

# BYRUM BUILDING ROOF REPLACEMENT

## CASWELL DEVELOPMENTAL CENTER

### KINSTON, NORTH CAROLINA

SCO ID#: 22-25783-01A; CODE: 42240; ITEM: 4T04

PREPARED FOR:

**NC DEPARTMENT OF HEALTH AND HUMAN SERVICES**  
**DIVISION OF PROPERTY AND CONSTRUCTION**  
**2104 UMSTEAD DRIVE**  
**3026 MAIL SERVICE CENTER**  
**RALEIGH, NC 27699**



**SITE LOCATION MAP**  
NOT TO SCALE

BYRUM BUILDING  
CASWELL DEVELOPMENTAL  
2415 WEST VERNON AVENUE  
KINSTON, NC 28504

DRAWING LIST	
1.0	COVER SHEET
2.0	EXISTING ROOF FRAMING PLAN AND PURLIN BEARING EXTENSION DETAILS
3.0	NEW RETROFIT FRAMING PLAN
4.0	NEW ROOF PLAN AND WORK AREA PREPARATION PLAN
5.0	CONSTRUCTION DETAILS



**SITE PLAN**  
NOT TO SCALE

### BUILDING CODE SUMMARY - 2018 APPENDIX B (FOR COMM. ROOF PROJECTS)

Name of Project: BYRUM BUILDING ROOF REPLACEMENT  
 Address: CASWELL DEVELOPMENTAL CENTER, KINSTON, NC Zip Code: 28504  
 Proposed Use: NO CHANGE IN USE  
 Owner or Authorized Agent: NC CHHS Phone # MEDHAT MERTZY: 919-279-1462  
 Owned By: City/County Private State Email: MEDHAT.MERTZY@DHHS.NC.GOV  
 Code Enforcement Jurisdiction: City County State  
 LEAD DESIGN PROFESSIONAL: KELLY WILCOX, PE, REC, ATLAS ENGINEERING, INC.  
 DESIGNER: FIRM NAME LICENSE # TELEPHONE # EMAIL  
 Architectural: N/A N/A N/A  
 Electrical: N/A N/A N/A  
 Fire Alarm: N/A N/A N/A  
 Plumbing: N/A N/A N/A  
 Mechanical: N/A N/A N/A  
 Sprinkler- Standpipe: N/A N/A N/A  
 Structural: N/A N/A N/A  
 Retaining Walls: 5' High N/A N/A  
 ROOFING: ATLAS ENGINEERING KELLY WILCOX NC #28317 (919) 420-7676 KELLY@ATLAS.COM  
 2018 NC CODE FOR:  Roof Replacement  Roof Repair  Roof Report  
 CONSTRUCTION: (Area) (Year)  DOMESTIC/ (INSTITUTIONAL: 1-2)

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	DETAIL # FOR RATED ASSEMBLY
Roof construction, including supporting beams and roof ceiling assembly		
Roof ceiling assembly		
Columns supporting roof		

NOT APPLICABLE: ROOF REPLACEMENT WILL NOT CHANGE THE EXISTING FIRE SEPARATION DISTANCE OR RATING OF THE OVERALL ROOF ASSEMBLY OF ORIGINAL CONSTRUCTION. SYSTEM WILL REMAIN A UL CLASS A RATED SYSTEM.

**ENERGY REQUIREMENTS:**  
 The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each designer shall furnish the required portions of the project information code design performance method, state the original energy cost for the standard reference design. Climate Zone:  3  4  5  
 Method of Compliance:  Prescriptive (Energy Code)  Performance (Energy Code)

**DESIGN LOADS:**  
 Risk Category (Table 1604.5)  I  II  III  IV  
 Importance Factors: Snow (1) 1.10  
 Sismic (1) 1.25  
 Live Loads: Roof 20 psf  
 Ground Snow Load: 0 psf  
 Wind Load: Ultimate Wind Speed 135 mph (ASCE 7)  
 Exposure Category: C  
 Design Pressure (psf):  
 Field 39  
 Perimeter 68  
 Corner 100  
 ALL VALUES LISTED ARE UPLIFT PRESSURES

FLOOR	EXISTING (SQ FT)	NEW (SQ FT)	SUB-TOTAL
1 <sup>st</sup> Floor	35,500	0	35,500
TOTAL	35,500	0	35,500

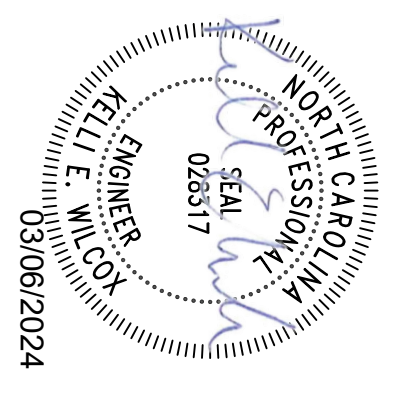
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 Corner 100  
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No.	REVISION	By	Date

DRAWN BY: TUF  
 ENGINEER: KEW  
 APPROVAL: KEW  
 DATE: 3/06/2024  
 PROJ.: J2740 SCALE: AS SHOWN  
 DWG. NO.:

## COVER SHEET

**BYRUM BUILDING ROOF REPLACEMENT**  
**CASWELL DEVELOPMENTAL CENTER, KINSTON, NC**  
**SCO ID#: 22-25783-01A; CODE:42240; ITEM:4T04**



**ATLAS**  
ENGINEERING, INC.

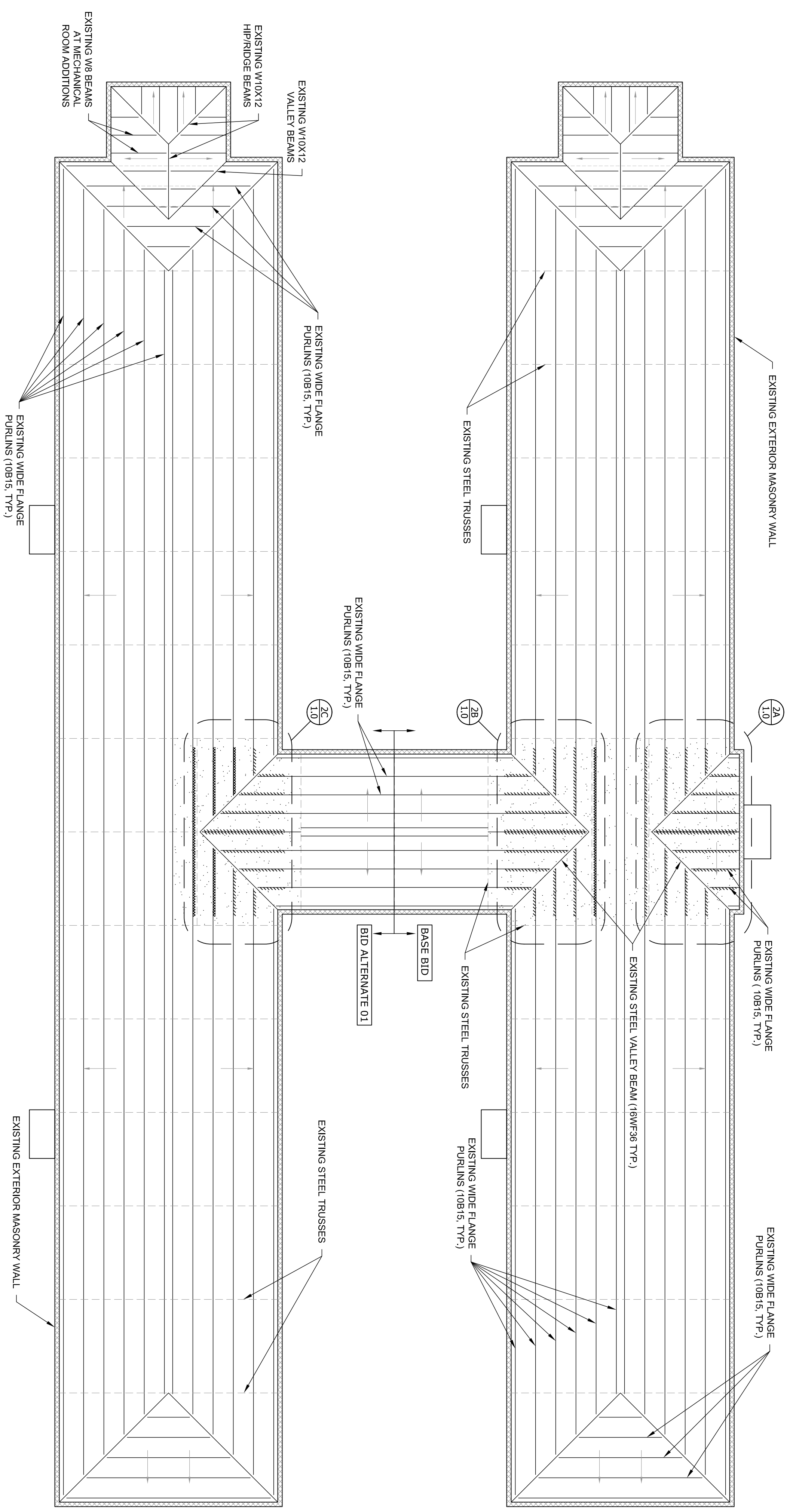
551A Pylon Drive  
Raleigh, North Carolina 27606  
(919) 420-7676

