



0 2000' 4000'



NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

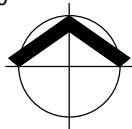
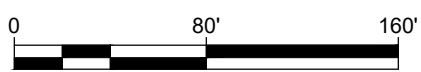


Figure 1 Site Vicinity Map

Bridgeport Elementary Greenhouse Project
Tualatin, Oregon



NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

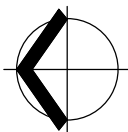
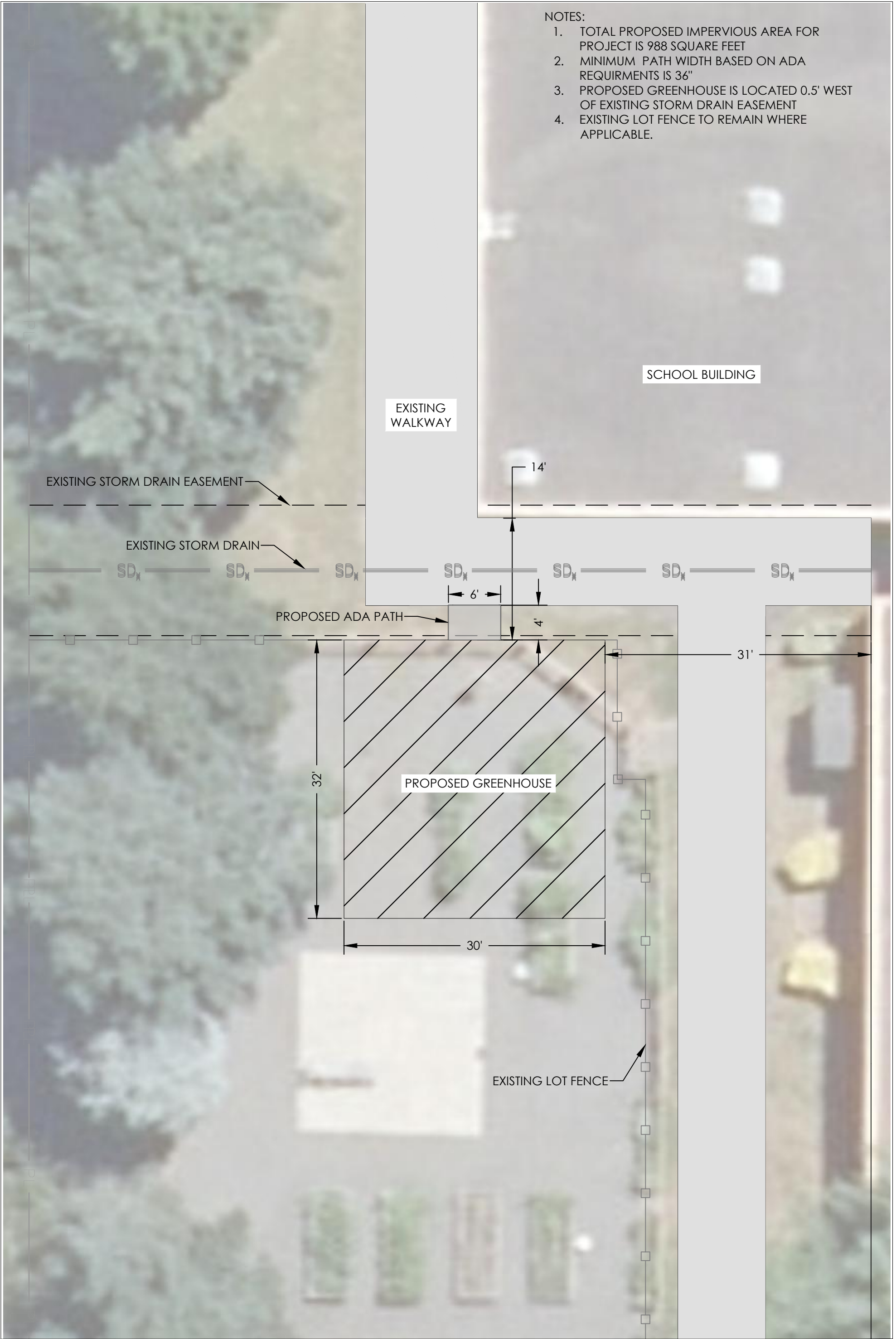


Figure 2 Site Location

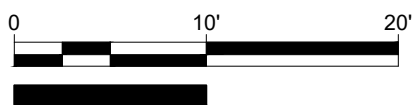
Bridgeport Elementary Greenhouse Project
Tualatin, Oregon

NOTES:

- 1. TOTAL PROPOSED IMPERVIOUS AREA FOR PROJECT IS 988 SQUARE FEET
- 2. MINIMUM PATH WIDTH BASED ON ADA REQUIRMENTS IS 36"
- 3. PROPOSED GREENHOUSE IS LOCATED 0.5' WEST OF EXISTING STORM DRAIN EASEMENT
- 4. EXISTING LOT FENCE TO REMAIN WHERE APPLICABLE.



