FF DEVICE | DATES 5- | D 7=0 - |
| | | | | | | | | | | | | | | II- | 115 PANEL, A | LLL OF ITS LUGS, BREAKERS, ETC. SHALL BE | KAIED FO | rk /5°C |
| IOTES | <u>:</u> | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

| | IAME: | | VOLTAC PH <u>3</u> AIC 14 | _ | WIRES | 4 | MOUN <u>Flu</u> Fei Bot | I <u>SH</u> ED: | | MAII BREA 400 | | | DIM 20 5.75 68 | " | D | X GROUND BUS SUB-FEED BREAKE SUB-FEED LUGS NEMA 3R SURGE PROTECTOR | R | |
|------|--------|---------------------|---------------------------------|----------|-------|-------|----------------------------------|--------------------|-------------------|---------------------|--------|------|-------------------------|--|-------------|--|--------|-----|
| | СКТ | | | E | BRKR | WIRE | | | PHASE VA | | VA | WIRE | BRKI | R | | | СКТ | г |
| DF | # | CIRCUIT DESCRIPTION | CODE | P | AMP | | LOAD | Α | В | С | LOAD | SIZE | AMP | | CODE | CIRCUIT DESCRIPTION | # | |
| М | 1 | RTU-2 | | 3 | 50 | 8 | 4800 | 5140 | | | 340 | 12 | 20 | 1 | | LIGHTS | 2 | (|
| М | 3 | | | - | - | - | 4800 | | 4800 | | | | 20 | 1 | | SPARE | 4 | |
| М | 5 | | _ | - | - | - | 4800 | | | 4800 | | | 20 | 1 | | SPARE | 6 | |
| М | 7 | RTU-3 | | 3 | 50 | 8 | 4800 | 4800 | <u> </u> | | | | 20 | 1 | | SPARE | 8 | |
| М | 9 | | | - | - | - | 4800 | | 4800 | | | | 20 | 1 | | SPARE | 10 | |
| М | 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 | 7 ' | | | | 20 | 1 | | SPARE | 26 | |
| | 27 | SPARE | | 1 | 20 | | | | 0 | | | | 20 | 1 | | SPARE | 28 | |
| | 29 | SPARE | | 1 | 20 | | | | | 0 | | | 20 | 1 | | SPARE | 30 | T |
| | 31 | SPARE | | 1 | 20 | | | 0 | 7 ' | | | | 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 | 7 ' | | | | 20 | 1 | | SPARE | 38 | |
| | 39 | SPARE | | 1 | 20 | | | - | 0 | ľ | | | 20 | 1 | | SPARE | 40 | _ |
| _ | | SPARE | | 1 | 20 | | | | | 0 | | | 20 | 1 | | SPARE | 42 | _ |
| IVFR | | ACTORS (DF): | | <u> </u> | | CONNE | CTED VA | 9940 | 9600 | 9600 | 29.1 | KVA | CODES | <u>. </u> | | <u> </u> | | |
| | NTINUC | | OR | | | | ED AMPS | 83 | 80 | 80 | 80.885 | | | | | | | |
| | | | EST MOTOR | | J • | | | | | IFIED VA | | | | | TRIP BREA | | | |
| | CEPTAG | | | | | | | | DIVERSIFIE | <u> -</u> | 81.12 | | 3 = GFE | | | | | |
| | | EQUIPMENT | = | | | | | | 2. V = 1. O 11 | , 0 | V1.12 | ,, | J | | E LOCK OF | F DEVICE | | |
| | OHEN | EQUI MENT | | | | | | | | | | | 4-11C | | | | DATEDE | OB. |
| | | | | | | | | | | | | | | ın | IO FANEL, A | LL OF ITS LUGS, BREAKERS, ETC. SHALL BE | NATEDE | UK |









