



Primary Health Network is accepting bids for the repair of the parking garage located at 129 Pitt Street Sharon, PA, 16146.

Details

The parking garage needs several repairs on multiple levels; however, the critical portion of the work will be located on the basement level. Temporary shoring has been put in place. The **attached structural engineering drawings** and scope of repairs best outline the work needed to complete this project.

PHN acknowledges that access to employee and public parking in the parking garage during construction may be modified, however, accommodations must be made such that portions of the parking garage remain open and available during construction.

Bids for the repairs should be as detailed as possible, and bid submission should follow the Repair Legend and related repair item number markers.

Site Visits

Robert Holbert, Director of Facilities (contact information below), can be contacted to schedule a time to view/tour each location, or field any questions regarding the request for quotes.

Robert Holbert, Director of Facilities, Phone: 724-977-6481, Email: rholtbert@primary-health.net

Bid Submission

Carl Sizer, CFO, will receive bids via email at finance@primary-health.net or in-person/USPS Mail at 118 Vine Avenue, Sharon, PA 16146. Best and final bids should be **submitted to Carl Sizer by Friday, 9-26-25**.

PARKING STRUCTURE REPAIRS

41 NORTH RAILROAD STREET - SHARON, PENNSYLVANIA

ISSUED FOR REVIEW

PROJECT DIRECTORY

OWNER:
The Primary Health Network
118 Vine Street
Sharon, PA 16146
-

Engineer of Record:
Churches Engineering LLC
125 Technology Drive Suite 201
Canonsburg, PA 15317
(724) 229-5455 ext 300
Engineer in Charge: Charles H. Churches
General Contractor:
-
-
-
-

| ABBREVIATIONS | | |
|----------------------------------------------------------------|------------------------------------------------|-------------------------------------------|
| AFF Above Finished Floor | ELEV Elevation | M Men's Rest Room |
| AFG Above Finished Grade | ELEC Electric | MTD Mounted |
| ASC Above Suspended Ceiling | EQ Electrical Contractor | NEC National Electric Code |
| ACT Acoustic Ceiling Tile | EQ Equal | NFPA National Fire Protection Association |
| ABS Acrylonitrile Butadiene Styrene | EQUIP Equipment | N North |
| AC Air Conditioning | EIS Exterior Insulation & Finish System | N/A Not Applicable |
| ALUM Aluminum | EXIST Existing | NIC Not in Contract |
| ADA Americans with Disabilities Act | EXT Exterior | NTS Not to Scale |
| ADAAG Americans with Disabilities Act Accessibility Guidelines | EXH Exhaust | (#) NO Number |
| ANSI American National Standards Institute | HAA Fair Housing Amendments Act | OCC Occupant(s) |
| ASTM American Society for Testing and Materials | FRP Fiberglass Reinforced Plastic | OC On Center |
| AWG American Wire Gage | FIN Finished | OSB Oriented Strand Board |
| AMP Ampere | FFE Finished Floor Elevation | OD Outside Diameter |
| APT Apartment | FE Fire Extinguisher | PL Plate |
| APPROX Approximate | FEC Fire Extinguisher Cabinet | PLC Plumbing Contractor |
| AR Area of Refuge | FL Floor | PLYWD Plywood |
| ACM Asbestos Containing Materials | FD Floor Drain | PVC Polyvinyl Chloride |
| AVE Avenue | (1) FT Foot | PR Powder Room |
| AVG Average | FURN Furnace | PREFAB Prefabricated |
| BSMT Basement | GA Gage or Gauge | PUC Public Utility Commission |
| BM Beam | GALV Galvanized | RWC Rain Water Conductor |
| BRG Bearing | GC General Contractor | RECP Receptacle |
| BLK Blocking | GFJ Ground Fault Interrupted | REF Reflected Ceiling Plan |
| BD Board | GYP BD Gypsum Board | REF Refrigerator |
| BOT Bottom | HC Handicapped | REIN Reinforce |
| B/ Bottom of _____ | HDR Header | REQ Required |
| BTU British Thermal Unit | HV Hearing & Vision Impaired | RR Rest Room |
| BLDG Building | HT Height | R/W Right of Way |
| BOCA Building Officials & Code Administrators | HVAC Heating, Ventilating and Air Conditioning | RD Roof Drain |
| CB Catch Basin | HB Hose Bldg | RO Rough Opening |
| CLG Ceiling | HW Hot Water | SCH Schedule |
| CIR BKR Circuit Breaker | IIC Impact Insulation Class | SH Shelves |
| CO Clean Out | ICF Insulated Concrete Form | SIM Similar |
| CLR Clear | ICC International Code Council | STC Sound Transmission Class |
| CL Closet | IEBC International Existing Building Code | SPEC Specification |
| CW Cold Water | IRC International Residential Code | SQ Square |
| COL Column | (1) IN Inch | SF Square Feet |
| COMP Computer | INFO Information | ST Steel |
| CONC Concrete | ID Inside Diameter | THK Thickness |
| CMU Concrete Masonry Unit | INT Interior | T&G Tongue & Groove |
| CJ Control Joint | INV Invert | TSS To Be Selected |
| CRS Course | JC Janitor's Closet | T/ Top of _____ |
| CABO Council of American Building Officials | JT Joint | TYP Typical |
| CU FT Cubic Feet | KIT Kitchen | UL Underwriters Laboratory |
| CU IN Cubic Inch | L&I Labor and Industry | UNFIN Unfinished |
| CU YD Cubic Yard | LAV Lavatory | USPS United States Postal Service |
| DEMO Demolition | LC Linen Closet | UFAS Uniform Accessibility Standards |
| DEPT Department | MAINT Maintenance | UCC Uniform Construction Code |
| (Ø) DIA Diameter | MH Manhole | UNO Unless Noted Otherwise |
| DIM Dimension | MFR Manufacturer | VTR Vent Through Roof |
| DW Dishwasher | MO Masonry Opening | VIF Verify in Field |
| DBL Double | MATL Material | VERT Vertical |
| DN Down | MAX Maximum | W Washer |
| DS Down Spout | MIN Minimum | WC Water Closet |
| DWG Drawing | MECH Mechanical Contractor | WH Water Heater |
| D Dryer | | WWF Welded Wire Fabric |
| EA Each | | WDW Window |
| EW Each Way | | W/ With |
| | | W Women's Rest Room |
| | | WD Wood |
| | | WP Working Point |
| | | YD Yard |

DRAWING SYMBOLS

NOTE: NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT

WALL TYPE TAG

1

DOOR REFERENCE TAG

1

SIGN REFERENCE TAG

1

WINDOW REFERENCE TAG

1

SIDING OR EXTERIOR FINISH REFERENCE TAG

1

WORK POINT REFERENCE TAG

1

ELEVATION MARKER

1

ROOM NAME

101

ROOM NUMBER REFERENCE

1

PHOTO REFERENCE TAG, ARROW INDICATES DIRECTION OF PHOTO

1

DETAIL REFERENCE TAG

1

BUILDING ELEVATION REFERENCE

1

BUILDING SECTION REFERENCE

1

INTERIOR ELEVATION REFERENCE

1

FIRE EXTINGUISHER

1

FIRE EXTINGUISHER IN CABINET

1

ACCESSIBLE CLEAR FLOOR SPACE SYMBOL

1

ACCESSIBLE 60" TURNING SPACE SYMBOL

1

EXISTING WALL TO REMAIN

1

EXISTING WALL TO BE REMOVED

1

NEW STUD WALL - FULL HEIGHT

1

NEW STUD WALL w/ BRICK VENEER

1

NEW MASONRY WALL

1

NEW MASONRY WALL w/ BRICK VENEER

1

NEW CONCRETE WALL

1

NEW INSULATED CONCRETE FORM WALL

1

EXISTING DOOR TO BE REMOVED

1

NEW DOOR

1

WALL TYPE TAG

NUMBERED NOTE REFERENCE TAG

DOOR REFERENCE TAG

SIGN REFERENCE TAG

WINDOW REFERENCE TAG

SIDING OR EXTERIOR FINISH REFERENCE TAG

WORK POINT REFERENCE TAG

ELEVATION MARKER

ROOM NAME

ROOM NUMBER REFERENCE

PHOTO REFERENCE TAG, ARROW INDICATES DIRECTION OF PHOTO

DETAIL REFERENCE TAG

BUILDING ELEVATION REFERENCE

BUILDING SECTION REFERENCE

INTERIOR ELEVATION REFERENCE

FIRE EXTINGUISHER

FIRE EXTINGUISHER IN CABINET

ACCESSIBLE CLEAR FLOOR SPACE SYMBOL

ACCESSIBLE 60" TURNING SPACE SYMBOL

EXISTING WALL TO REMAIN

EXISTING WALL TO BE REMOVED

NEW STUD WALL - FULL HEIGHT

NEW STUD WALL w/ BRICK VENEER

NEW MASONRY WALL

NEW MASONRY WALL w/ BRICK VENEER

NEW CONCRETE WALL

NEW INSULATED CONCRETE FORM WALL

EXISTING DOOR TO BE REMOVED

NEW DOOR

| DRAWING INDEX | |
|---------------|--------------|
| NO. | TITLE |
| CS | COVER SHEET |
| C-1 | SITE DRAWING |

SITE

APPLICABLE CODES:

2018 International Building Code (IBC):

INDICATES APPLICABLE CODE

SITE LOCATION MAP Sharon, Pennsylvania

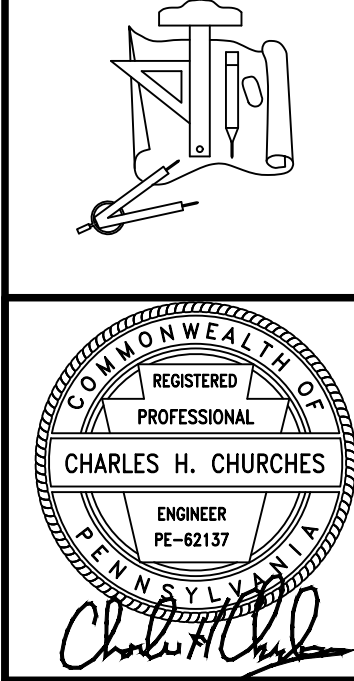
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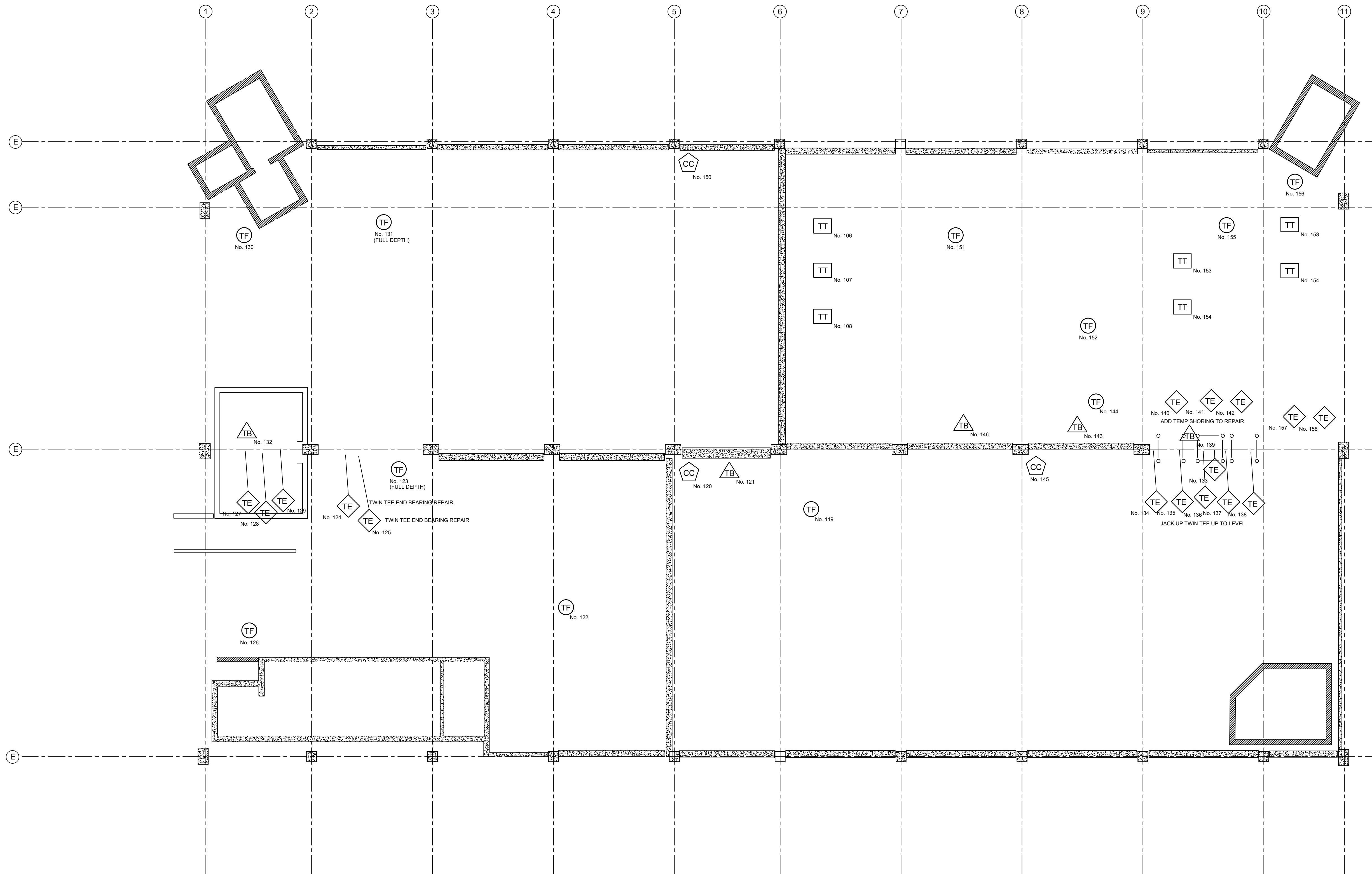
PARKING STRUCTURE REPAIRS FOR
The Primary Health Network
118 Vine Street
Sharon, PA 16146

COVER SHEET
Date: June 25, 2025
Project No. 25016

CS

Churches
Engineering
125 Technology Drive Suite 107
Canonsburg, Pennsylvania 15317
Ph. (724) 229-5455
Email: charles@churchesengineering.com





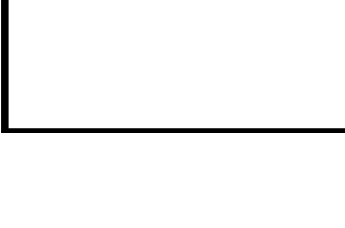
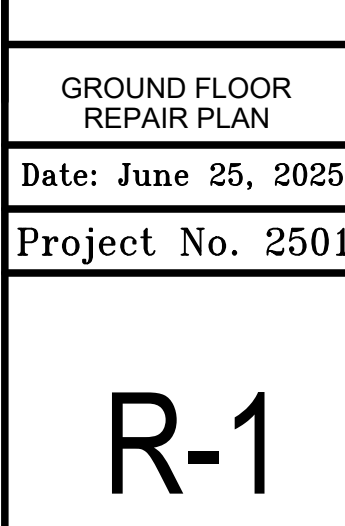
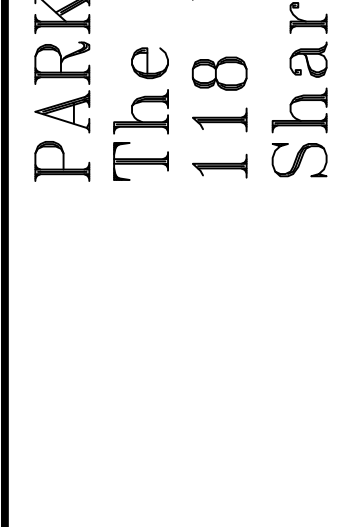
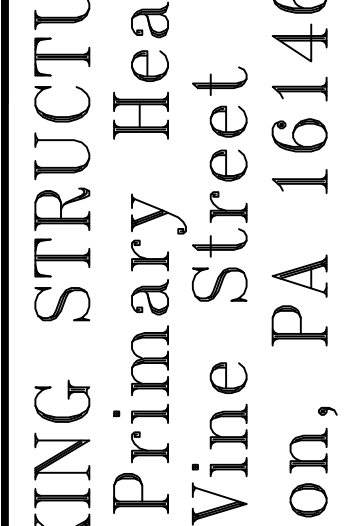
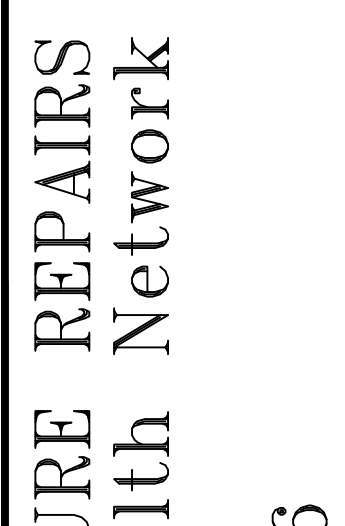
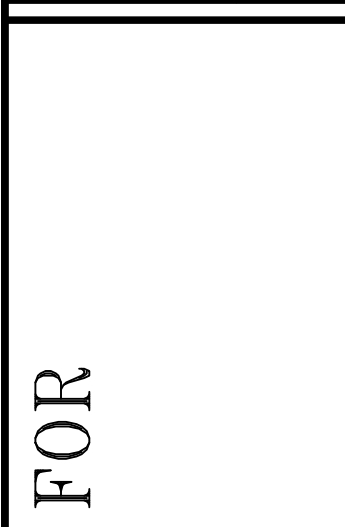
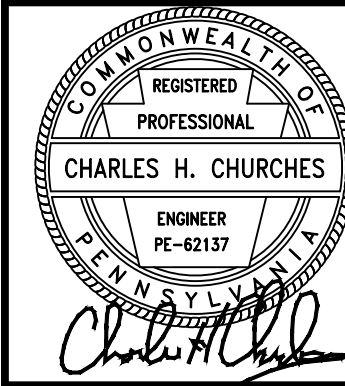
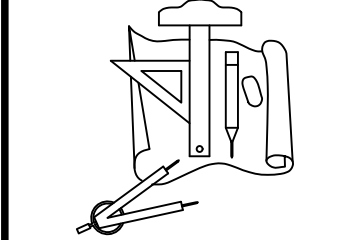
| REPAIR LEGEND | |
|---------------|----------------------------------------|
| TT | TWIN TEE TO TWIN TEE CONNECTION REPAIR |
| TF | UNDERSIDE OF TWIN TEE FLANGE REPAIR |
| TB | INVERTED TEE BEAM REPAIR |
| CC | CORNER OF CONCRETE COLUMN REPAIR |
| TW | TWIN TEE WEB SECTION REPAIR |
| TE | TWIN TEE END BEARING REPAIR |
| SR | SPANDREL BEAM REPAIR |