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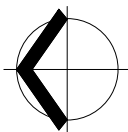
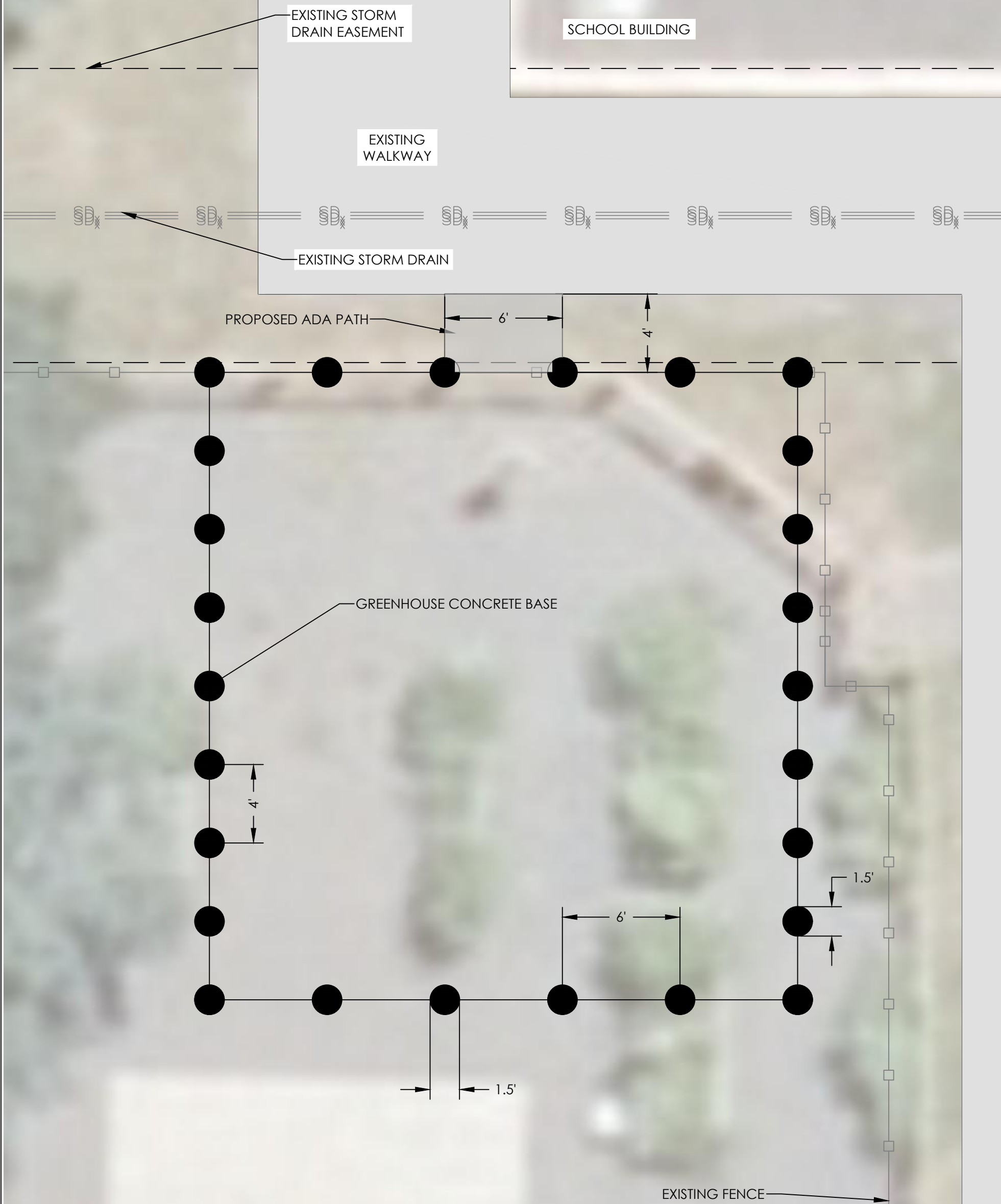


Figure 3
Preliminary Site Layout
Bridgeport Elementary Greenhouse Project
Tualatin, Oregon

NOTES:

1. CONCRETE BASE FOOTINGS FOR PROPOSED GREENHOUSE ARE 18" IN DIAMETER, EQUATING TO AN IMPACT AREA OF 1.77 SQUARE FEET PER FOOTING.
2. CONCRETE BASE FOOTINGS ARE SPACED 6' ON CENTER FROM NORTH TO SOUTH AND 4' ON CENTER FROM EAST TO WEST.
3. THE TOTAL IMPACTED AREA INCLUDING THE PROPOSED ADA PATH IS 74 SQUARE FEET.



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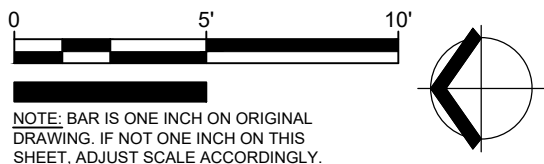
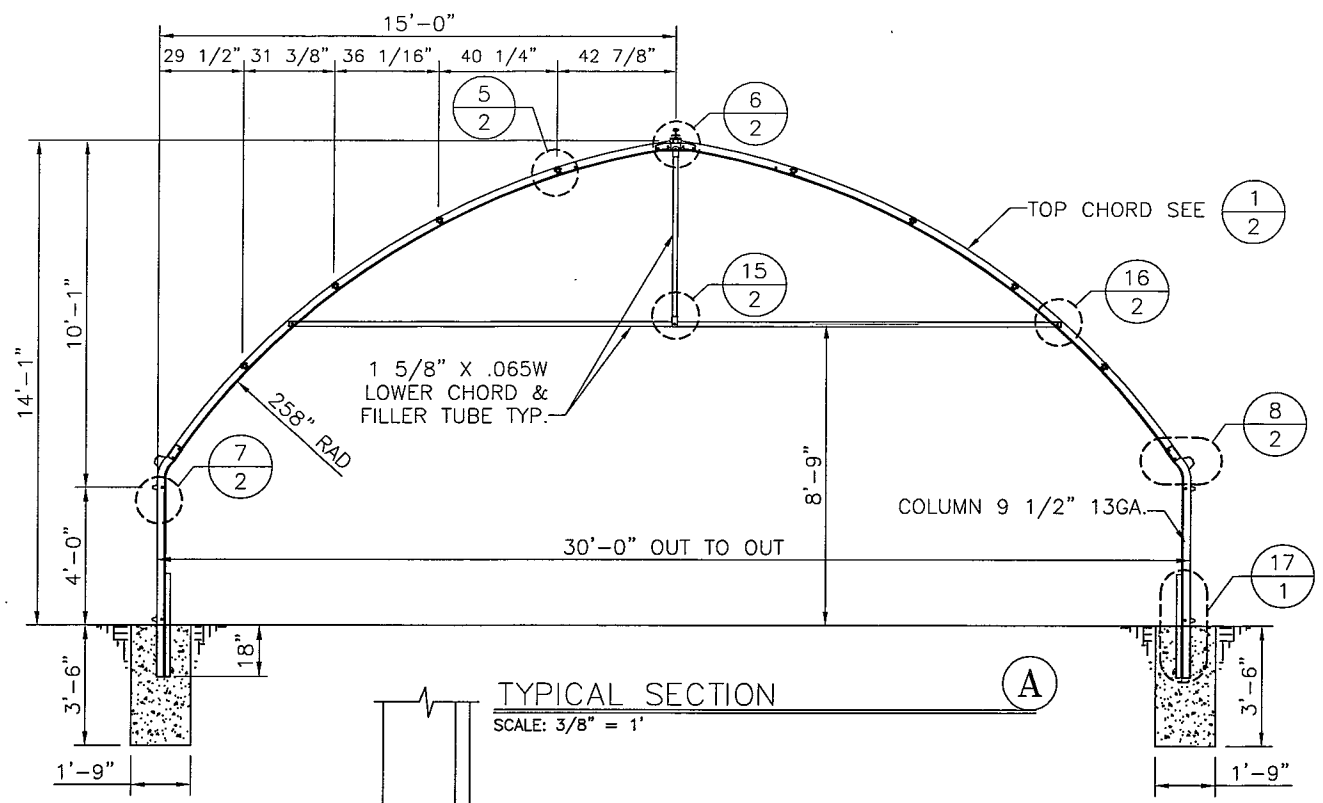
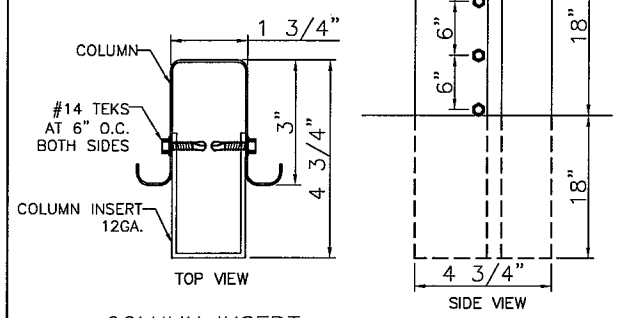