LIC.# C-1349

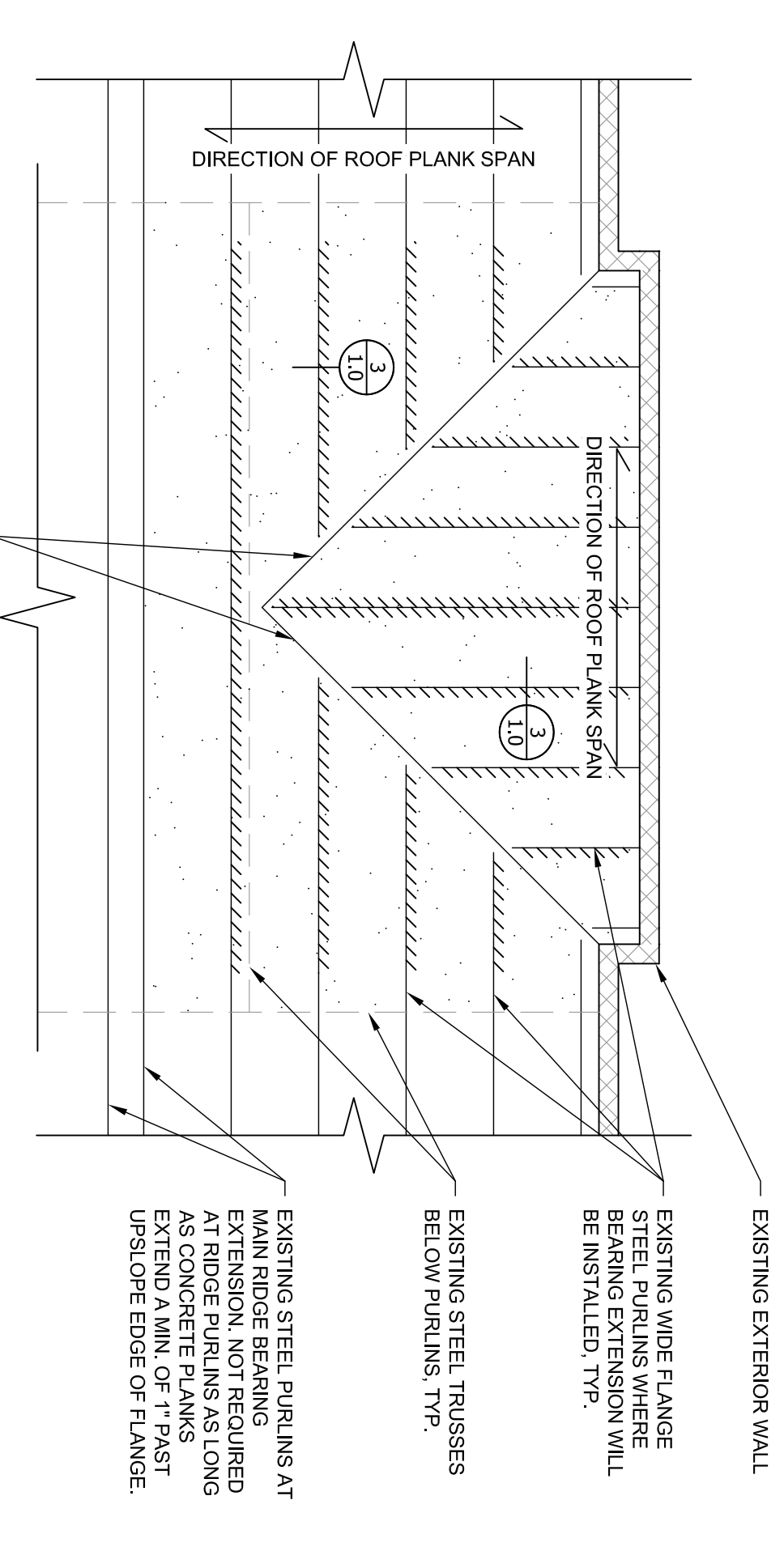
BID SET

COV

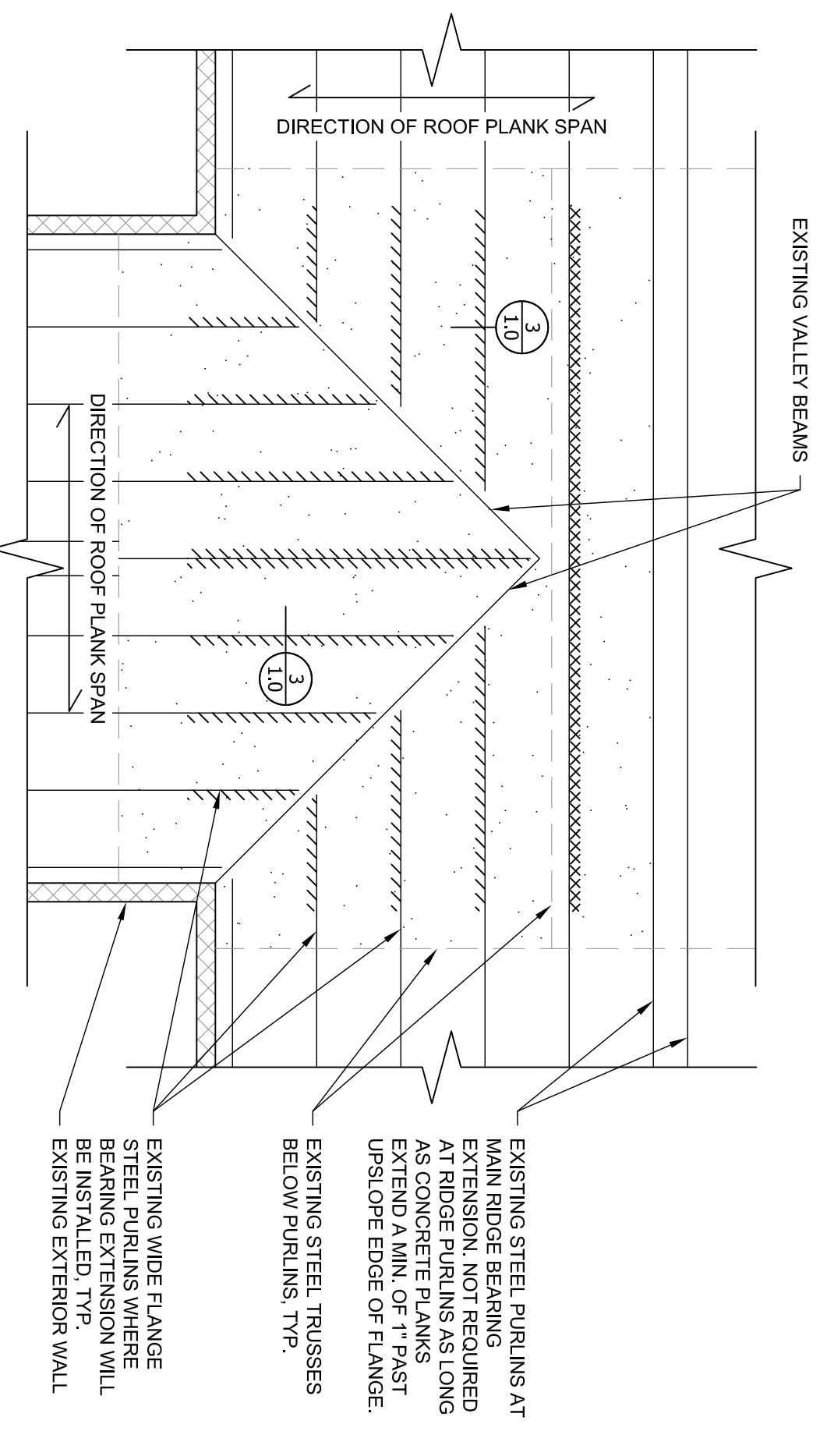




**1.0** EXISTING ROOF FRAMING PLAN  
SCALE: 1/16" = 1'-0"