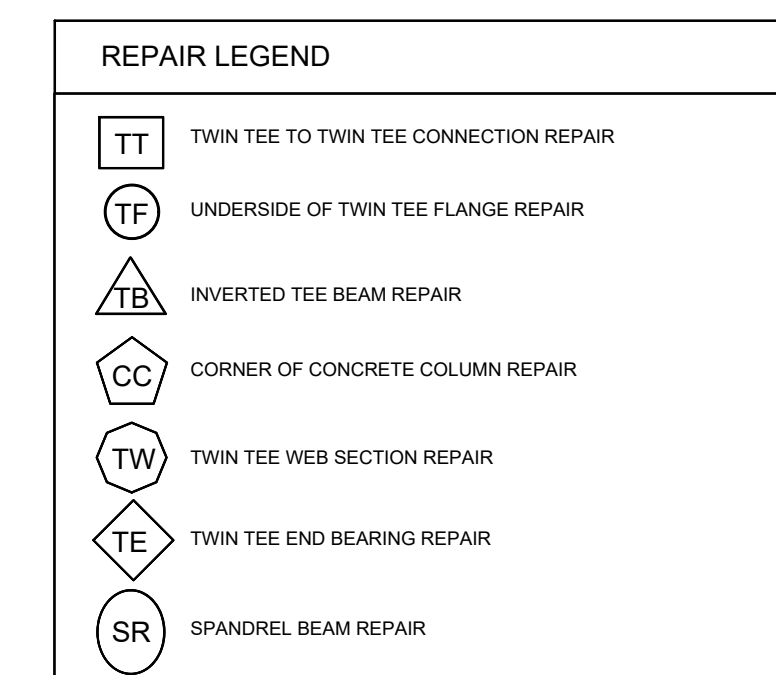
GROUND FLOOR LEVEL REPAIR PLAN
SCALE: 3/32" = 1'-0"

PARKING STRUCTURE REPAIRS FOR
The Primary Health Network
118 Vine Street
Sharon, PA 16146

GROUND FLOOR
REPAIR PLAN
Date: June 25, 2025
Project No. 25016

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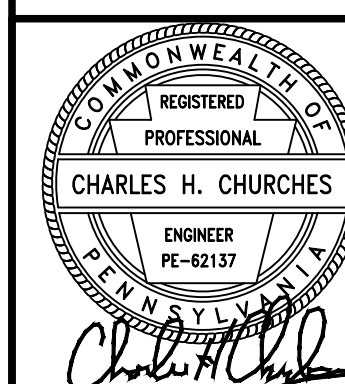
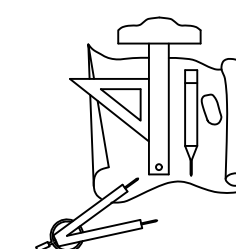


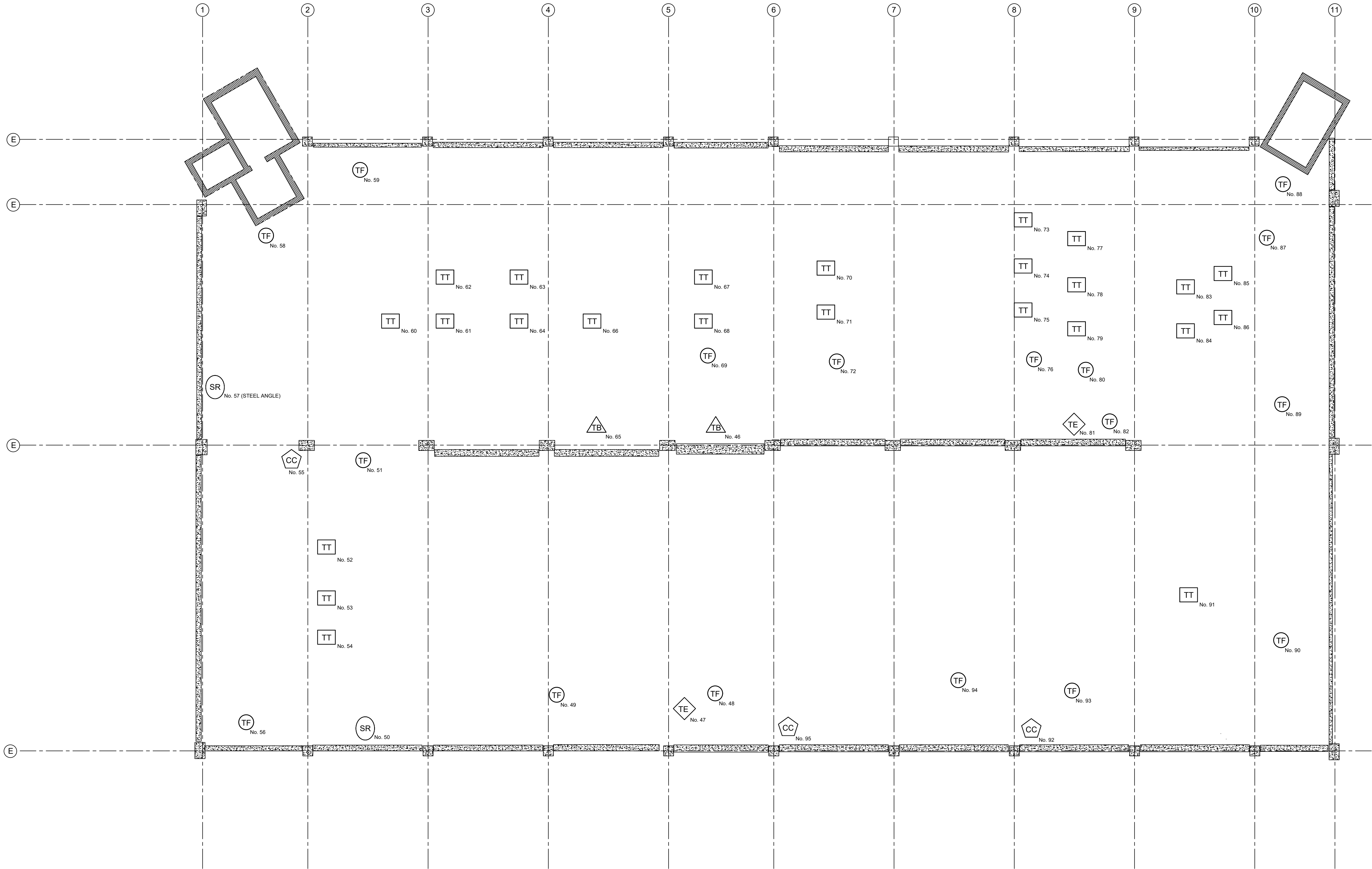
SCALE: 3/32" = 1'-0"

| |
|------------------------|
| LEVEL 2 REPAIR PLAN |
| Date: June 25, 2025 |
| Project No. 25016 |

R-2

**Churches
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Ph: (724) 223-5455
Email: charles@churchesengineering.com





| REPAIR LEGEND | |
|---------------|----------------------------------------|
| TT | TWIN TEE TO TWIN TEE CONNECTION REPAIR |
| TF | UNDERSIDE OF TWIN TEE FLANGE REPAIR |
| TB | INVERTED TEE BEAM REPAIR |
| CC | CORNER OF CONCRETE COLUMN REPAIR |
| TW | TWIN TEE WEB SECTION REPAIR |
| TE | TWIN TEE END BEARING REPAIR |
| SR | SPANDREL BEAM REPAIR |

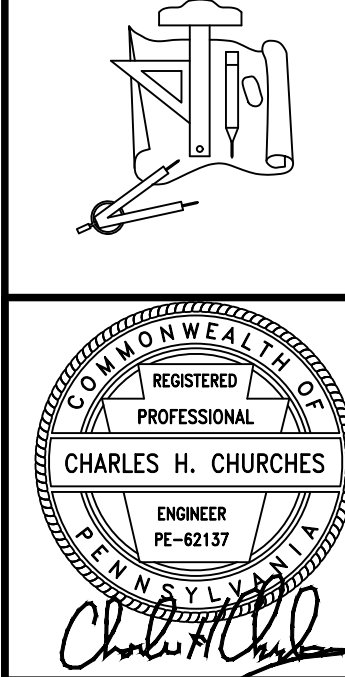
LEVEL 3 REPAIR PLAN

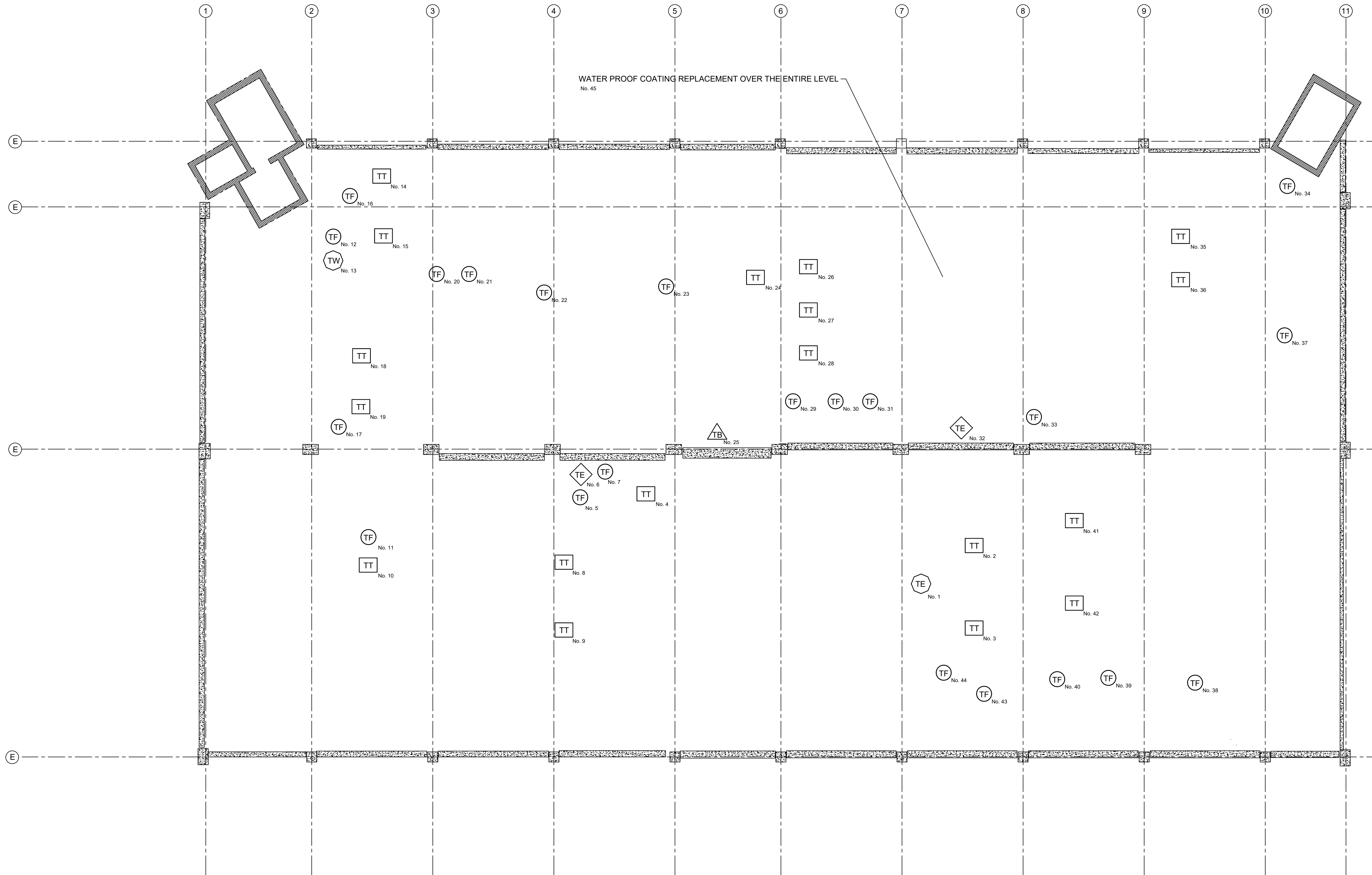
SCALE: 3/32" = 1'-0"