Figure 4
Proposed Impact Area
 Bridgeport Elementary Greenhouse Project
 Tualatin, Oregon

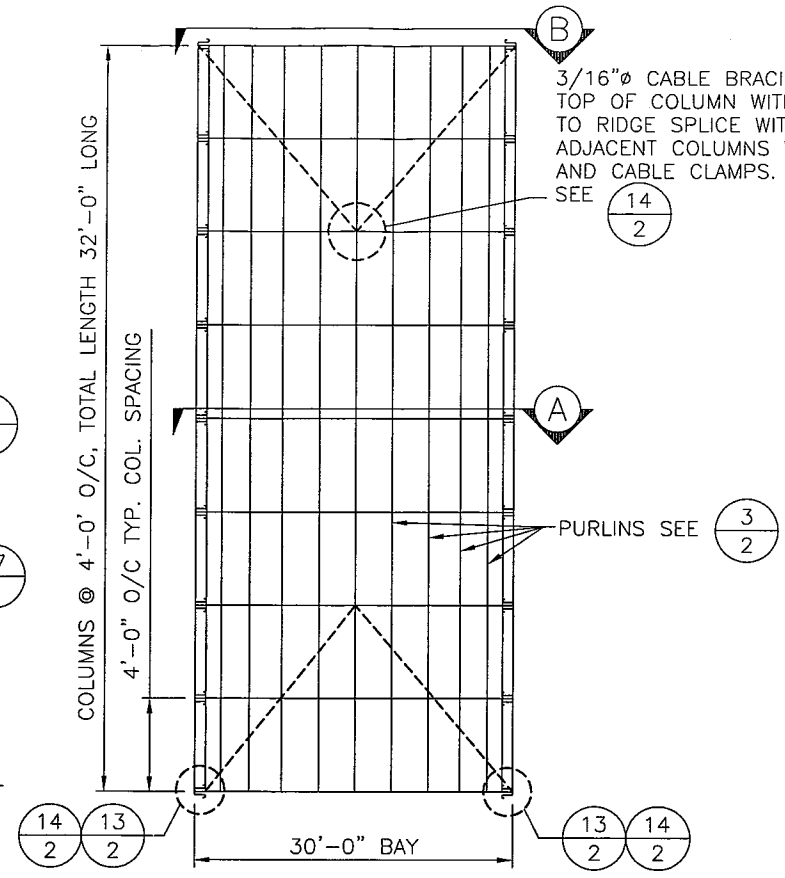
04/29/20 (U) ENGINEERD.2000 SERIES DE380284.DWG



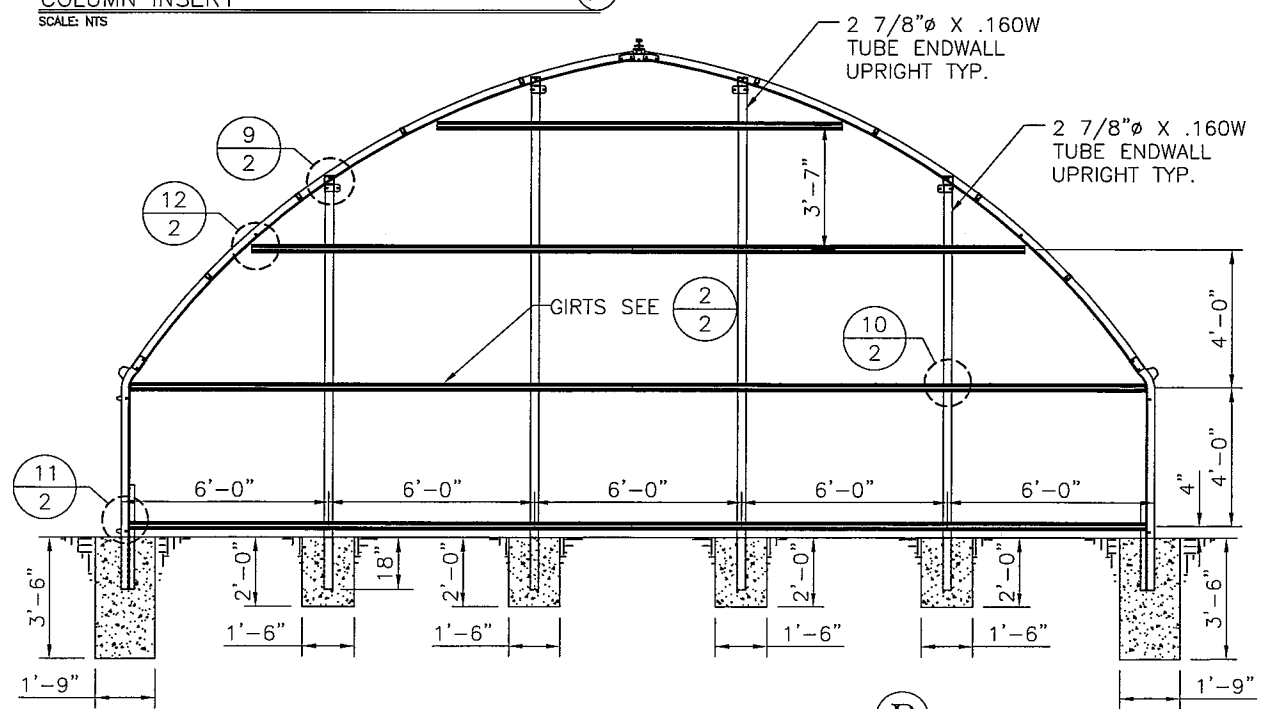
TYPICAL SECTION
SCALE: 3/8" = 1'