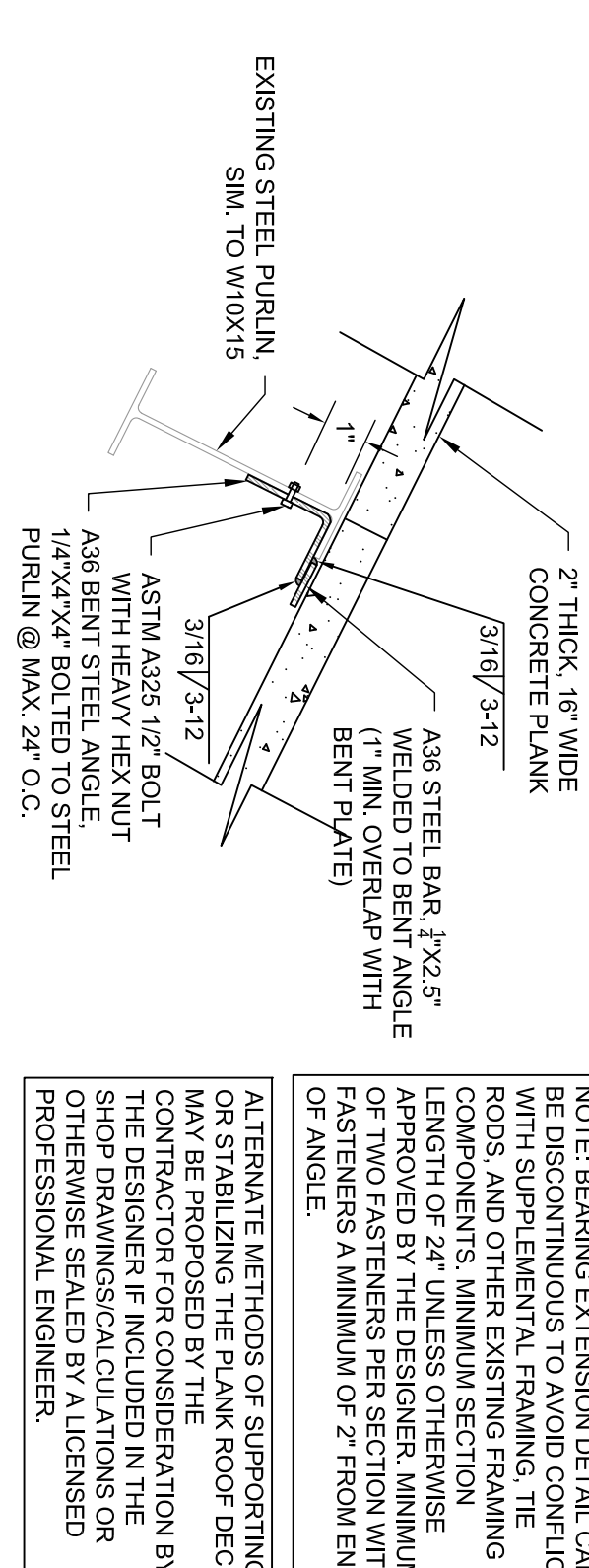
**2A** PURLIN REPAIR AREA  
SCALE: 1/8" = 1'-0"



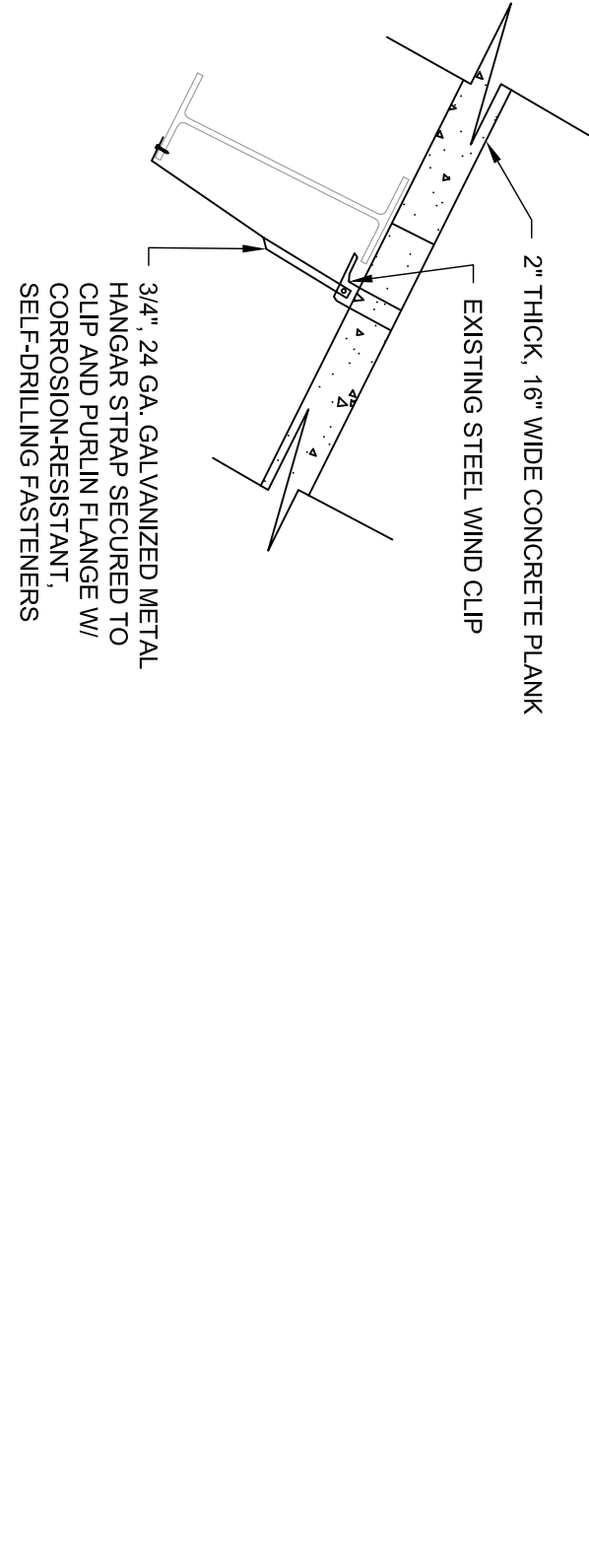
**2B** PURLIN REPAIR AREA  
SCALE: 1/8" = 1'-0"