801.530.3148 T

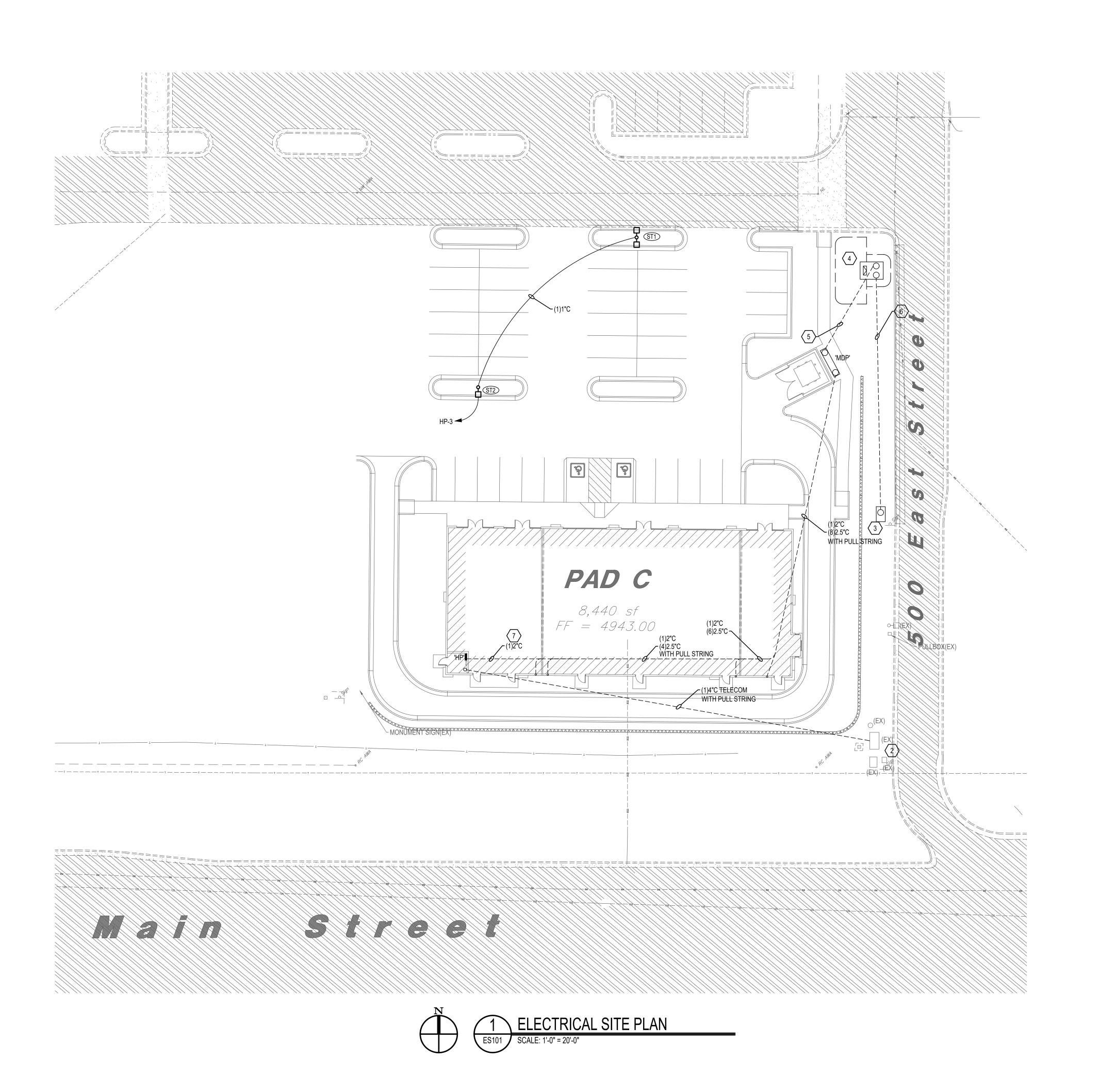
801.530.3150 F

SANTAQUIN CITY PAD 'C'

> 400 EAST MAIN STREET SANTAQUIN, UTAH

MARK DATE DESCRIPTION

| DATE: | | 0 | 9/10/2020 | | | | | |
|-------------------------------------|--------|------|-----------|--|--|--|--|--|
| AGENCY PROJECT NO: 20294 | | | | | | | | |
| DESIGN SEQUENCE PROJECT NO: 1708.01 | | | | | | | | |
| CAD DWG FILE NO: | | | | | | | | |
| | | | | | | | | |
| DRAWN | BY: | | AMC | | | | | |
| DESIGNE | ED BY: | | KMC | | | | | |
| DWG TYPE: | | | | | | | | |
| ARCHITECTURAL PHASE: | | | | | | | | |
| | | PERM | 1IT SET | | | | | |
| SHEET TITLE | | | | | | | | |
| ELECTRICAL PANEL SCHEDULES | | | | | | | | |