COLUMN INSERT
SCALE: NTS



TYPICAL PLAN VIEW
SCALE: NTS



TYPICAL ENDWALL
SCALE: 3/8" = 1'

CONCRETE NOTES:

- ALL CONCRETE SHALL WITHSTAND 2500 LBS. PER SQUARE INCH ULTIMATE COMPRESSIVE STRESS AT 28 DAYS.
- CONTRACTOR SHALL INFORM CONLEY'S MANUFACTURING & SALES OF ANY DISCREPANCIES, OMISSIONS, OR ERRORS ON THE PLANS BEFORE BEGINNING CONSTRUCTION, OTHERWISE, IT SHALL BE DONE AS INTENDED BY THE ENGINEER.
- THE ENGINEER AND/OR CONLEY'S MANUFACTURING & SALES ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION SUPERVISION OR DEVIATION FROM THESE PLANS WITHOUT PRIOR WRITTEN APPROVAL.
- ALL CONSTRUCTION SHALL COMPLY WITH THE I.B.C. LATEST EDITION AS AMENDED BY THE LOCAL AGENCY HAVING JURISDICTION.
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS ON DRAWINGS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- ANY ENGINEERING DESIGN PROVIDED BY OTHERS MUST BE SUBMITTED FOR REVIEW AND SHALL BEAR THE STAMP AND SIGNATURE OF A REGISTERED ENGINEER.
- ALL PLUMBING, ELECTRICAL OR MISCELLANEOUS STUB OUT SHALL BE A MINIMUM OF NINE (9) INCHES CLEAR OF THE OUTSIDE CONCRETE IN ORDER TO CLEAR THE WALLS.
- FOOTINGS SHALL BE CENTERED ON THE CENTERLINE OF THE COLUMN ABOVE UNLESS OTHERWISE NOTED.
- ALL FOOTINGS SHALL BEAR AGAINST FIRM NATURAL UNDISTURBED SOIL OR CERTIFIED COMPACTED FILL. SOIL BEARING PRESSURE EQUAL TO 1500 PSF.
- THE MINIMUM REQUIREMENTS AND LOCAL FROST LINE REQUIREMENTS MAY SUPERSEDE THE DESIGN CALL OUTS. CONTACT THE LOCAL BUILDING DEPARTMENT FOR MINIMUM DEPTH REQUIREMENTS.

STEEL NOTES:

- ALL CONSTRUCTION TO COMPLY WITH THE LATEST EDITION OF THE I.B.C. AND A.I.S.C.
- ALL MACHINE BOLTS TO COMPLY WITH A.S.T.M. A-307*. HOLES SHALL BE BOLT DIAMETER PLUS 1/16". (* UNLESS OTHERWISE NOTED)
- ALL HOT ROLLED OR COLD ROLLED SHEETS AND STRIPS USED IN THE FABRICATION OF COLD FORMED STRUCTURAL MEMBERS SHALL HAVE A MINIMUM YIELD STRENGTH OF 55 K.S.I.
- LIGHT GAGE - COLD FORMED STRUCTURAL STEEL MEMBERS SHALL CONFORM TO A.S.T.M. SPEC. A-500 GRADE "D" (Fy=50 K.S.I.), UNLESS OTHERWISE NOTED.
- ALL STRUCTURAL STEEL MEMBERS SHALL BE GALVANIZED.
- ROUND TUBES SHALL CONFORM TO A.S.T.M. SPEC. A-500 GRADE "D" (Fy=50K.S.I.).
- CABLES SHALL BE OF AIRCRAFT TYPE CABLE WITH THE FOLLOWING BREAKING STRENGTHS: 1/8"Ø = 1,700 LBS., 3/16"Ø = 4,200 LBS., 1/4"Ø = 7,000 LBS.

BUILDING SPECIFICATIONS:

THIS STRUCTURE HAS BEEN DESIGNED AND DETAILED FOR THE LOADS AND CONDITIONS SHOWN ON THESE DRAWINGS. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM OR REMOVAL OF ANY COMPONENT PARTS OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE ADVICE AND DIRECTION OF A REGISTERED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER. CONLEY'S MANUFACTURING & SALES WILL ASSUME NO RESPONSIBILITY FOR ANY LOADS NOT INDICATED.

THIS METAL BUILDING IS DESIGNED WITH CONLEY'S MANUFACTURING & SALES DESIGN PRACTICES WHICH ARE BASED ON PERTINENT PROCEDURES AND RECOMMENDATIONS OF THE FOLLOWING ORGANIZATIONS AND CODES, AND ARE ACCEPTED PRACTICES IN THE LOW RISE METAL AND AGRICULTURAL BUILDING INDUSTRY.

AMERICAN INSTITUTE OF STEEL CONSTRUCTION:
 "STEEL CONSTRUCTION MANUAL" 13TH EDITION.
 2005 A.I.S.C. (M.B.M.A.) "SERVICEABILITY" STANDARDS WILL BE USED FOR THIS DESIGN.



AMERICAN IRON AND STEEL INSTITUTE:
 2012 EDITION: NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.