**LEGEND**

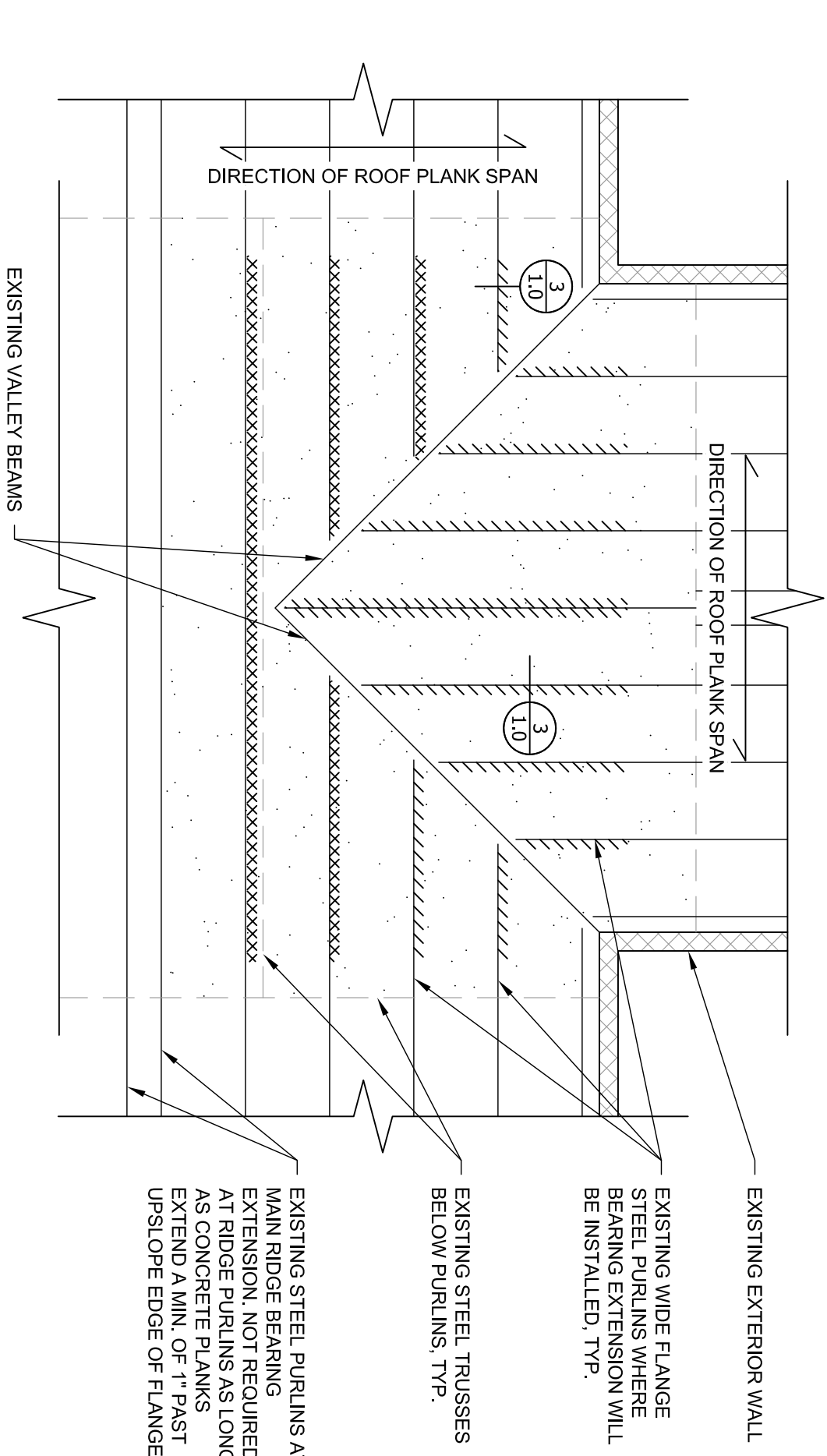
- EXISTING STEEL PURLIN SUPPORTING ROOF DECK (FIELD VERIFY)
- EXISTING STEEL TRUSSES/BEAMS SUPPORTING PURLINS AND ROOF DECK (FIELD VERIFY)
- EXISTING EXTERIOR WALL
- DEPOTES GENERAL AREA OF PURLINS REQUIRING BEARING EXTENSION(S) ALIATION.
- DEPOTES GENERAL AREA OF PURLINS WHERE BEARING EXTENSION IS EXISTING.
- EXISTING 6:12 ROOF SLOPE (TO BE MAINTAINED BY NEW RETROFIT STRUCTURE)



**3** PURLIN EXTENSION  
SCALE: NOT TO SCALE



**4** WIND CLIP STRAPPING  
SCALE: NOT TO SCALE



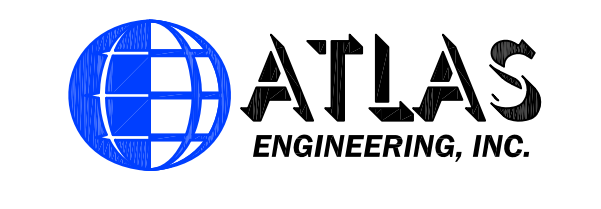
**2C** PURLIN REPAIR AREA  
SCALE: 1/8" = 1'-0"

**NOTES TO EXISTING ROOF FRAMING PLAN:**

1. THIS DRAWING ACCOMPANIES A PROJECT MANUAL BY ATLAS ENGINEERING DATED MARCH 2024. PRIOR TO THE START OF WORK, PERFORM A PRE-JOB DAMAGE SURVEY IN ACCORDANCE WITH THE PROJECT MANUAL.
2. THIS DRAWING IS PROVIDED TO COMMUNICATE DESIGN INTENT. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS, MATERIALS, AND CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING DIMENSIONS AND CONDITIONS PRIOR TO CONSTRUCTION. ALL FRAMING MEMBERS AND FEATURES MAY NOT BE SHOWN, OR NOT SHOWN TO SCALE FOR PURPOSE OF CLARITY.
3. THE EXISTING ROOF SYSTEM OF THE MAIN BUILDING INCLUDES: GRANULAR-SURFACED ASPHALT COMPOSITION SHINGLES OVER UNDERLAYMENT AND A 2" THICK VALUABLE CONCRETE TONGUE AND GROOVE PLANK DECK SUPPORTED BY STEEL STRUCTURE OVER A VENTED ATTIC SPACE. MINOR DIFFERENCES IN THE DECK MAY BE PRESENT AT MECHANICAL ROOM ADDITIONS. THE ROOF SLOPE IS APPROXIMATELY 6:12 AND IS PROVIDED BY THE STRUCTURE. ROOF CONSTRUCTION WAS OBSERVED AT REPRESENTATIVE AREAS. **GROUT AT JOINTS IN THE PLANK DECK (MAINLY AT RIDGE/VALLEY JOINTS) CONTAINS ASBESTOS. REFER TO 2/23/20 FOR WORK PLAN FOR ATTIC PREPARATION AND PROTECTION.** CONTRACTOR SHALL VERIFY THE PRESENCE OF ASBESTOS AND INSTALLING PURLIN BEARING EXTENSION AND RETROFIT FRAMING COMPONENTS.
4. THE EXISTING ROOF SYSTEM OF THE SOLED LINEN AND ROOFS INCLUDES A SINGLE-PLY EPDM MEMBRANE OVER AN APPROX. 1/2"-1" THICK RIGID INSULATION BOARD ON A SLOPED CONCRETE DECK. THE EXISTING ROOF SYSTEM AT THE FRONT AND REAR ENTRANCE ROOF AND ROOFS A-E CONSISTS OF SINGLE-PLY EPDM MEMBRANE OVER TAPERED POLYISOCYANURATE INSULATION (1" TO 3" THICK), OVER 3.5" OF FOAM GLASS INSULATION (AT ROOF AREA C ONLY), OVER A BITUMINOUS VAPOR BARRIER, AND A CONCRETE DECK (2" THICK VALUABLE CONCRETE TONGUE AND GROOVE PLANK DECK, STRUCTURAL CONCRETE (ENTRANCE ROOFS), AND HOLLOW CORE PRE-CAST PLANK DECK (AREA C). ROOF SYSTEMS WERE VERIFIED AT ISOLATED AREAS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ROOF CONSTRUCTIONS FOR THE PURPOSE OF BIDDING AND CONSTRUCTION.
5. PURLIN BEARING EXTENSIONS MUST BE INSTALLED PRIOR TO START OF RETROFIT FRAMING INSTALLATION BUT MAY BE IN PROGRESS CONCURRENTLY WITH INSTALLATION OF PROTECTION MATERIALS AND VENTILATION AND MONITORING EQUIPMENT WITHIN THE ATTIC SPACES. PURLIN BEARING EXTENSION DETAIL IS INTENDED TO BE INSTALLED AT PURLINS SUPPORTING CONCRETE DECK PLANKS THAT HAVE CUT ENDS AND BEAR ON VALLEY BEAM/MEMBERS. EXACT LOCATIONS AND LENGTHS OF PURLIN BEARING EXTENSION SHOULD BE CONFIRMED IN THE FIELD TO AVOID CONFLICT WITH EXISTING STRUCTURAL AND ABOVE-CEILING COMPONENTS (I.E. THE RODS, HANGERS, ETC.). IF SIGNIFICANT MODIFICATION OF THE LAYOUT OR DETAILS SHOW ON THE DRAWING IS REQUIRED, SUBMIT MODIFICATIONS FOR SPACES. EXISTING WIND CLIPS PRESENT ALONG THE PURLIN LENGTHS BEING EXTENDED SHOULD HAVE STRAPPING INSTALLED PER DETAIL 4/1.1. REFER TO SHEET 2.0 FOR ADDITIONAL INFORMATION REGARDING PROTECTION AND MONITORING OF EACH PRIOR TO THE START OF ROOF SYSTEM DISRUPTION OR FRAMING INSTALLATION.
6. THE CONTRACTOR IS RESPONSIBLE FOR VEANS AND METHODS FOR SAFE ACCESS TO PURLIN BEARING EXTENSION AREAS AND FOR INSTALLATION OF PROTECTION, VENTILATION, AND MONITORING MATERIALS. WHEN WORK AREAS MAY NOT BE ACCESSED FROM THE EXISTING CATWALK, COORDINATE WITH THE OWNER TO ENSURE AREAS BELOW ARE UNOCCUPIED UNTIL TEMPORARY SAFE ACCESS/PROTECTION METHODS CAN BE PUT IN PLACE.
7. PROTECT EXISTING BUILDING INTERIOR, FINISHES, AND CONTENTS FROM DAMAGE DUE TO WATER ENTRY OR DEBRIS DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A WATER/TIGHT CONDITION DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING INTERIOR FINISHES AND CONTENTS FROM DAMAGE DUE TO WATER ENTRY OR DEBRIS. IF DAMAGE OCCURS, THE CONTRACTOR IS RESPONSIBLE FOR MAKING REPAIRS/REPLACEMENT AS NECESSARY TO RETURN THE DAMAGE ITEM/FINISH/SYSTEM TO THE CONDITION IT WAS IN PRIOR TO DAMAGE.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THE STORAGE AND STAGING AREAS(S) SHOWN OR OTHER AREAS ACCESSED FOR THE PURPOSE OF CONSTRUCTION. COORDINATE WITH THE OWNER TO CONFIRM ACCEPTABILITY. AREAS USED FOR CONSTRUCTION MUST BE RETURNED TO THEIR ORIGINAL CONDITION AT THE END OF THE PROJECT. NO INTERRUPTION OF UTILITIES MAY OCCUR UNLESS AGREED UPON IN ADVANCE WITH THE OWNER. ELECTRICAL SERVICES, WIRES, EQUIPMENT, UTILITIES, STORM DRAIN LINES, ETC. MAY EXIST WITHIN OR DIRECTLY ADJACENT TO THE PROPOSED STRAPPING WORK AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND PROTECTING ALL UTILITIES AND SERVICES PRIOR TO WORK. NON-PENETRATING WEIGHTED BASES AROUND ALL STORAGE AND STAGING AREAS. MAINTAIN SAFE INGRESS AND EGRESS FROM THE BUILDING AND DO NOT BLOCK VEHICULAR OR PEDESTRIAN ACCESS TO THE BUILDING WITHOUT ADVANCE COORDINATION WITH THE OWNER.
9. FOLLOW ALL SPECIFIC REQUIREMENTS OF THE CASWELL DEVELOPMENTAL CENTER TO ENSURE THE SAFETY OF BUILDING OCCUPANTS DURING CONSTRUCTION INCLUDING SECUREMENT AND SUPERVISION OF ALL LADDERS, TOOLS, EQUIPMENT, VEHICLES, AND STORED MATERIALS, PROVIDE FENCING AROUND STAGING AND STORAGE AREAS. THE CONTRACTOR MAY REQUIRE AN ESCORT TO ENTER THE BUILDING TO ACCESS THE ATTIC SPACE FOR PURLIN BEARING EXTENSION AND ASBESTOS PROTECTION AND MONITORING.