PARKING STRUCTURE REPAIRS FOR
The Primary Health Network
118 Vine Street
Sharon, PA 16146

LEVEL 3
REPAIR PLAN
Date: June 25, 2025
Project No. 25016

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| REPAIR LEGEND | |
|---------------|----------------------------------------|
| TT | TWIN TEE TO TWIN TEE CONNECTION REPAIR |
| TF | UNDERSIDE OF TWIN TEE FLANGE REPAIR |
| TB | INVERTED TEE BEAM REPAIR |
| CC | CORNER OF CONCRETE COLUMN REPAIR |
| TW | TWIN TEE WEB SECTION REPAIR |
| TE | TWIN TEE END BEARING REPAIR |
| SR | SPANDREL BEAM REPAIR |

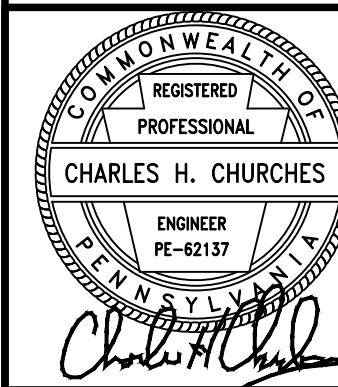
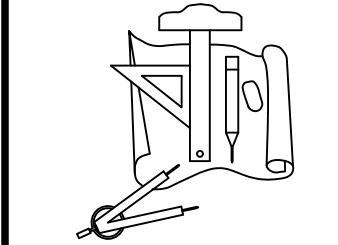
LEVEL 4 REPAIR PLAN

SCALE: 3/32" = 1'-0"

PARKING STRUCTURE REPAIRS FOR
The Primary Health Network
118 Vine Street
Sharon, PA 16146

LEVEL 4
REPAIR PLAN
Date: June 25, 2025
Project No. 25016

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Charles H. Churches

R-4

Repair Schedule

| mark No. | type | quantity or square footage | Remarks |
|----------|-----------------------------------|----------------------------|------------------------|
| 1 | TW- Twin Tee Web Repair | 5ft²2 | |
| 2 | TT - Tee to Tee Connection Repair | 1 | |
| 3 | TT - Tee to Tee Connection Repair | 1 | |
| 4 | TF - Tee to Tee Connection Repair | 1 | |
| 5 | TF- Underside of Tee Flange | 12ft²2 | |
| 6 | TE- Tee end bearing repair | 1 | |
| 7 | TF- Underside of Tee Flange | 15ft²2 | |
| 8 | TT - Tee to Tee Connection Repair | 1 | |
| 9 | TT - Tee to Tee Connection Repair | 1 | |
| 10 | TT - Tee to Tee Connection Repair | 1 | |
| 11 | TF- Underside of Tee Flange | 5ft²2 | |
| 12 | TW- Twin Tee Web Repair | 10ft²2 | |
| 13 | TF- Underside of Tee Flange | 10ft²2 | |
| 14 | TT - Tee to Tee Connection Repair | 1 | |
| 15 | TT - Tee to Tee Connection Repair | 1 | |
| 16 | TF- Underside of Tee Flange | 15ft²2 | |
| 17 | TF- Underside of Tee Flange | 3ft²2 | |
| 18 | TT - Tee to Tee Connection Repair | 1 | |
| 19 | TT - Tee to Tee Connection Repair | 1 | |
| 20 | TF- Underside of Tee Flange | 7ft²2 | |
| 21 | TF- Underside of Tee Flange | 2ft²2 | |
| 22 | TF- Underside of Tee Flange | 5ft²2 | |
| 23 | TF- Underside of Tee Flange | 9ft²2 | |
| 24 | TT - Tee to Tee Connection Repair | 1 | |
| 25 | TB- Inverted Tee beam Repair | 10ft²2 | |
| 26 | TT - Tee to Tee Connection Repair | 1 | |
| 27 | TT - Tee to Tee Connection Repair | 1 | |
| 28 | TT - Tee to Tee Connection Repair | 1 | |
| 29 | TF- Underside of Tee Flange | 10ft²2 | |
| 30 | TF- Underside of Tee Flange | 15ft²2 | |
| 31 | TF- Underside of Tee Flange | 10ft²2 | |
| 32 | TE- Tee end bearing repair | 1 | |
| 33 | TF- Underside of Tee Flange | 20ft²2 | |
| 34 | TF- Underside of Tee Flange | 18ft²2 | |
| 35 | TT - Tee to Tee Connection Repair | 1 | |
| 36 | TT - Tee to Tee Connection Repair | 1 | |
| 37 | TF- Underside of Tee Flange | 22ft²2 | |
| 38 | TF- Underside of Tee Flange | 2ft²2 | |
| 39 | TF- Underside of Tee Flange | 2ft²2 | |
| 40 | TF- Underside of Tee Flange | 6ft²2 | |
| 41 | TT - Tee to Tee Connection Repair | 1 | |
| 42 | TT - Tee to Tee Connection Repair | 1 | |
| 43 | TF- Underside of Tee Flange | 6ft²2 | |
| 44 | TF- Underside of Tee Flange | 6ft²2 | |
| 45 | Replace Floor Coating | 26,668ft²2 | |
| 46 | TB- Inverted Tee beam Repair | 2ft²2 | |
| 47 | TE- Tee end bearing repair | 1 | |
| 48 | TF- Underside of Tee Flange | 4ft²2 | |
| 49 | TF- Underside of Tee Flange | 22ft²2 | |
| 50 | SR- Spandrel Beam Repair | 8ft²2 | |
| 51 | TF- Underside of Tee Flange | 8ft²2 | |
| 52 | TT - Tee to Tee Connection Repair | 1 | |
| 53 | TT - Tee to Tee Connection Repair | 1 | |
| 54 | TT - Tee to Tee Connection Repair | 1 | |
| 55 | OC- Concrete Column Repair | 1 | |
| 56 | TF- Underside of Tee Flange | 2ft²2 | steel angle connection |
| 57 | SR- Spandrel Beam Repair | 4ft²2 | |
| 58 | TF- Underside of Tee Flange | 4ft²2 | |
| 59 | TF- Underside of Tee Flange | 12ft²2 | |
| 60 | TT - Tee to Tee Connection Repair | 1 | |
| 61 | TT - Tee to Tee Connection Repair | 1 | |
| 62 | TT - Tee to Tee Connection Repair | 1 | |
| 63 | TT - Tee to Tee Connection Repair | 1 | |
| 64 | TT - Tee to Tee Connection Repair | 1 | |
| 65 | TB- Inverted Tee beam Repair | 4ft²2 | |
| 66 | TT - Tee to Tee Connection Repair | 1 | |
| 67 | TT - Tee to Tee Connection Repair | 1 | |
| 68 | TT - Tee to Tee Connection Repair | 1 | |
| 69 | TF- Underside of Tee Flange | 4ft²2 | |
| 70 | TT - Tee to Tee Connection Repair | 1 | |
| 71 | TT - Tee to Tee Connection Repair | 1 | |
| 72 | TF- Underside of Tee Flange | 6ft²2 | |
| 73 | TT - Tee to Tee Connection Repair | 1 | |
| 74 | TT - Tee to Tee Connection Repair | 1 | |
| 75 | TT - Tee to Tee Connection Repair | 1 | |
| 76 | TF- Underside of Tee Flange | 4ft²2 | |
| 77 | TT - Tee to Tee Connection Repair | 1 | |
| 78 | TT - Tee to Tee Connection Repair | 1 | |
| 79 | TT - Tee to Tee Connection Repair | 1 | |
| 80 | TF- Underside of Tee Flange | 6ft²2 | |