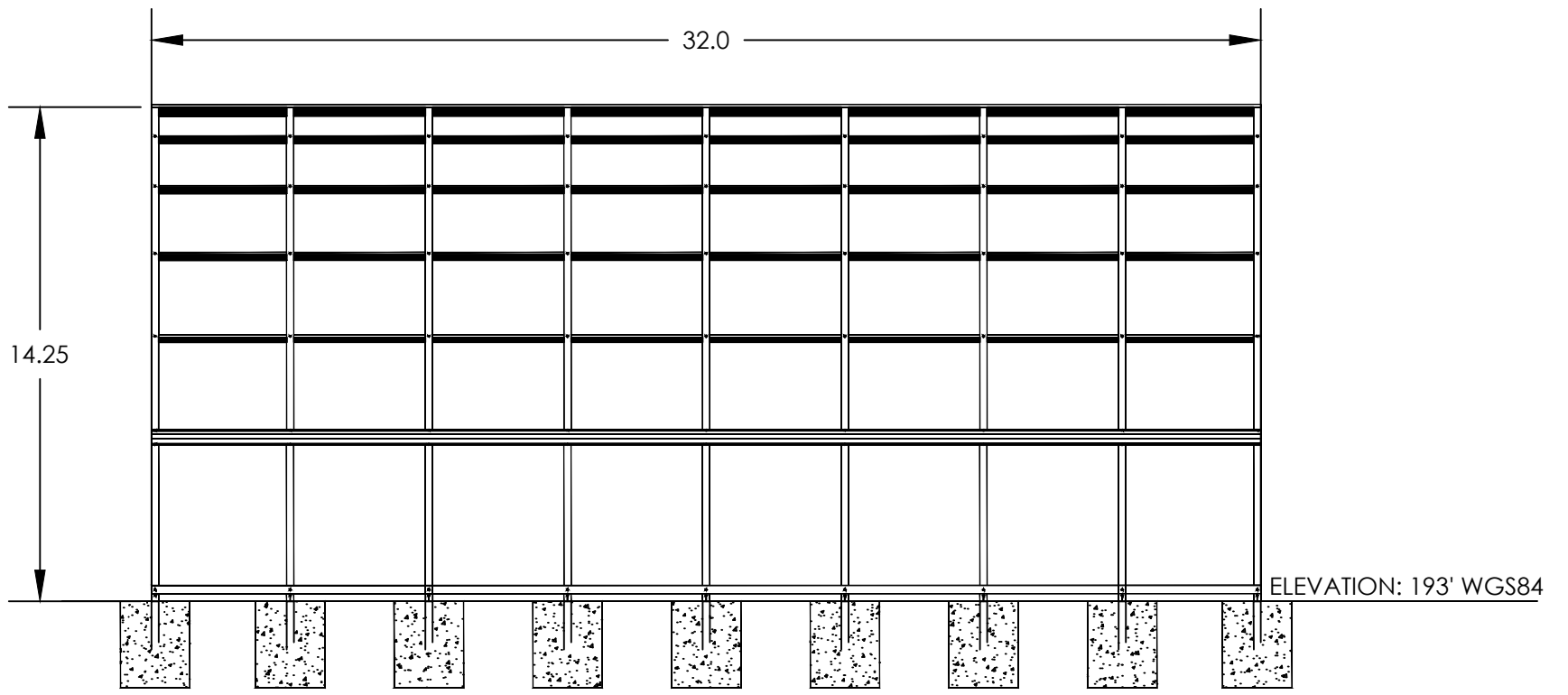
INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS:
 "INTERNATIONAL BUILDING CODE" 2015 EDITION
 "OREGON STRUCTURAL SPECIALTY CODE" 2019 EDITION

