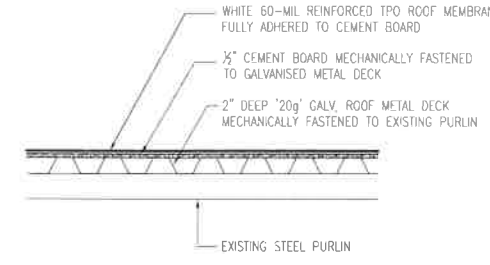


**1**  
S.1  
**ROOF PLAN**  
SCALE: 1/16" = 1'-0"



**2**  
S.1  
**ROOF DETAIL**  
SCALE: 1" = 1'-0"

NOTE:  
TPO ROOF SYSTEM: 60 MIL TPO MEMBRANE FULLY ADHERED TO ROOF DECK. TPO SYSTEM AND ROOF DECK TO RESIST 3-SEC WIND GUSTS UP TO 150 MPH

NOTE:

- CONTRACTOR TO VERIFY EXISTING ROOF AREAS BY MEASURING ROOFS ON SITE & CALCULATING AREAS
- PROPOSED ROOF SYSTEM SHALL PROVIDE A MINIMUM 15 YEAR WARRANTY (FOR TPO SYSTEM)
- PROPOSED ROOF SYSTEM SHALL WITHSTAND UPLIFT FROM 150 MPH 3-SECOND GUST PER BERMUDA BUILDING CODE EXPOSURE CATEGORY D
- CONTRACTOR SHALL SUBMIT ALL DESIGN DETAILS, DRAWINGS, AND MANUFACTURERS INFORMATION REGARDING PROPOSED ROOF SYSTEM TO ENGINEER FOR APPROVAL
- INSTALLATION WORKS SHALL BE PERFORMED PER THE MANUFACTURERS RECOMMENDATIONS.
- CONDITION OF EXISTING SECTIONS HAVE BEEN ASSESSED BY A REGISTERED STRUCTURAL ENGINEER FROM UNDERSIDE OF ROOF. THE TOP OF THE ROOF WAS NOT ACCESSIBLE AT THE TIME OF THE INSPECTION AND SHALL BE CHECKED PRIOR TO CONSTRUCTION AND WHEN ACCESS IS PROVIDED.
- ANY REPLACEMENT STEEL PURLINS SHALL MATCH EXISTING SECTIONS