KEYED NOTES

- PROPOSED LOCATION OF CONCRETE PAD MOUNTED MAIN SERVICE DISCONNECT AND DISTRIBUTION BOARD 'MDP' WITH INTEGRAL
- METERS FOR EACH SPACE.
- LOCATION OF EXISTING CENTURY LINK IN-GRADE PULLBOX.
 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.
- SEE ONE-LINE DIAGRAM SHEET EG601 FOR CONDUIT SIZE AND QUANTITY. EC SHALL BE RESPONSIBLE FOR ALL TRENCHING, INSTALLATION OF CONDUIT AND WIRE AND BACKFILL.
- EC SHALL TRENCH, PROVIDE AND INSTALL (3)4"C WITH PULL STRING AND BACKFILL. CONDUCTORS BY POWER COMPANY.



design

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





801.530.3150 F

SANTAQUIN CITY PAD 'C'

> 400 EAST MAIN STREET SANTAQUIN, UTAH

| DATE: | 09/10/202 | | |
|--------|-----------|--|--|
| AGENCY | 2029 | | |
| DESIGN | 1708.0 | | |

MARK DATE DESCRIPTION

DESIGN SEQUENCE PROJECT NO: 1708.0

CAD DWG FILE NO:

DRAWN BY:

AMO

DESIGNED BY: KMC

DWG TYPE:

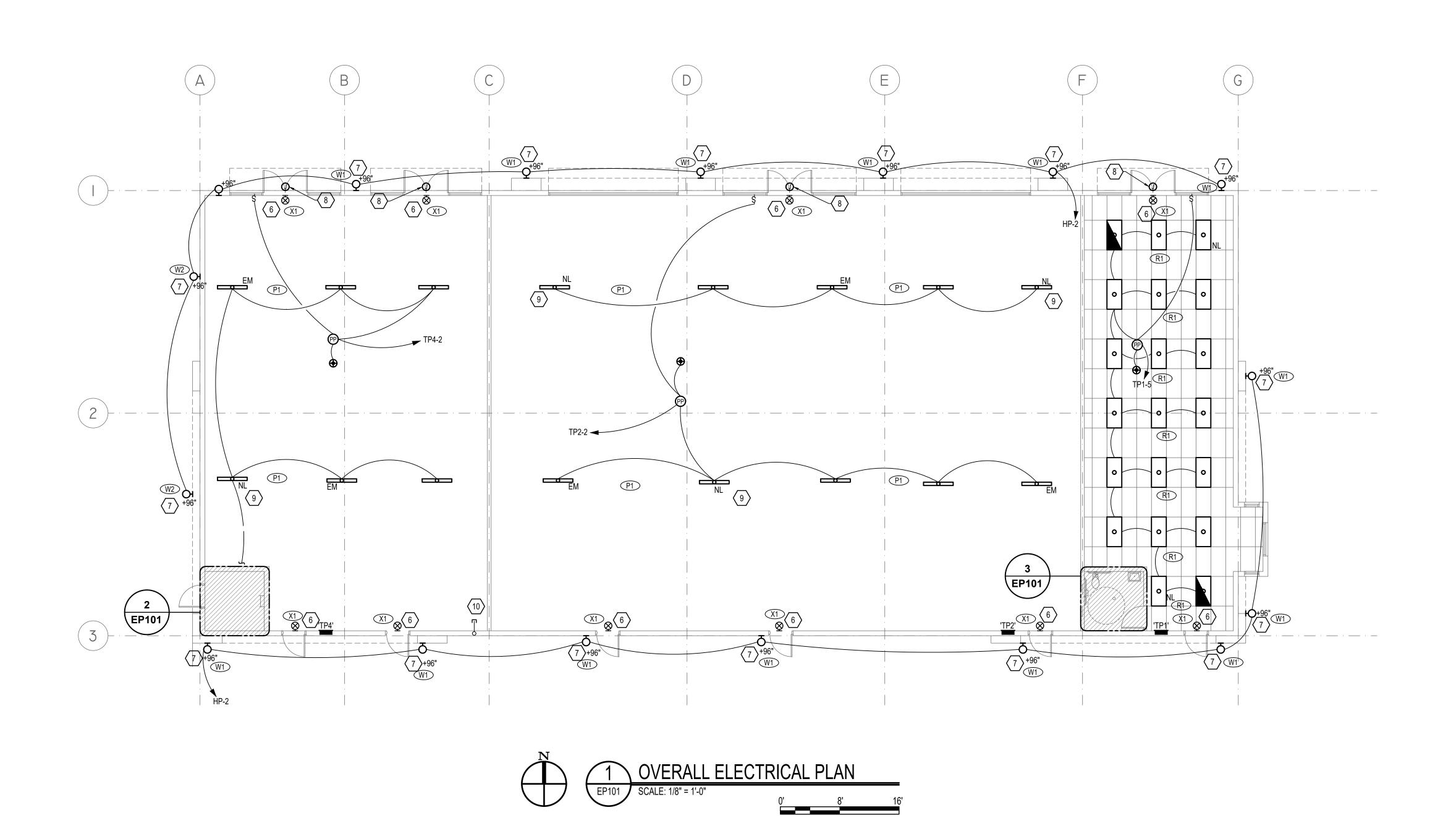
ARCHITECTURAL PHASE:

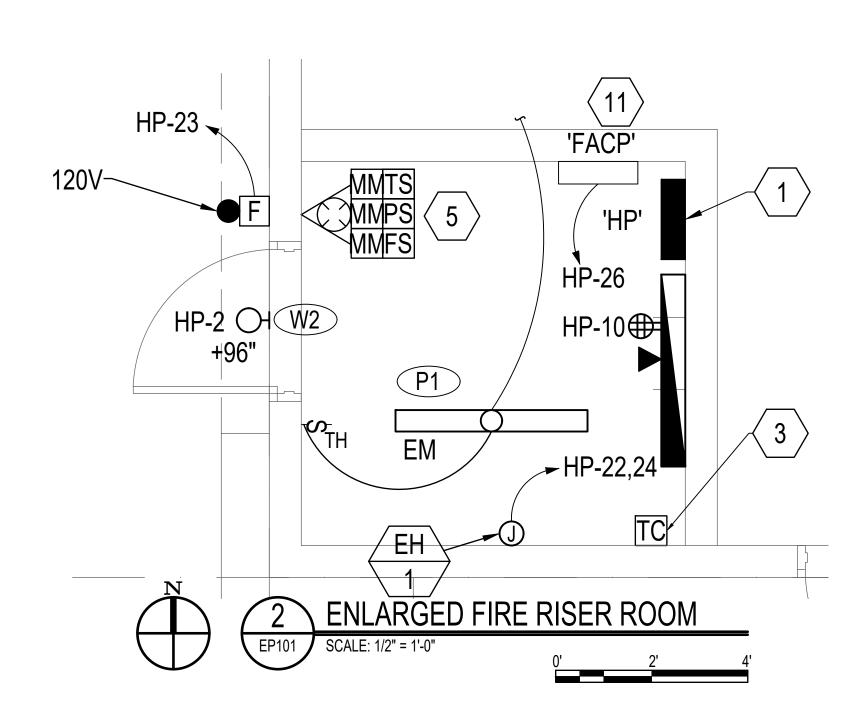
PERMIT SET

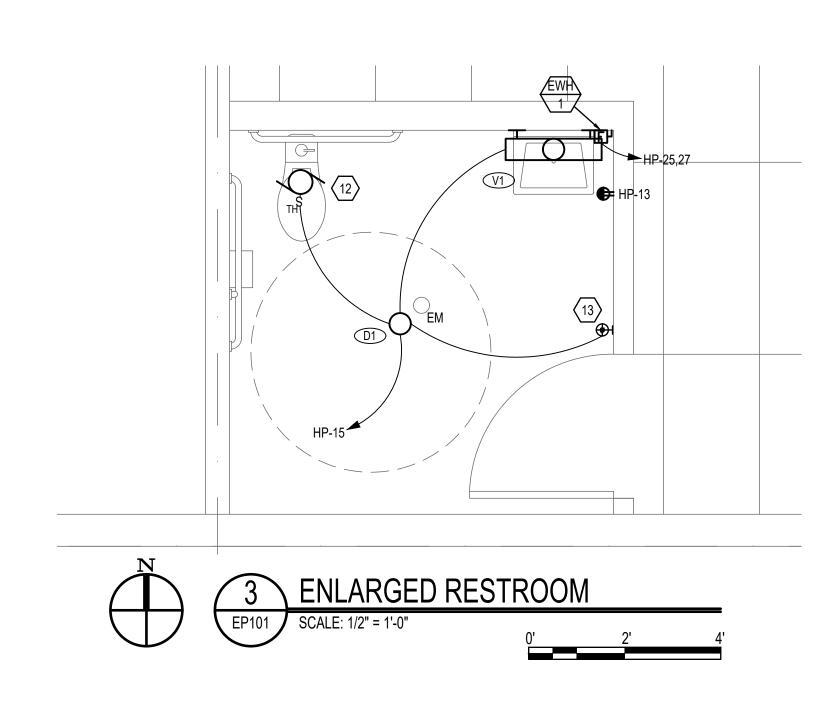
SHEET TITLE

ELECTRICAL SITE PLAN

ES101







KEYED NOTES

- 1. PROPOSED LOCATION OF HOUSE PANEL.
- 2. EC SHALL STUB CONDUIT FROM INDIVIDUAL METER AND BREAKER SECTION INTO EACH SPACE AS SHOWN FOR FUTURE TENANT IMPROVEMENT BUILD-OUT.
- 3. PROVIDE AND INSTALL A 7-DAY PROGRAMMABLE TIME CLOCK TO CONTROL THE EXTERIOR LIGHTING THROUGH THE PHOTOCELL ON
- 4. PROVIDE AND INSTALL A FIRE ALARM FLOW BELL ON EXTERIOR OF BUILDING
- EC SHALL COORDINATE WITH MECHANICAL AND FIRE SPRINKLER CONTRACTOR FOR EXACT LOCATION OF FIRE RISER. PROVIDE ALL REQUIRED MONITOR MODULES, FLOW, TAMPER, AND PRESSURE SWITCHES REQUIRED.
- 6. PROVIDE AN UNSWITCHED HOT CONDUCTOR TO EXIT SIGN.
- COORDINATE EXACT HEIGHT OF ALL EXTERIOR LIGHTING WITH ARCHITECT PRIOR TO ROUGH IN.
- 8. PROVIDE AND INSTALL A J-BOX ON EXTERIOR OF BUILDING FOR FUTURE SIGNAGE WITH (1)3/4"C STUBBED INTO SPACE.
- 9. THIS LIGHT SHALL BE WIRED AS NIGHT LIGHT FOR CONSTANT ON.
 10. STUB (1)2"C INTO SPACE FROM METER LOCATION FOR FUTURE