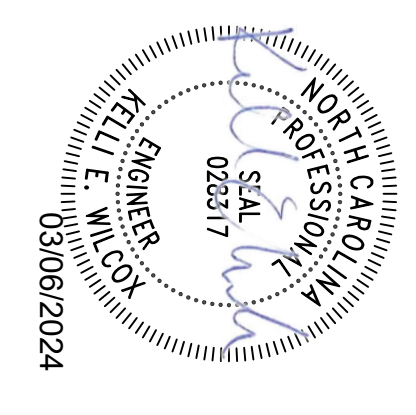
**EXISTING ROOF FRAMING PLAN AND PURLIN BEARING EXTENSION DETAILS**

BYRUM BUILDING ROOF REPLACEMENT  
CASWELL DEVELOPMENTAL CENTER, KINSTON, NC  
SCO ID#: 22-25783-01A; CODE:42240; ITEM:4T04



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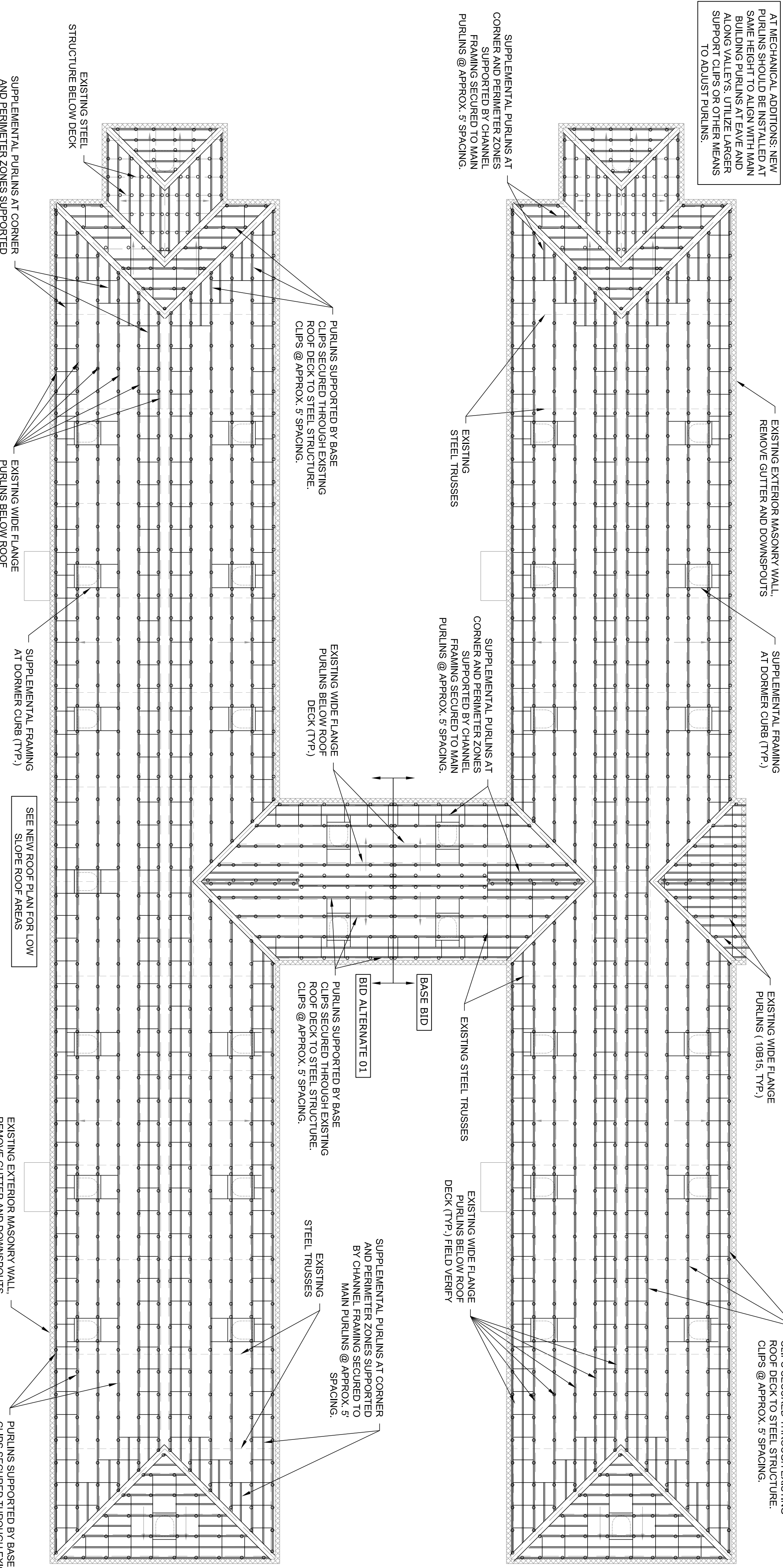
DRAWN BY: TUF  
ENGINEER: KEW  
APPROVAL: KEW  
DATE: 3/06/2024  
PROJ.: J2740 SCALE: AS SHOWN  
DWG. NO.