AMERICAN WELDING SOCIETY:
 "STRUCTURAL WELDING CODE" A.W.S D1.1-10

METAL BUILDING MANUFACTURER'S ASSOCIATION:
 "METAL BUILDING SYSTEMS MANUAL" 2018

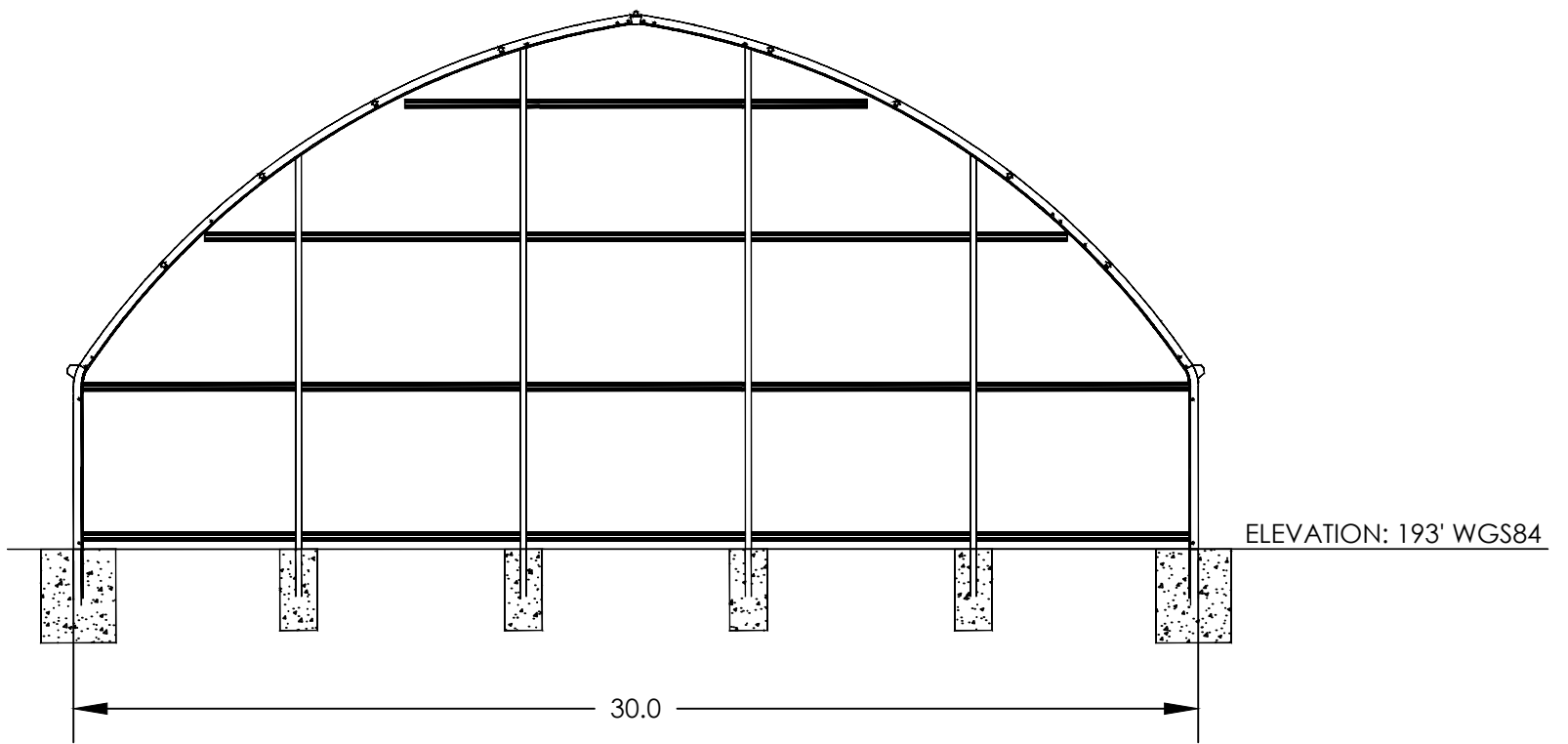
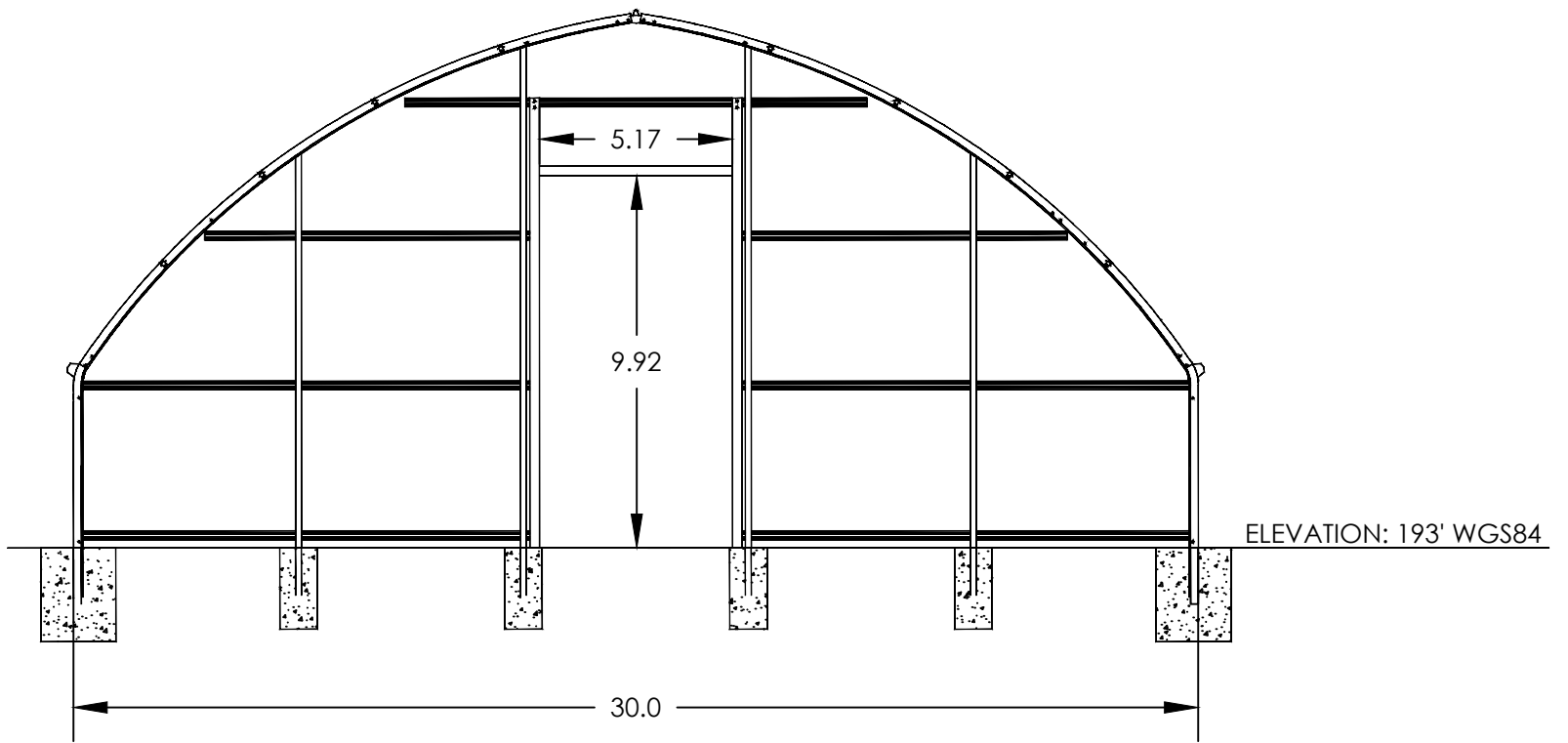


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| REVISIONS | |
| Δ | AGM 05/22/20 |
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| DATE 04/29/2020 | SCALE N.T.S. |
| JOB NO 74913 | DRAWN BY AGM |
| | APPROVED |
| TITLE 30'-0" RANGER SERIES (2000) | JOB NAME CHAD DARBY |
| ENGINEER 29106-20 | |
| LOADING 30GS-100-C | |
| DRAWING NO. DE380284 | |
| DRAWING SET DE380284 DE380285 | |
| SHEET 1 OF 2 | |
| CERTIFICATION | |

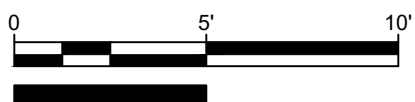


NOTES:

1. ELEVATION OBTAINED FROM GOOGLE EARTH PRO.
2. MEASUREMENTS OBTAINED FROM RANGER SERIES 2000 INSTRUCTION MANUAL.



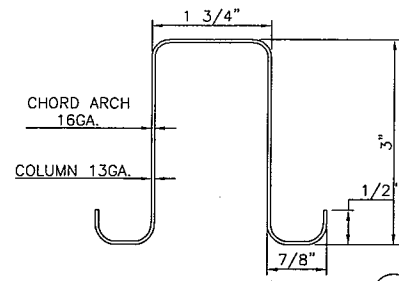
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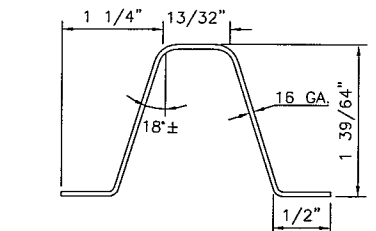
NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