Repair Schedule

| mark No. | type | quantity or square footage | Remarks |
|----------|-----------------------------------|----------------------------|------------------|
| 81 | TE- Tee end bearing repair | 1 | |
| 82 | TT - Tee to Tee Connection Repair | 1 | |
| 83 | TT - Tee to Tee Connection Repair | 1 | |
| 84 | TT - Tee to Tee Connection Repair | 1 | |
| 85 | TT - Tee to Tee Connection Repair | 1 | |
| 86 | TT - Tee to Tee Connection Repair | 1 | |
| 87 | TF- Underside of Tee Flange | 4ft²2 | |
| 88 | TF- Underside of Tee Flange | 8ft²2 | |
| 89 | TF- Underside of Tee Flange | 2ft²2 | |
| 90 | TF- Underside of Tee Flange | 6ft²2 | |
| 91 | TT - Tee to Tee Connection Repair | 1 | |
| 92 | OC- Concrete Column Repair | 1 | |
| 93 | TF- Underside of Tee Flange | 4ft²2 | |
| 94 | TF- Underside of Tee Flange | 4ft²2 | |
| 95 | OC- Concrete Column Repair | 1 | |
| 96 | TT - Tee to Tee Connection Repair | 1 | |
| 97 | TT - Tee to Tee Connection Repair | 1 | |
| 98 | TT - Tee to Tee Connection Repair | 1 | |
| 99 | TT - Tee to Tee Connection Repair | 1 | |
| 100 | OC- Concrete Column Repair | 1 | |
| 101 | SR- Spandrel Beam Repair | 1 | |
| 102 | TT - Tee to Tee Connection Repair | 1 | |
| 103 | TT - Tee to Tee Connection Repair | 1 | |
| 104 | TT - Tee to Tee Connection Repair | 1 | |
| 105 | TB- Inverted Tee beam Repair | 4ft²2 | |
| 106 | TT - Tee to Tee Connection Repair | 1 | |
| 107 | TT - Tee to Tee Connection Repair | 1 | |
| 108 | TT - Tee to Tee Connection Repair | 1 | |
| 109 | TF- Underside of Tee Flange | 8ft²2 | |
| 110 | OC- Concrete Column Repair | 1 | |
| 111 | TT - Tee to Tee Connection Repair | 1 | |
| 112 | TT - Tee to Tee Connection Repair | 1 | |
| 113 | TT - Tee to Tee Connection Repair | 1 | |
| 114 | TT - Tee to Tee Connection Repair | 1 | |
| 115 | TF- Underside of Tee Flange | 4ft²2 | |
| 116 | TT - Tee to Tee Connection Repair | 1 | |
| 117 | TB- Inverted Tee beam Repair | 4ft²2 | |
| 118 | TF- Underside of Tee Flange | 6ft²2 | |
| 119 | TF- Underside of Tee Flange | 5ft²2 | |
| 120 | TB- Inverted Tee beam Repair | 1 | |
| 121 | OC- Concrete Column Repair | 1 | |
| 122 | TF- Underside of Tee Flange | 12ft²2 | |
| 123 | TF- Underside of Tee Flange | 16ft²2 | full depth |
| 124 | TE- Tee end bearing repair | 1 | |
| 125 | TE- Tee end bearing repair | 1 | |
| 126 | TF- Underside of Tee Flange | 4ft²2 | |
| 127 | TE- Tee end bearing repair | 1 | |
| 128 | TE- Tee end bearing repair | 1 | |
| 129 | TE- Tee end bearing repair | 1 | |
| 130 | TF- Underside of Tee Flange | 8ft²2 | |
| 131 | TF- Underside of Tee Flange | 40ft²2 | |
| 132 | TB- Inverted Tee beam Repair | 6ft²2 | |
| 133 | TE- Tee end bearing repair | 1 | jack up to level |
| 134 | TE- Tee end bearing repair | 1 | jack up to level |
| 135 | TE- Tee end bearing repair | 1 | jack up to level |
| 136 | TE- Tee end bearing repair | 1 | jack up to level |
| 137 | TE- Tee end bearing repair | 1 | jack up to level |
| 138 | TE- Tee end bearing repair | 1 | jack up to level |
| 139 | TB- Inverted Tee beam Repair | 1 | |
| 140 | TE- Tee end bearing repair | 1 | |
| 141 | TE- Tee end bearing repair | 1 | |
| 142 | TE- Tee end bearing repair | 1 | |
| 143 | TB- Inverted Tee beam Repair | 1 | |
| 144 | TF- Underside of Tee Flange | 8ft²2 | |
| 145 | OC- Concrete Column Repair | 1 | |
| 146 | TB- Inverted Tee beam Repair | 1 | |
| 147 | TT - Tee to Tee Connection Repair | 1 | |
| 148 | TT - Tee to Tee Connection Repair | 1 | |
| 149 | TT - Tee to Tee Connection Repair | 1 | |
| 150 | OC- Concrete Column Repair | 1 | |
| 151 | TF- Underside of Tee Flange | 8ft²2 | |
| 152 | TF- Underside of Tee Flange | 15ft²2 | |
| 153 | TT - Tee to Tee Connection Repair | 1 | |
| 154 | TT - Tee to Tee Connection Repair | 1 | |
| 155 | TF- Underside of Tee Flange | 16ft²2 | |
| 156 | TF- Underside of Tee Flange | 16ft²2 | |

DESIGN CRITERIA

DESIGN PER 2018 INTERNATIONAL BUILDING CODE, UNLESS OTHERWISE NOTED

STAIRS _____ 100 PSF
FLOORS _____ 40 PSF
CORRIDORS _____ 100 PSF
LOBBIES _____ 100 PSF

WIND LOADS:
BASIC WIND SPEED: (ASCE 7) _____ 175 MPH
WIND IMPORTANCE FACTOR _____ 1.0
WIND EXPOSURE _____ C
SHAPE FACTORS _____ PER CODE
INTERNAL PRESSURE COEFFICIENT _____ ± 0.18

SNOW LOADS
GROUND SNOW LOAD _____ 0 PSF
EXPOSURE FACTOR _____ ?
THERMAL FACTOR _____ ?
IMPORTANCE FACTOR _____ ?

SEISMIC:
0.2 SECOND SPECTRAL RESPONSE ACCELERATION – S_s _____ 12.7
1.0 SECOND SPECTRAL RESPONSE ACCELERATION – S₁ _____ 5.4
SITE CLASS _____ D
SEISMIC USE GROUP _____ I
SEISMIC DESIGN CATEGORY _____ A
BASIC SEISMIC – FORCE RESISTING SYSTEM _____ ORDINARY PLAIN SHEAR WALLS
RESPONSE MODIFICATION COEFFICIENT _____ 6
DEFLECTION AMPLIFICATION FACTOR _____ 4
ANALYSIS PROCEDURE _____ EQUIV. LATERAL FORCE

CONCRETE (DESIGN PER CURRENT EDITION ACI 318)
SLAB ON GRADE _____ F'C = 4000 PSI
FOOTINGS _____ F'C = 4000 PSI
ALL OTHER CONCRETE _____ F'C = 4000 PSI

ALL REINFORCING STEEL ASTM A615 GRADE 60

ALL WELDED WIRE FABRIC ASTM A185

CONCRETE MASONRY (DESIGN PER CURRENT EDITION ACI 530)
COMPRESSIVE STRENGTH _____ F'M = 1500 PSI

GENERAL NOTES

UNLESS OTHERWISE NOTED (UON) ON THE DRAWINGS, MINIMUM COVER FOR REINFORCING SHALL BE AS FOLLOWS:
FOOTINGS _____ 3"
PILE CAPS _____ SEE TYP. DET.
GRADE BEAMS _____ 3"
COLUMNS AND PEDESTALS (OVER VERTICAL REINF.) _____ 2"
SLABS AND WALLS (EXPOSED TO EARTH, LIQUID, OR WEATHER) _____ 2"
SLABS AND WALLS (NOT EXPOSED TO EARTH, LIQUID, OR WEATHER) _____ 3/4"
CANOPY SLABS _____ 1 1/2"
BEAMS (OVER MAIN REINFORCING) _____ 1 1/2"
SLABS ON GRADE _____ 2" FROM TOP

ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES IN CONFORMANCE WITH CRSI MANUAL OF STANDARD PRACTICE AND ACI 315 DURING THE PLACING OF THE CONCRETE.

UNLESS OTHERWISE NOTED, SPLICES IN REINFORCING, WHERE PERMITTED, SHALL BE AS FOLLOWS:
WELDED WIRE FABRIC _____ WIRE SPACING PLUS 6".
REINFORCING BARS _____ 40 BAR DIAMETERS

ALL HOOKS IN REINFORCING BARS SHALL BE AN ACI STANDARD HOOK, UNLESS OTHERWISE NOTED.

REINFORCING IN BEAMS ORIENTED IN THE _____ DIRECTION SHALL BE PLACED IN THE OUTER LAYER AT INTERSECTION WITH BEAMS ORIENTED IN THE DIRECTION.

IN TWO-WAY SLABS, PLACE SHORT SPAN BARS IN OUTER LAYER.

WHERE THE PLACEMENT EXCEEDS LENGTH OF TOP BARS, PROVIDE #4 BARS IN EACH CORNER OF TIES.

WHERE MAIN REINFORCING IN ONE SLAB RUNS PERPENDICULAR TO MAIN REINFORCING IN ADJACENT SLAB, EXTEND TOP BARS 3'-0" INTO THE ADJACENT SLAB.

PROVIDE #3 X 3'-0" LONG BARS HOOKED ON ONE END AT 12" O.C. IN TOP OF ALL BEAMS OR WALLS WHERE MAIN REINFORCING RUNS PARALLEL TO BEAM OR WALL AND THERE IS NO SLAB ON THE OTHER SIDE OF BEAM OR WALL.

PROVIDE #3x6'-0" LONG BARS AT TOP BAR SPACING IN TOP OF ALL SLABS OVER ALL BEAMS OR WALLS WHERE MAIN REINFORCING RUNS PARALLEL TO BEAM OR WALL ON BOTH SIDES.

DOWELS FROM FOUNDATIONS OR SLABS TO WALLS SHALL MATCH WALL REINFORCING, UNLESS OTHERWISE NOTED. DOWELS SHALL BE PLACED BEFORE CONCRETE IS POURED. THEY SHALL NOT BE PUSHED INTO THE CONCRETE.