ELECTRICAL SERVICE TO SPACE. CONDUIT SHALL BE STUBBED IN WALL AND EXTEND TO ABOVE CEILING SPACE. STUB CONDUIT OUT

- 2FT FROM WALL ABOVE CEILING. LABEL FOR USE.

 11. PROVIDE A BASIC FIRE ALARM CONTROL PANEL TO MONITOR THE FLOW, TAMPER SWITCHES AND DUCT DETECTORS REQUIRED ON
- 12. RESTROOM EXHAUST FAN. EC SHALL TIE INTO LIGHTING CIRCUIT AND CONTROL.
- 13. 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 AN ADJUSTABLE 30 MINUTE MAXIMUM TIME DELAY AFTER LIGHTS TURN OFF. SET INITIAL TIME DELAY FOR LIGHTS TO BE 15 MINUTE MINIMUM. SET TIME DELAYS PER OWNER'S REQUIREMENTS.



design

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





WWW.VBFA.COM

181 East 5600 South

Murray, UT 84107

801.530.3148 T

801.530.3150 F

SANTAQUIN CITY PAD 'C'

> 400 EAST MAIN STREET SANTAQUIN, UTAH

| DATE: | | | | 09/10/202 | | | | | |
|-------------------------------|------|--|--|-----------|--|--|--|--|--|
| AGENCY | 2029 | | | | | | | | |
| DESIGN SEQUENCE PROJECT NO: 1 | | | | | | | | | |

MARK DATE DESCRIPTION

DRAWN BY:

DESIGNED BY:

DWG TYPE:

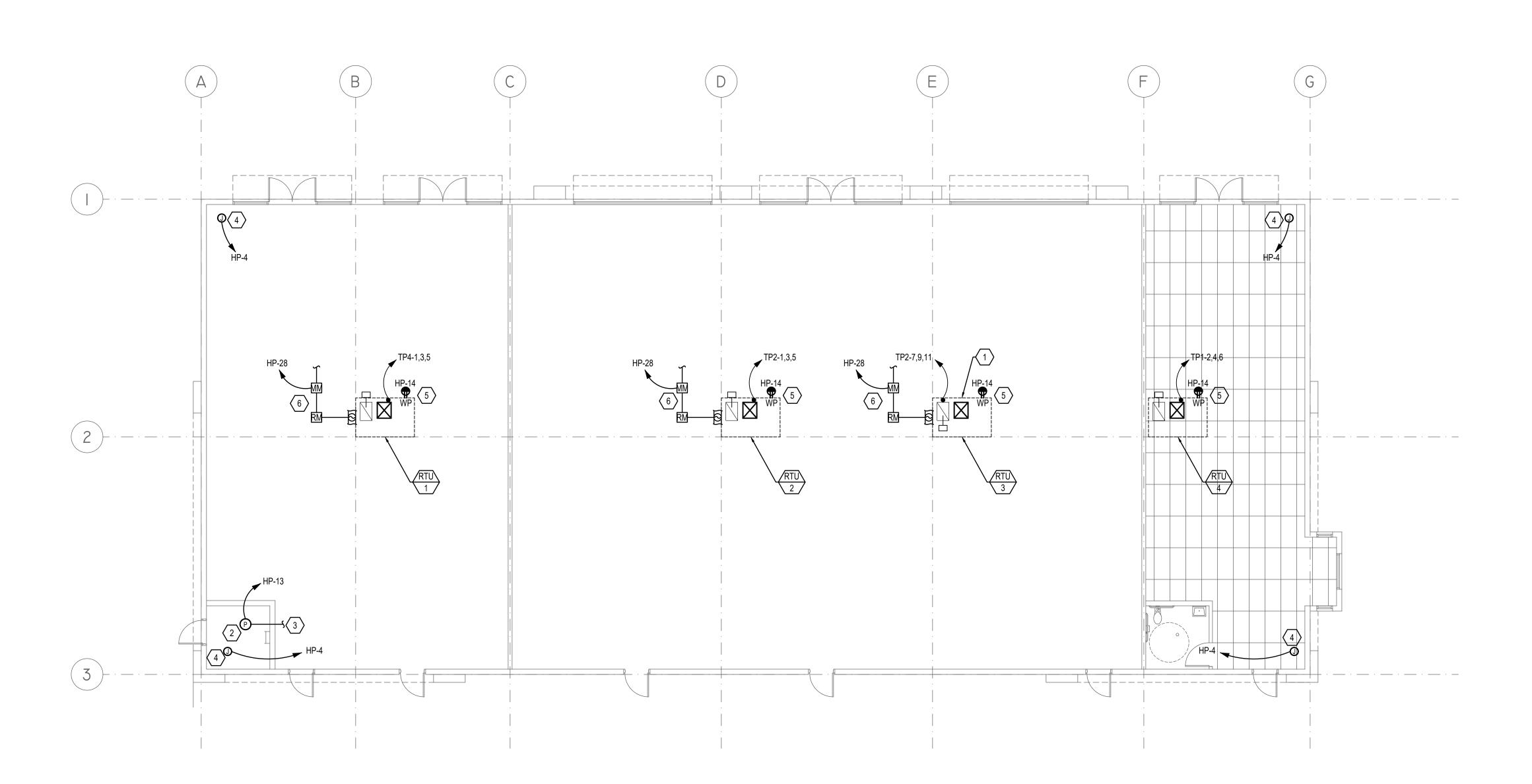
AMC

PERMIT SET

ARCHITECTURAL PHASE:

OVERALL ELECTRICAL PLAN

EP101



KEYED NOTES

 ROOF TOP UNIT FOR FUTURE TENANT. THIS UNIT WILL BE PROVIDED WITH POWER WHEN THE TENANT IMPROVEMENT IN DESIGNED. EC SHALL PROVIDE (1)3/4"C FROM RTU FACTORY DISCONNECT AND

- STUB DOWN INTO SPACE FOR FUTURE WIRING. 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.

design Sequence
350 South 200 East, #106 SALT LAKE CITY, UTAH 84111

P: 801.596.0691 DESIGNUTAH.COM





SANTAQUIN CITY PAD 'C'

400 EAST MAIN STREET SANTAQUIN, UTAH

MARK DATE DESCRIPTION

| DATE: | | 09/10/202 |
|--------|------|-----------|
| AGENCY | 2029 | |

AMC

DESIGN SEQUENCE PROJECT NO: 1708.01 CAD DWG FILE NO:

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

SHEET TITLE

ELECTRICAL ROOF PLAN

EP102