Figure 5 Exterior Elevations

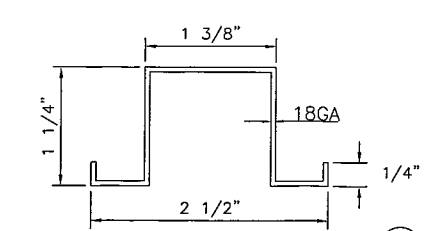
Bridgeport Elementary Greenhouse Project
Tualatin, Oregon



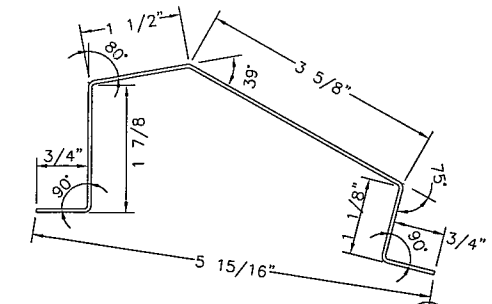
ARCH / COLUMN
SCALE: NTS



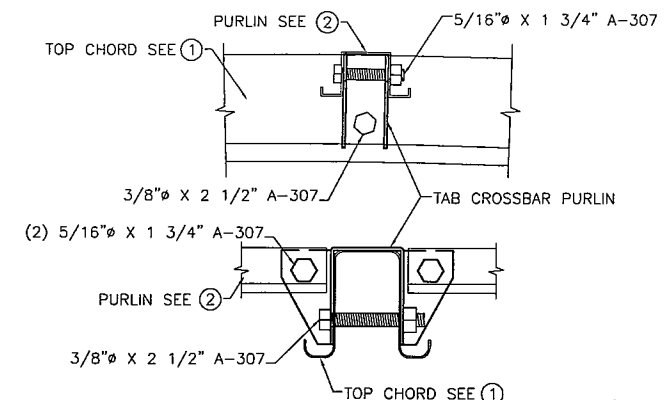
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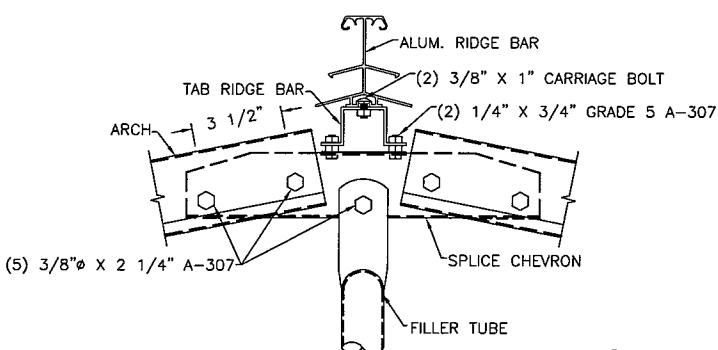
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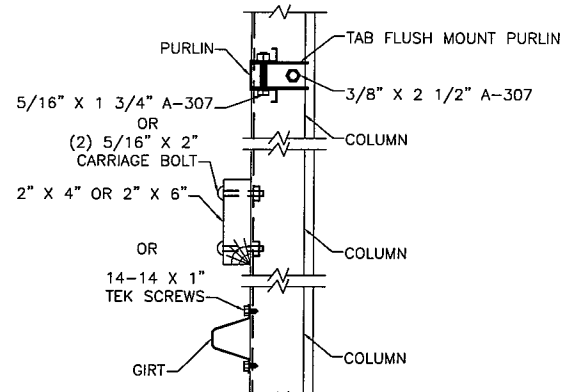
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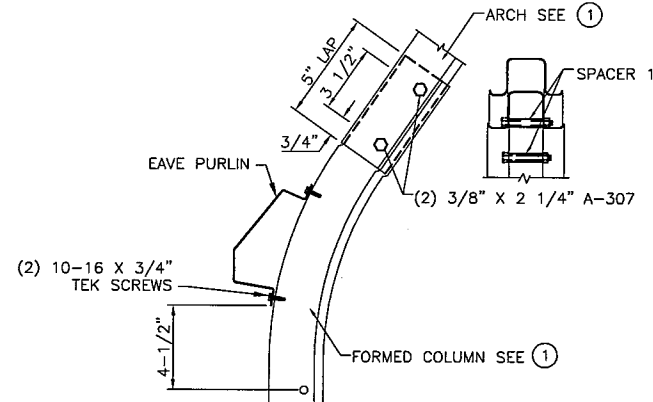
PURLIN TO TOP CHORD CONN.
SCALE: NTS



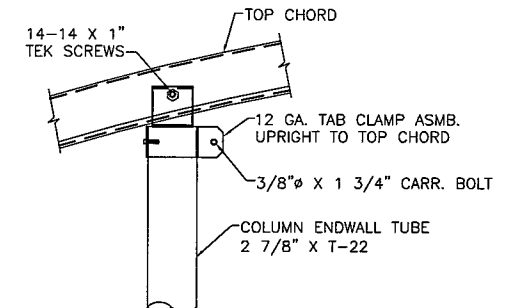
SPLICE CHEVRON CONNECTION
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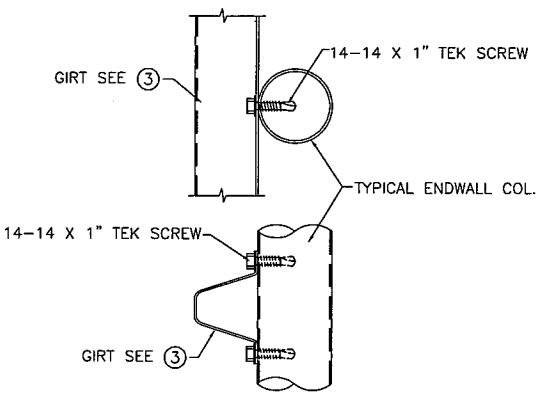
(OPTIONAL) GIRT AT COLUMN
SCALE: NTS