PROVIDE 3/4" CHAMFER AT ALL EXPOSED CORNERS OF BEAMS, WALLS, ETC.

SPLICES IN TOP REINFORCING SHALL BE MADE AT MID-SPAN, UNLESS OTHERWISE NOTES.

SPLICES IN BOTTOM REINFORCING SHALL BE MADE OVER SUPPORTS, UNLESS OTHERWISE NOTED.

PROVIDE 1/2" PRE MOLDED EXPANSION JOINT MATERIAL WHERE SLAB ON GRADE IS POURED AROUND COLUMNS AND AGAINST GRADE BEAMS OR WALLS, UNLESS OTHERWISE SHOWN OR NOTED.

MASONRY

ALL LOAD BEARING WALLS AND EXTERIOR WALLS SHALL BE COMPOSED OF ASTM C90, TYPE II HOLLOW CONC MASONRY UNITS WITH ASTM C270, TYPE "S" MORTAR. GROUT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C476 AND HAVE A COMPRESSIVE STRENGTH OF 3000 psi.

ALL EXTERIOR CMU WALLS SHALL BE REINFORCED FULL HEIGHT IN A GROUT FILLED CELL WITH 1-#6 AT:
• EACH CORNER, WALL ENDS, WALL INTERSECTIONS,
• EACH SIDE OF CONTROL JOINTS,
• AND AT A MAXIMUM SPACING OF 4'-0" O.C., UON.

LAP VERTICAL BARS 4B DIAMETERS WITH WIRE TIES.

GROUT ALL CELLS CONTAINING VERTICAL REINFORCEMENT IN 5'-0" MAXIMUM LIFTS. DO NOT BEGIN PLACEMENT OF GROUT UNTIL ALIGNMENT OF CELLS ARE INSPECTED AND APPROVED.

FILL ALL CELLS BELOW FINISHED GRADE.

PROVIDE HORIZONTAL JOINT REINFORCEMENT IN WALLS AT 16" O.C. VERTICALLY, UON. IN ADDITION, INSTALL JOINT REINFORCING IN THE FIRST TWO MORTAR JOINTS ABOVE & BELOW OPENINGS, EXTENDING AT LEAST 24 INCHES BEYOND THE OPENING. PROVIDE HORIZONTAL JOINT REINFORCEMENT IN PARAPETS AND FREE STANDING WALLS & 8" OC VERTICALLY. LAP JOINT REINFORCEMENT 6" MINIMUM.

SEE ARCHITECTURAL DRAWING FOR EXPANSION OR CONTROL JOINTS. IF NOT SHOWN, LOCATE VERTICAL CONTROL JOINTS AT 25'-0" O.C. MAXIMUM, BUT NOT LESS THAN 2'-0" FROM A JOIST OR BEAM BEARING PLATE. AT BUILDING CORNERS, PROVIDE ONE JOINT IN ONE OF THE TWO WALL SIDES NO MORE THAN 5'-0" FROM THE BUILDING CORNER.

ALL PRECAST OR POURED LINTELS SHALL BE REINFORCED WITH TWO #4 TOP & BOTTOM WITH #3 TIES @ 12" AS A MINIMUM AND HAVE A MINIMUM MASONRY END BEARING OF 8".

BOND/TIE BEAM REINFORCEMENT SHALL BE CONTINUOUS ACROSS CONTROL JOINTS.

16" U-BLOCK OR BOND BEAM SHALL CONSIST OF AN 8" U-BLOCK UNDER A KNOCK-OUT BLOCK.

PROVIDE SPACERS TO HOLD BARS IN PLACE FOR BARS SPECIFIED TO BE EACH FACE.

MASONRY WORK SHALL BE INSPECTED IN ACCORDANCE WITH ACI 530-99 QUALITY ASSURANCE LEVEL ?? (LEVEL 2 – NONESSENTIAL, LEVEL 3 – ESSENTIAL FACILITIES).

SUPPLEMENTARY NOTES

PROVIDE ALL TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. THE STRUCTURE SHOULD NOT BE CONSIDERED STABLE UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN CONSTRUCTED.

CHURCHES CONSULTING ENGINEERS OR ANY OF IT'S EMPLOYEES SHALL NOT HAVE CONTROL OR BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES OR SEQUENCES FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, OR ANY OTHER PERSONS PERFORMING THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS.

ALL STRUCTURAL OPENINGS AROUND OR AFFECTED BY MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT SHALL BE VERIFIED WITH EQUIPMENT PURCHASED BEFORE PROCEEDING WITH STRUCTURAL WORK AFFECTED.

CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS OF EXISTING STRUCTURE AND SITE THAT ARE AFFECTED BY NEW WORK BEFORE PROCEEDING WITH FABRICATION AND CONSTRUCTION.

EMBEDMENT FOR EXPANSION BOLTS SHALL BE 3 1/4" MINIMUM FOR 3/4"Ø BOLTS IN CONCRETE, 5 1/4" IN GROUTED MASONRY. HILTI KWIK BOLT II OR EQUAL.

EPOXY GROUT SHALL BE POWER FAST CARTRIDGE SYSTEM BY RAWL, HY150 CARTRIDGE SYSTEM BY HILTI: (HILTI RES00, IF HOLE IS CORED INSTEAD OF DRILLED) OR APPROVED EQUAL, UON. EMBEDMENT SHALL BE 12 BAR DIAMETER MINIMUM, UON. HOLES SHALL BE ½" LARGER THAN REBAR SIZE & ¾" LARGER THAN THREADED ROD SIZE. HOLE SHALL BE BRUSHED OUT WITH BOTTLE BRUSH AND THEN BLOWN OUT WITH AIR USING A COMPRESSOR WITH A FUNCTIONAL OIL TRAP. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS PRINTED INSTRUCTIONS.

ANY ENGINEERING DESIGN PROVIDED BY OTHERS SHALL BE SUBMITTED FOR REVIEW, AND SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT.

ALL ANGLES, BARS, ANCHORS, ANCHOR BOLTS, ETC. EMBEDDED IN CONCRETE SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.

GENERAL CONTRACTOR MUST REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO ARCHITECT/ENGINEER. SUBMITTALS WHICH DO NOT CONTAIN THE CONTRACTOR'S SHOP DRAWING STAMP OR HAVE BEEN MERELY "RUBBER STAMPED" SHALL BE RETURNED WITHOUT REVIEW.

CHANGES TO THE CONTRACT DOCUMENTS SHALL BE CLOUDED ON SHOP DRAWINGS OR REQUESTED IN WRITING. THE CONTRACTOR IS LIABLE FOR ANY DEVIATIONS UNLESS REVIEWED AND ACKNOWLEDGED BY THE ENGINEER. SHOP DRAWING SUBMITTALS SHALL ONLY BE CHECKED FOR CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION SHOWN ON THE CONSTRUCTION DOCUMENTS.

SPECIFICATIONS

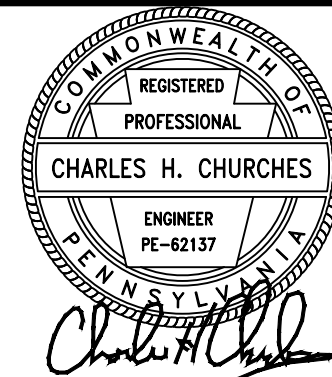
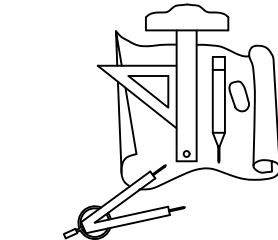
CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"(LATEST EDITION). EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

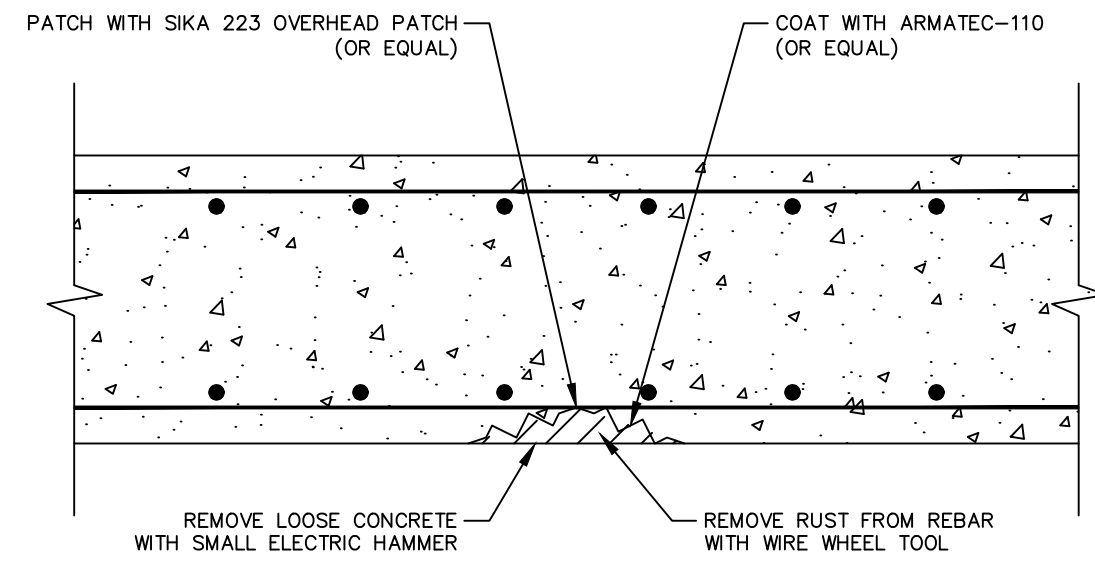
MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF "SPECIFICATIONS FOR MASONRY STRUCTURES – ACI 530.1/ASCE 6" (LATEST EDITION), EXCEPT AS MODIFIED BY REQUIREMENTS OF THE CONTRACT DOCUMENTS.