**BID SET**  
**1.0**

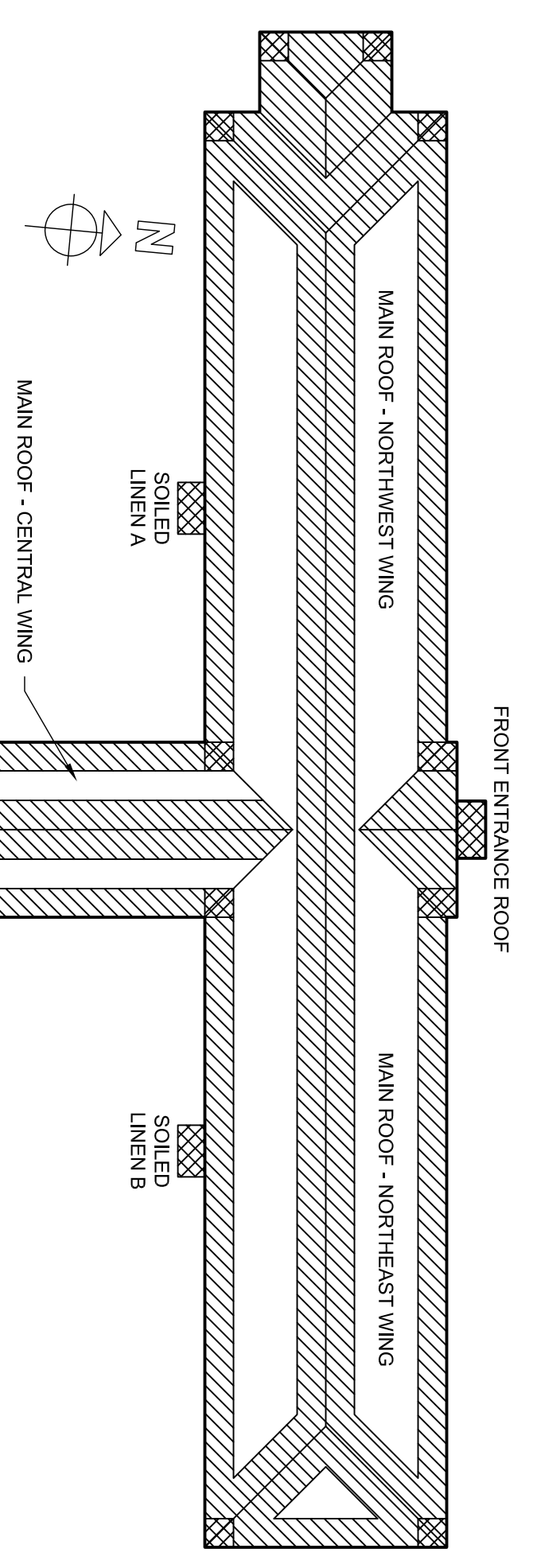


AT MECHANICAL ADDITIONS NEW PLUMBING SHALL BE INSTALLED AT SAME HEIGHT TO ALIGN WITH MAIN BUILDING PURLINS AT EAVE AND ALONG VALLEYS, UTILIZE LARGER SUPPORT CLIPS OR OTHER MEANS TO ADJUST PURLINS.

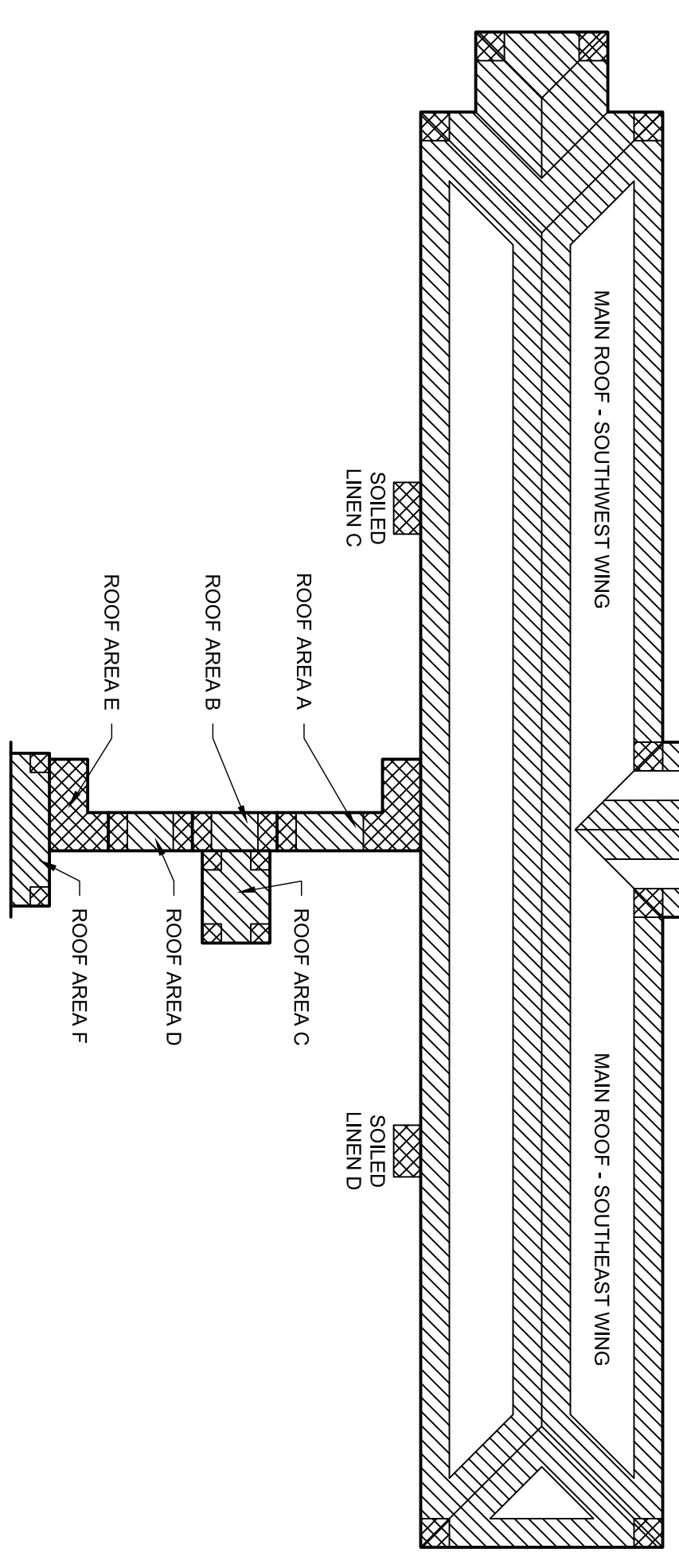
SUPPLEMENTAL PURLINS AT CORNER AND PERIMETER ZONES SUPPORTED BY CHANNEL FRAMING SECURED TO MAIN PURLINS @ APPROX. 5' SPACING.