\* CONTRACTOR TO PROTECT EXISTING GYM FLOOR DURING CONSTRUCTION

**DEMOLITION NOTES**

- ALL EXISTING CONSTRUCTION DAMAGED BY WORK UNDER THIS CONTRACT SHALL BE RESTORED TO MATCH ORIGINAL CONDITION, NEW WORK SUCH AS, BUT NOT LIMITED TO, PATCHING, PAINTING, ETC., SHALL MATCH EXISTING.
- CONTRACTOR SHALL INVESTIGATE FIELD CONDITIONS AND PROVIDE, AS REQUIRED, TEMPORARY SUPPORTS, SHORING AND/OR PROTECTION FOR EXISTING STRUCTURES INVOLVED WITH CONSTRUCTION ACTIVITIES.
- CONTRACTOR IS TO EXERCISE EXTREME CAUTION WHEN WORKING AROUND THE EXISTING BUILDING STRUCTURES, OVERHEAD AND UNDERGROUND UTILITIES AND FOUNDATIONS. NO EXIST FOUNDATION IS TO BE UNDERMINED.
- REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE, UNLESS INDICATED TO BE REMOVED AND SALVAGED OR REMOVED AND REINSTALLED.
- EXISTING TO REMAIN: DEFINES EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED, REMOVED AND SALVAGED, OR REMOVED AND REINSTALLED. PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION. WHEN PERMITTED BY ARCHITECT, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION DURING SELECTIVE DEMOLITION AND CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS AFTER SELECTIVE DEMOLITION OPERATIONS ARE COMPLETE.
- THIS WORK IS TO BE CARRIED OUT BY AN EXPERIENCED FIRM THAT HAS SPECIALIZED IN DEMOLITION WORK SIMILAR IN MATERIAL AND EXTENT TO THAT INDICATED FOR THIS PROJECT.
- THE CONTRACTOR IS TO COMPLY WITH GOVERNING REGULATIONS BEFORE BEGINNING SELECTIVE DEMOLITION, COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
- CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSE WILL BE MAINTAINED BY OWNER AS FAR AS PRACTICAL.
- THE CONTRACTOR IS TO NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND DRAWINGS BEFORE PROCEEDING WITH SELECTIVE DEMOLITION.
- HAZARDOUS MATERIALS:** IT IS NOT EXPECTED THAT HAZARDOUS MATERIALS WILL BE ENCOUNTERED IN THE WORK. IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY ARCHITECT AND OWNER. OWNER WILL REMOVE HAZARDOUS MATERIALS UNDER A SEPARATE CONTRACT.
- STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE IS NOT PERMITTED.
- MAINTAIN FIRE-PROTECTION FACILITIES IN SERVICE DURING SELECTIVE DEMOLITION OPERATIONS.
- CONTRACTOR IS TO SURVEY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED TO DETERMINE EXTENT OF SELECTIVE DEMOLITION REQUIRED.
- WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, THE CONTRACTOR IS INVESTIGATE AND MEASURE THE NATURE AND EXTENT OF CONFLICT. PROMPTLY SUBMIT A WRITTEN REPORT TO ARCHITECT.
- THE CONTRACTOR IS TO ENGAGE A REGISTERED ENGINEER TO SURVEY CONDITION OF STRUCTURE TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF STRUCTURE OR ADJACENT STRUCTURES DURING SELECTIVE DEMOLITION OPERATIONS.
- EXISTING SERVICES/SYSTEMS: CONTRACTOR IS TO MAINTAIN SERVICES/SYSTEMS INDICATED TO REMAIN AND PROTECT THEM AGAINST DAMAGE DURING SELECTIVE DEMOLITION OPERATIONS. LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS SERVING AREAS TO BE SELECTIVELY DEMOLISHED.
- CONTRACTOR IS TO ARRANGE TO SHUT OFF INDICATED UTILITIES WITH UTILITY COMPANIES. IF SERVICES/SYSTEMS ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, BEFORE PROCEEDING WITH SELECTIVE DEMOLITION PROVIDE TEMPORARY SERVICES/SYSTEMS THAT BYPASS AREA OF SELECTIVE DEMOLITION AND THAT MAINTAIN CONTINUITY OF SERVICES/SYSTEMS TO OTHER PARTS OF BUILDING.
- CUT OFF PIPE OR CONDUIT IN WALLS OR PARTITIONS TO BE REMOVED. CAP, VALVE, OR PLUG AND SEAL REMAINING PORTION OF PIPE OR CONDUIT AFTER BYPASSING.
- SITE ACCESS AND TEMPORARY CONTROLS: CONDUCT SELECTIVE DEMOLITION AND DEBRIS-REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
- CONTRACTOR IS TO PROVIDE TEMPORARY BARRICADES AND OTHER PROTECTION REQUIRED TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN.
- CONTRACTOR IS TO PROVIDE AND MAINTAIN SHORING, BRACING, AND STRUCTURAL SUPPORTS AS REQUIRED TO PRESERVE STABILITY AND PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF CONSTRUCTION AND FINISHES TO REMAIN, AND TO PREVENT UNEXPECTED OR UNCONTROLLED MOVEMENT OR COLLAPSE OF CONSTRUCTION BEING DEMOLISHED.

|                                                                                               |                       |                    |
|-----------------------------------------------------------------------------------------------|-----------------------|--------------------|
| OCT, 2017                                                                                     | -                     | ISSUED TO PLANNING |
| DATE                                                                                          | NO:                   | REVISION           |
| <b>BRUNEL</b><br>ENGINEERING CONSULTANTS<br>1 441 297 6151 • info@brunel.net • www.brunel.net |                       |                    |
| <b>PROJECT:</b><br>DELLWOOD MIDDLE SCHOOL<br>GYMNASIUM ROOF COVER<br>REPLACEMENT              |                       |                    |
| <b>TITLE:</b><br>ROOF PLAN                                                                    |                       |                    |
| SCALE: AS SHOWN                                                                               | JOB NO:               | 17-069             |
| DRAWN BY: MK                                                                                  | DRAWING #: <b>S.1</b> |                    |
| DATE: OCT 2017                                                                                |                       |                    |