REPAIR SCHEDULE

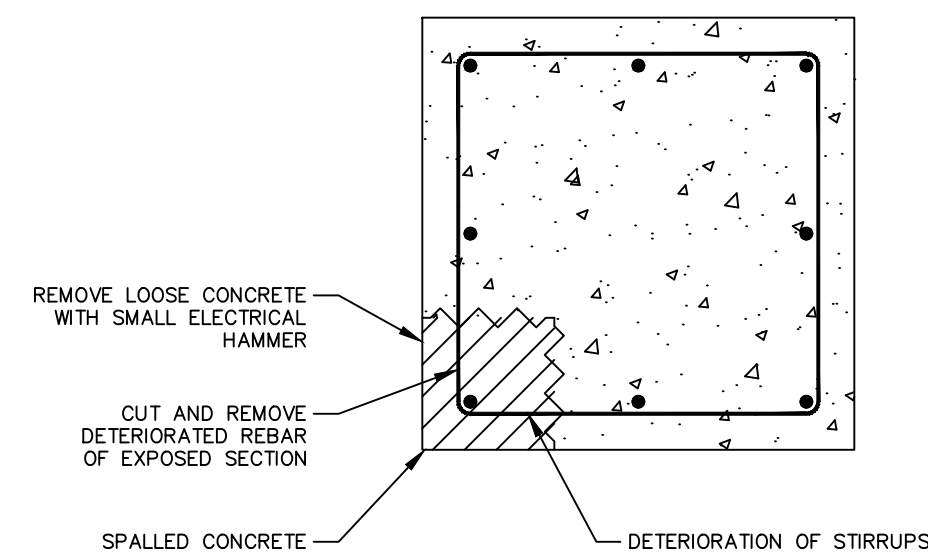
Date: June 25, 2025

Project No. 25016

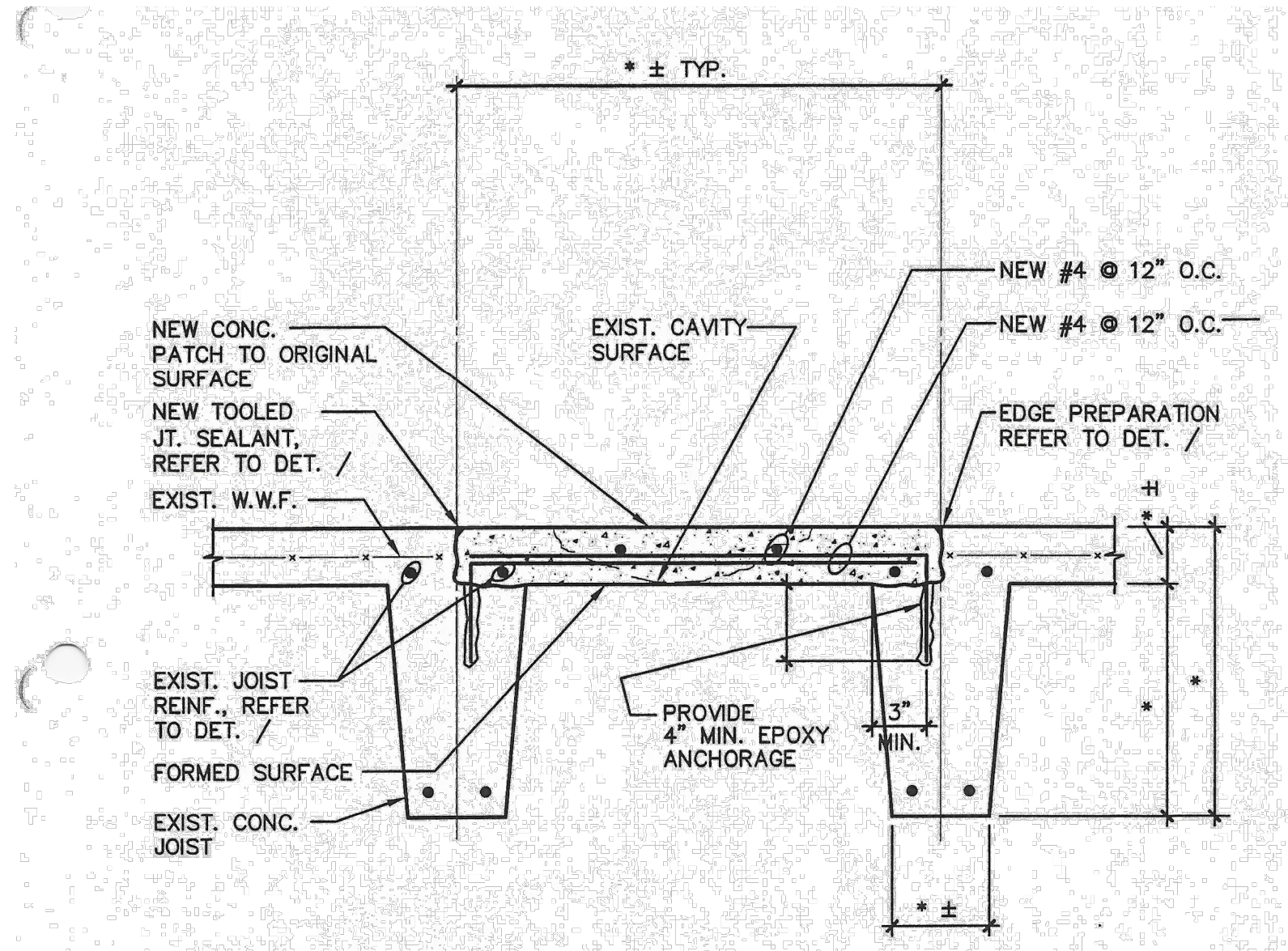




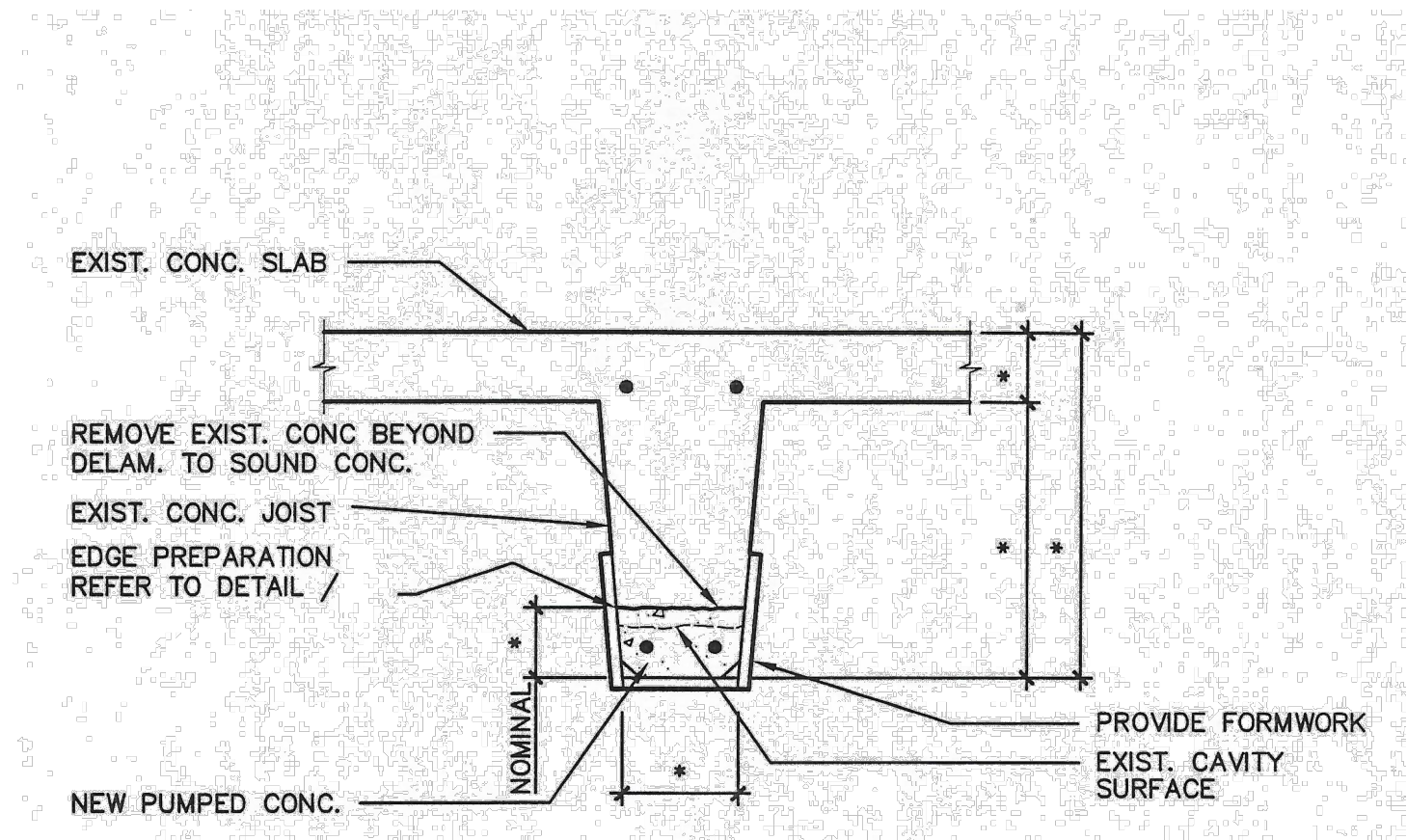
TYPICAL T/FLABNGE REPAIR DETAIL
SCALE: 3/4" = 1'-0"