**1** NEW RETROFIT FRAMING PLAN  
SCALE: 1/16" = 1'-0"

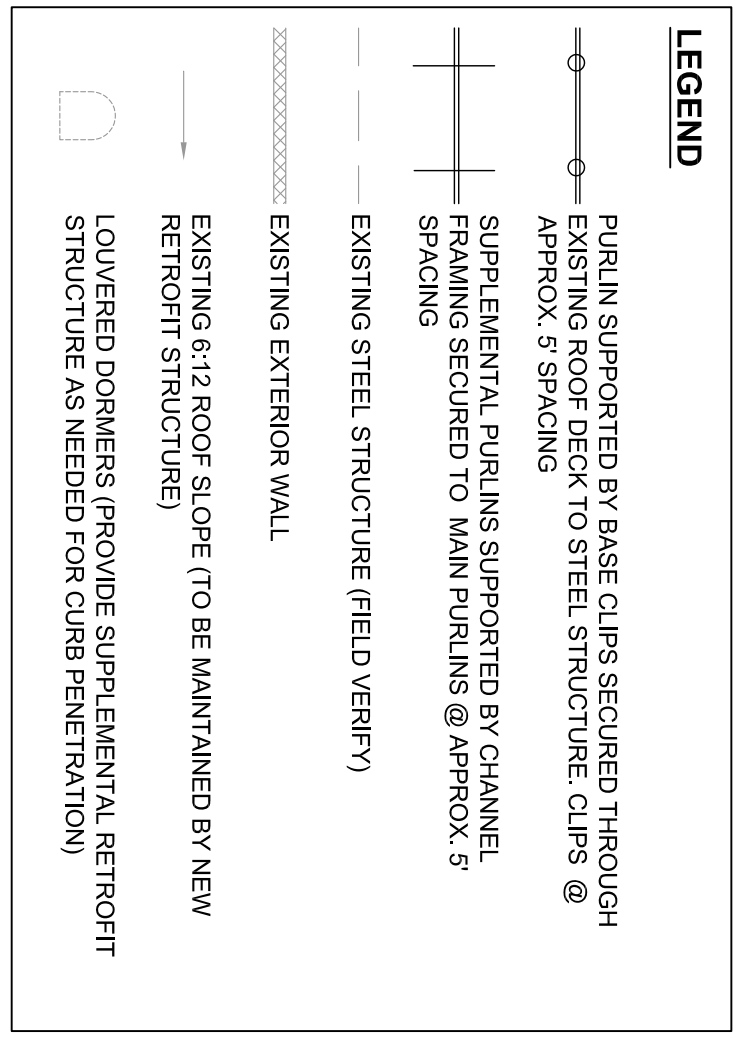


**2.0** WIND ZONE PLAN  
SCALE: 1/32" = 1'-0"



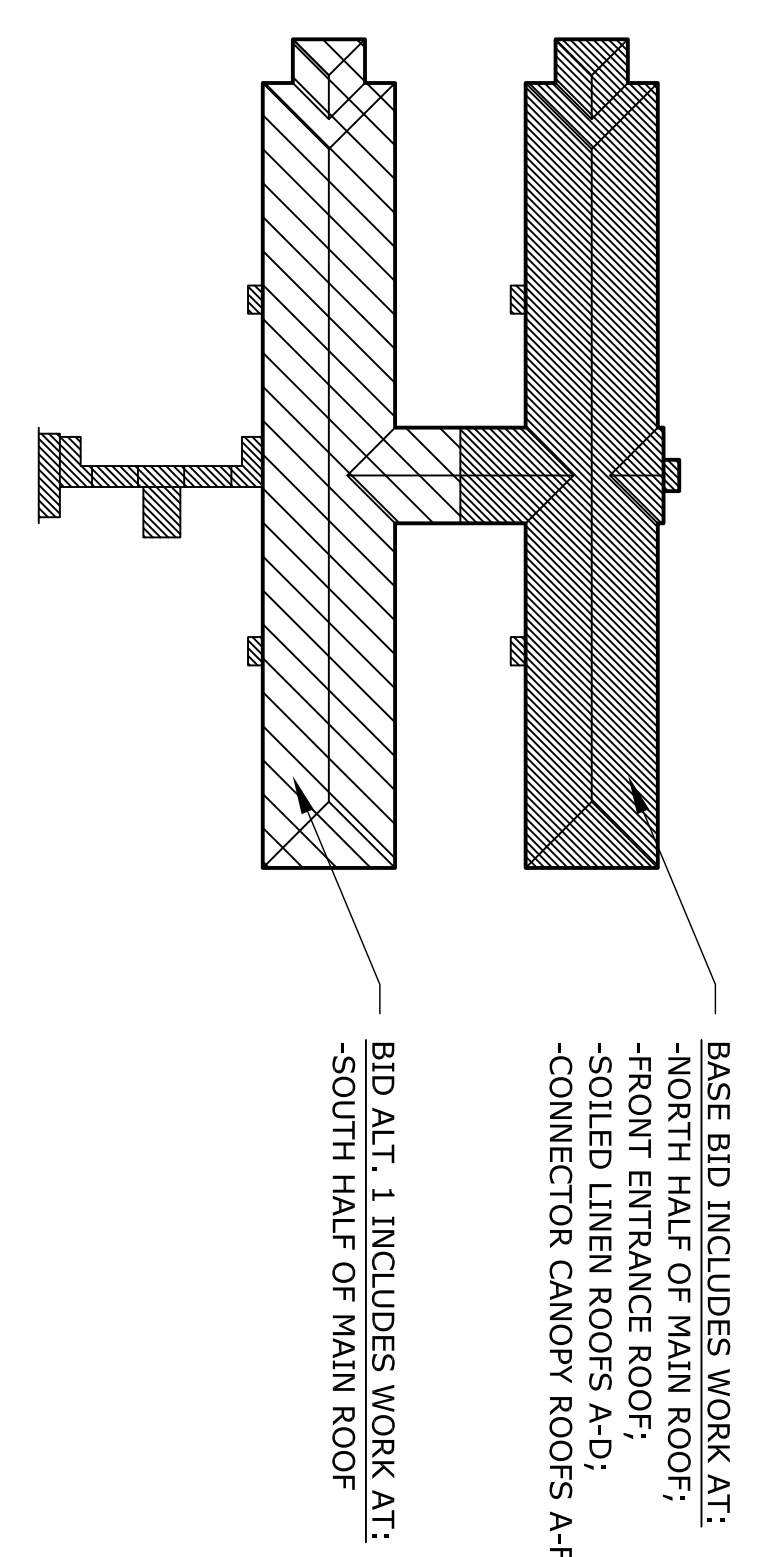
WIND ZONE SIZES		
ROOF AREA	PERIMETER ZONE WIDTH	CORNER ZONE MINIMUM SIZE
AREAS A-D AND F	4' MIN.	4'x4' MIN.
AREA E	N/A	ENTIRE AREA
ENTRANCE ROOF	N/A	ENTIRE AREA
SOILED LINEN A-D	N/A	ENTIRE AREA
MAIN ROOF AREAS	6' MIN.	6'x6' MIN.