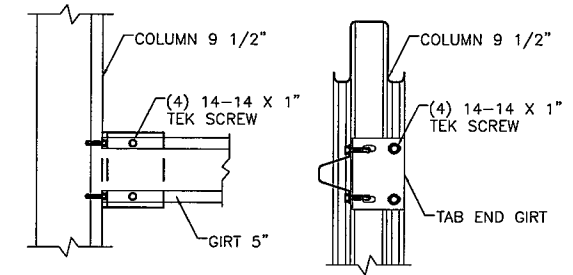
COLUMN CONN. TO ARCH
SCALE: NTS



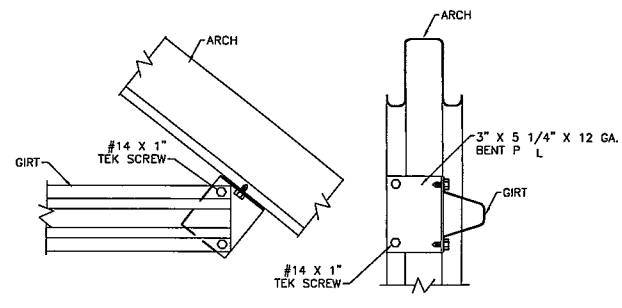
UPRIGHT @ TOP CHORD CONN.
SCALE: NTS



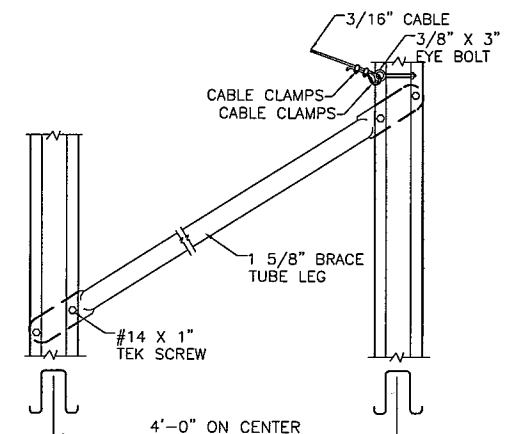
ENDWALL GIRT CONN.
SCALE: NTS



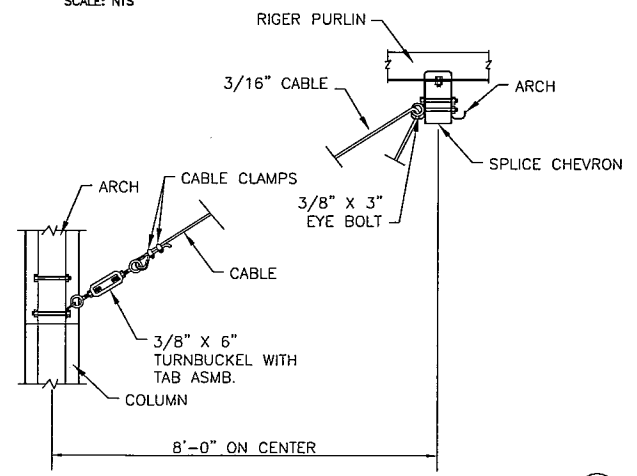
TAB END GIRT TO COLUMN CONNECTION
SCALE: NTS



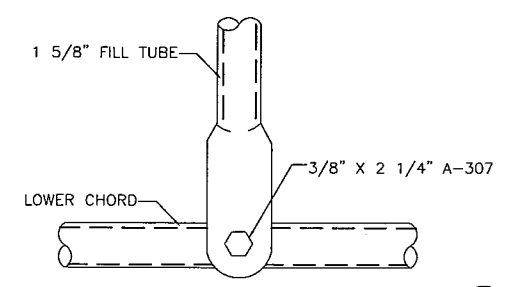
GIRT CONN. AT ARCH
SCALE: NTS



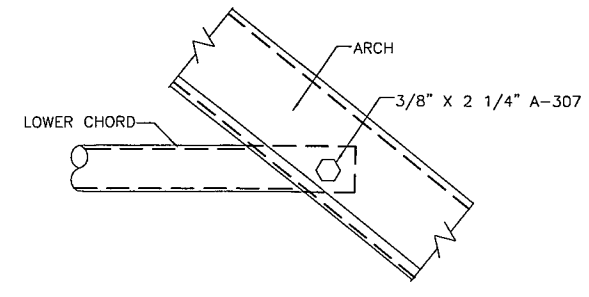
COLUMN BRACING
SCALE: NTS



CABLE BRACING @ RIDGE
SCALE: NTS



FILL TUBE @ LOWER CHORD CONN.
SCALE: NTS



LOWER CHORD @ ARCH CONN.
SCALE: NTS

REVISIONS

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| AGM 05/22/20 |
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SERVING AGRICULTURE SINCE 1946

DATE 04/29/2020
SCALE N.T.S.
JOB NO 74913
DRAWN BY AGM
APPROVED

TITLE: RANGER 2000 DETAILS
JOB NAME: CHAD DARBY

ENGINEER: 29106-20
LOADING: 30GS-100-C
DRAWING NO.: DE380285
DRAWING SET: DE380284, DE380285
SHEET 2 of 2

REGISTERED PROFESSIONAL ENGINEER
18400PE
OREGON
MAY 14, 1998
JANOS BOROS
EXPIRES: 12/31/2021

CERTIFICATION

04/29/20 (U) ENGINEERED 2000 SERIES DE380285.DWG

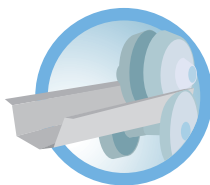


Whether starting out or in **expansion** mode, the versatility of Conley's Ranger Series 2000 offers **maximum** productivity.

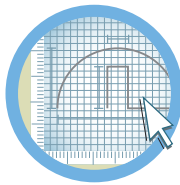
This structure is compatible with polyethylene, shade cloth and rigid coverings and is great for several different growing applications.



Superior
ROLL-FORMED
Connections



ROLL-FORM



Customization

Main Features

- Superior ROLL-FORM arches, legs and purlins ensure unmatched structural integrity
- Gothic arch design is engineered to reduce roof snow build-up and provide maximum headroom
- 13 gauge ROLL-FORMED legs are stronger than conventional greenhouse columns
- Aluminum end wall combination creates a flashing for end wall and roof coverings
- Arch and purlin design offers "I" beam technology for superior strength
- All legs are shipped pre-punched to simplify the installation of sidewall framing (wood supplied by customer).
- ROLL-FORM components nest one into the other during shipment, substantially reducing freight costs



Sizing

Widths: 30'

Side wall Heights: 4' and 6'



Loading

This structure is engineered to meet a standard 12 LB live load 85 mph wind or 30 LB ground snow 85 mph wind per the International Building Code (IBC). Alternative loadings are available upon request.

**Are you planning to build?
Call our Greenhouse
Department! We can plan
a design for you!**

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