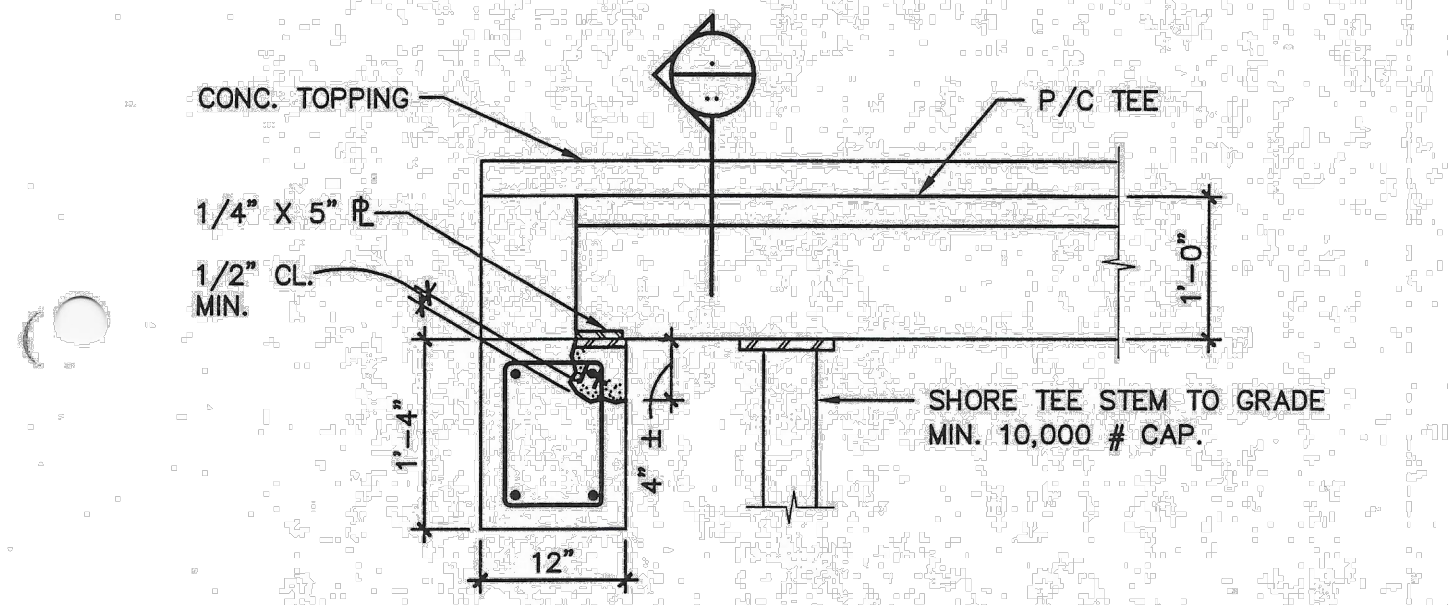
EX. CONDITION COLUMN SPALL REPAIR DETAIL
SCALE: 3/4" = 1'-0"



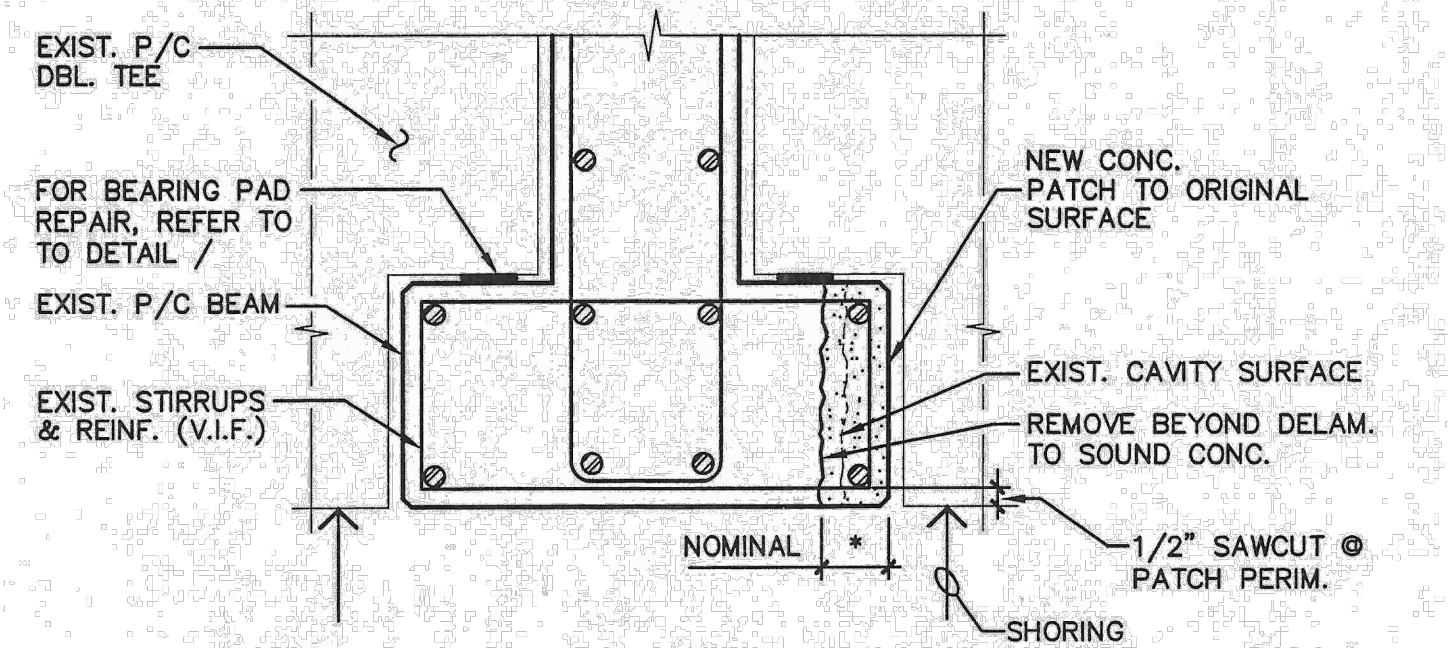
FULL DEPTH FLANGE REPAIR DETAIL
SCALE: 3/4" = 1'-0"



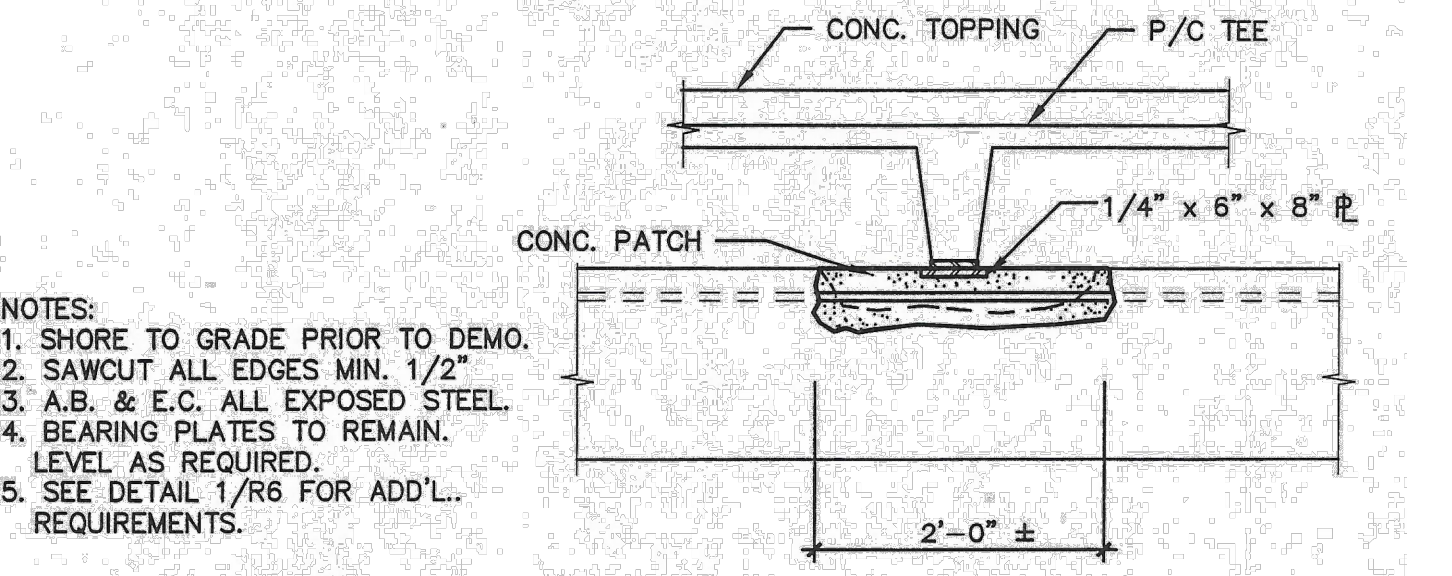
TEE END BEARING REPAIR DETAIL
SCALE: 3/4" = 1'-0"



TEE END BEARING REPAIR DETAIL
SCALE: 3/4" = 1'-0"



INVERTED TEE BEAM REPAIR DETAIL
SCALE: 3/4" = 1'-0"

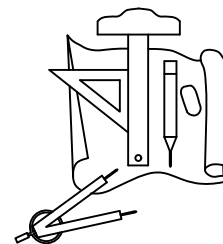


- NOTES:
1. SHORE TO GRADE PRIOR TO DEMO.
 2. SAWCUT ALL EDGES MIN. 1/2"
 3. A.B. & E.C. ALL EXPOSED STEEL
 4. BEARING PLATES TO REMAIN. LEVEL AS REQUIRED.
 5. SEE DETAIL 1/R6 FOR ADD'L. REQUIREMENTS.

INVERTED TEE BEAM REPAIR DETAIL
SCALE: 3/4" = 1'-0"

Churches
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PARKING STRUCTURE REPAIRS FOR
The Primary Health Network

118 Vine Street
Sharon, PA 16146

REPAIR DETAILS

Date: June 25, 2025

Project No. 25016

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