**WIND UPLIFT PRESSURE**  
FIELD OF ROOF = 30 PSF  
PERIMETERS = 68 PSF  
CORNERS = 100 PSF



**NOTES TO NEW RETROFIT FRAMING PLAN:**

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- THIS DRAWING IS PROVIDED TO COMMUNICATE DESIGN INTENT. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS, DRAWING SCALES, ROOF CONSTRUCTIONS, FRAMING COMPONENTS, AND OTHER CONDITIONS SHOWN FOR THE PURPOSE OF BIDDING AND CONSTRUCTION. ALL FRAMING MEMBERS AND FEATURES (EXISTING AND NEW) MAY NOT BE SHOWN, OR NOT SHOWN TO SCALE FOR PURPOSE OF CLARITY.
- THE EXISTING ROOF SYSTEM OF THE MAIN BUILDING INCLUDES: GRANULAR-SURFACED ASPHALT COMPOSITION SHINGLES OVER UNDERLAYMENT AND A 2" THICK VULNERABLE CONCRETE TONGUE AND GROOVE PLANK DECK SUPPORTED BY STEEL STRUCTURE OVER A VENTED ATTIC SPACE. MINOR DIFFERENCES IN THE DECK MAY BE PRESENT AT MECHANICAL ROOM ADDITIONS. THE ROOF SLOPE IS APPROXIMATELY 6:12 AND IS PROVIDED BY THE STRUCTURE. ROOF CONSTRUCTION WAS OBSERVED AT REPRESENTATIVE AREAS. **GROUP AT JOINTS IN THE PLANK DECK (MAINLY AT RIDGE/VALLEY JOINTS) CONTAINS ASBESTOS. REFER TO 2/3.0 FOR WORK PLAN FOR ATTIC PREPARATION AND PROTECTION.** EXISTING STRUCTURAL MEMBER SIZES AND LAYOUT MUST BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING, FABRICATING, AND INSTALLING PURLIN BEARING EXTENSION AND RETROFIT FRAMING COMPONENTS.
- THE BASE BID SCOPE OF WORK INCLUDES (REFER TO KEY PLAN):  
4.1. FOR THE NORTHERN HALF OF THE BUILDING ONLY, INSTALLATION OF BEARING EXTENSION COMPONENTS AT PURLINS SUPPORTING EXISTING ROOF PLANK DECKS WITH ENDS ALSO SUPPORTED BY VALLEY BEAMS (AS SHOWN ON DRAWING SHEET 1.0).  
4.2. INSTALLATION OF PROTECTION MATERIALS WITHIN THE ATTIC SPACES BENEATH ROOF DECK AREAS TO BE DESTROYED IN EACH WORK DESIGNATED WORK AREA PRIOR TO THE START OF ROOF REPLACEMENT. PROVISION, SET UP AND OPERATION OF NEGATIVE AIR PRESSURIZATION EQUIPMENT AND ASSOCIATED MATERIALS DURING WORK, COORDINATION AND COOPERATION WITH THE ASBESTOS CONSULTANT DURING WORK TO ALLOW FOR INITIAL AND FINAL AIR MONITORING IN EACH WORK AREA.  
4.3. FOR THE NORTHERN HALF OF THE BUILDING ONLY: REMOVAL OF EXISTING DOWNSPOUTS, GUTTER, AND DOWNSPOUTS FROM THE NORTHERN HALF OF THE BUILDING AND INSTALLATION OF NEW DOWNSPOUTS, GUTTER, AND STANDING SEAM METAL ROOF SYSTEM AT THE NORTHERN HALF OF THE MAIN ROOF WITH ASSOCIATED PREPARATION, AND PROTECTION OF WORK AREAS WITHIN THE ATTIC SPACE BELOW AS SPECIFIED IN THE PROJECT MANUAL, AND IN THESE DRAWINGS.  
4.4. FOR THE NORTHERN HALF OF THE BUILDING ONLY: INSTALLATION OF NEW PERIMETER METAL, GUTTERS, DOWNSPOUTS, LOUVERED DORMERS, AND SNOW GUARD, AND OTHER ACCESSORY WORK AS SPECIFIED IN THE PROJECT MANUAL AND IN THESE DRAWINGS.  
4.5. REMOVAL AND REPLACEMENT OF THE EXISTING SHEETMETAL DORMERS WITH NEW SPECIALLY FABRICATED DORMERS WITH SKIRTS/CHIMES DESIGNED FOR INSTALLATION IN THE NEW STANDING SEAM METAL ROOF SYSTEM.  
4.6. REMOVAL AND REPLACEMENT OF THE EXISTING LONG-SPAN ROOF SYSTEMS AT THE CONNECTOR CORNER MEANS ROOF SYSTEMS AND OTHER ACCESSORY WORK AS SPECIFIED IN THE PROJECT MANUAL AND IN THESE DRAWINGS.
- BID ALTERNATE 01 SCOPE OF WORK INCLUDES (REFER TO KEY PLAN):  
5.1. WORK SCOPE LISTED IN ITEMS 4.1, 4.2, 4.3, 4.4, AND 4.5 FOR THE SOUTHERN HALF OF THE BUILDING.
- COMPLETE ROOF BEARING EXTENSION INSTALLATION AND INSTALLATION OF PROTECTION MATERIALS AND VENTILATION EQUIPMENT WITHIN THE ATTIC SPACES PRIOR TO THE START OF RETROFIT FRAMING INSTALLATION. REMOVE EXISTING GUTTER AND DOWNSPOUTS FROM THE MAIN ROOF AREA TO ALLOW FOR INSTALLATION OF NEW ROOF SYSTEM. PROVIDE TEMPORARY PROTECTION TO MAINTAIN A WATER-TIGHT CONDITION. INSPECT EXPOSED WOOD BLOCKING AND MAKE REPAIRS WHERE DETERMINED TO ENSURE ADEQUATE SUBSTRATE FOR INSTALLATION OF THE NEW ROOF SYSTEM. AN ESTIMATED QUANTITY OF WOOD BLOCKING REPLACEMENT IS INCLUDED IN THE BASE BID.
- INSTALL NEW RETROFIT SYSTEM SUBSTRUCTURE TO SUPPORT THE NEW STANDING SEAM METAL ROOF SYSTEM. INSTALL NEW BASE CLIPS/SHOES SECURED THROUGH THE EXISTING SHINGLED ROOF SYSTEM INTO THE EXISTING STEEL FRAMING TO PROVIDE ATTACHMENT POINTS FOR THE NEW RETROFIT PURLINS. WHERE SUPPLEMENTAL PURLINS ARE REQUIRED BETWEEN EXISTING STRUCTURAL STEEL, INSTALL PURLINS AND PROVIDE SUPPLEMENTAL FRAMING BETWEEN PURLINS TO SUPPORT INTERMEDIATE PURLINS. INSTALL RAKE/RAVE ANGLES, GUEST CEARS, STRAPPING, BRACING AND FLASHING TO PROVIDE PROTECTION TO EXISTING STRUCTURE AND PROVIDE WEATHER RESISTANT BARRIERS AND NEW FRAMING SYSTEM IN ACCORDANCE WITH THE PROJECT DOCUMENTS AND REQUIRED SEALED SHIP DRAWINGS AND CALCULATIONS BY THE ROOF SYSTEM MANUFACTURER. PERFORM FASTENER PULL TESTING TO CONFIRM ADEQUATE WIND UPLIFT RESISTANCE OF CONNECTION TO THE EXISTING STRUCTURAL MEMBERS (STEEL FRAMING AND PERIMETER WOOD BLOCKING). ALL PENETRATIONS MADE THROUGH THE SHINGLES MUST BE MAINTAINED IN A WATER-TIGHT CONDITION.
- INSTALL NEW PRE-FINISHED STANDING SEAM METAL ROOF PANELS SECURED TO THE PURLINS WITH FLOATING CLIPS. REFER TO SHEET 3.0 FOR ADDITIONAL INFORMATION. REMOVE AND DISPOSE OF EXISTING LOW-PROFILE VENTS AND CURBS/DORMERS THAT CONFLICT WITH NEW INSTALLATION. INSTALL NEW PRE-FABRICATED CURBS, NEW VENTS WITH FLAT PAN CURB, NEW HALF-ROUND DORMER CURBS WITH LOUVERS, AND ALL ASSOCIATED SUPPLEMENTAL FRAMING REQUIRED FOR PROPER SUPPORT OF THE PENETRATION CURBS AND FLASHING.
- PROTECT EXISTING BUILDING INTERIOR, FINISHES, AND CONTENTS FROM DAMAGE DUE TO WATER ENTRY OR DEBRIS DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A WATER-TIGHT CONDITION PRIOR TO THE END OF EACH WORK DAY AND FOR HAVING MATERIALS READILY AVAILABLE ON-SITE FOR TEMPORARY PROTECTION OF THE WORK IN THE EVENT OF UNEXPECTED INCLEMENT WEATHER. IF DAMAGE OCCURS THE CONTRACTOR IS RESPONSIBLE FOR MAKING REPAIRS/REPLACEMENT AS NECESSARY TO RETURN THE DAMAGE ITEM/FINISH/SYSTEM TO THE CONDITION IT WAS IN PRIOR TO DAMAGE.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THE STORAGE AND STAGING AREAS(S) SHOWN OR OTHER AREAS OF THE BUILDING FROM DAMAGE DUE TO CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN CLEAR ACCESS TO ALL ACCEPTABILITY AREAS USED FOR CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN CLEAR ACCESS TO THE END OF THE PROJECT. NO INTERFERENCE OF UTILITIES MAY OCCUR UNLESS AGREED UPON IN ADVANCE WITH THE OWNER. ELECTRICAL SERVICES, WIRES, EQUIPMENT, UTILITIES, STORM DRAIN LINES, ETC. MAY EXIST WITHIN OR DIRECTLY ADJACENT TO THE PROPOSED STORAGE AND STAGING AREA AND ROOF ACCESS POINTS). LOCATE, MARK, AND PROTECT THESE FEATURES TO ALLOW FOR PROTECTION DURING THE WORK. PROVIDE ORANGE SAFE FENCING WITH NON-PENETRATING WEIGHTED BASES AROUND ALL STORAGE AND STAGING AREAS. MAINTAIN SAFE INGRESS AND EGRESS FROM THE BUILDING AND DO NOT BLOCK VEHICULAR OR PEDESTRIAN ACCESS TO THE BUILDING WITHOUT ADVANCE COORDINATION WITH THE OWNER.
- FOLLOW ALL SPECIFIC REQUIREMENTS OF THE CASWELL DEVELOPMENTAL CENTER TO ENSURE THE SAFETY OF BUILDING OCCUPANTS DURING CONSTRUCTION INCLUDING SECUREMENT AND SUPERVISION OF ALL LABORS. TOOLS, EQUIPMENT, VEHICLES, AND STORED MATERIALS, PROVIDE FENCING AROUND STAGING AND STORAGE AREAS. THE CONTRACTOR MAY REQUIRE AN ESCORT TO ENTER THE BUILDING TO ACCESS THE ATTIC SPACE FOR PURLIN BEARING EXTENSION AND ASBESTOS PROTECTION AND MONITORING.



**KEY PLAN**

**BID SET**

**ATLAS ENGINEERING, INC.**  
551A Pylon Drive  
Raleigh, North Carolina 27606  
(919) 420-7676  
LIC.# C-1349

NOTED AND APPROVED FOR THE PROJECT:  
KELLY E. WOOD  
03/06/2024

**NEW RETROFIT FRAMING PLAN**  
BYRUM BUILDING ROOF REPLACEMENT  
CASWELL DEVELOPMENTAL CENTER, KINSTON, NC  
SCO ID#: 22-25783-01A; CODE:42240; ITEM:4T04

No.	REVISION	By	Date

DRAWN BY: TJF  
ENGINEER: KEW  
APPROVAL: KEW  
DATE: 3/06/2024  
PROJ.: J2740 SCALE: AS SHOWN  
DWG. NO.

**2.0**











