

ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO CONSTRUCTION AND MANUFACTURE, AND ANY DISCREPANCIES TO BE REPORTED TO CONTRACT ADMINISTRATOR

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PROPOSED WAREHOUSES AT SCOTIA HOUSE, DUDGEON PARK ROAD, BRORA, SUTHERLAND, KW9 6NA

Drawing Sheet Size

Scale
AS SHOWN

Date **24.07.2015** 

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Blairgowr

NOT FOR CONSTRUCTION

**PLANNING** 

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SECTION A-A + DETAILS &

CONSTRUCTION SPECIFICATION

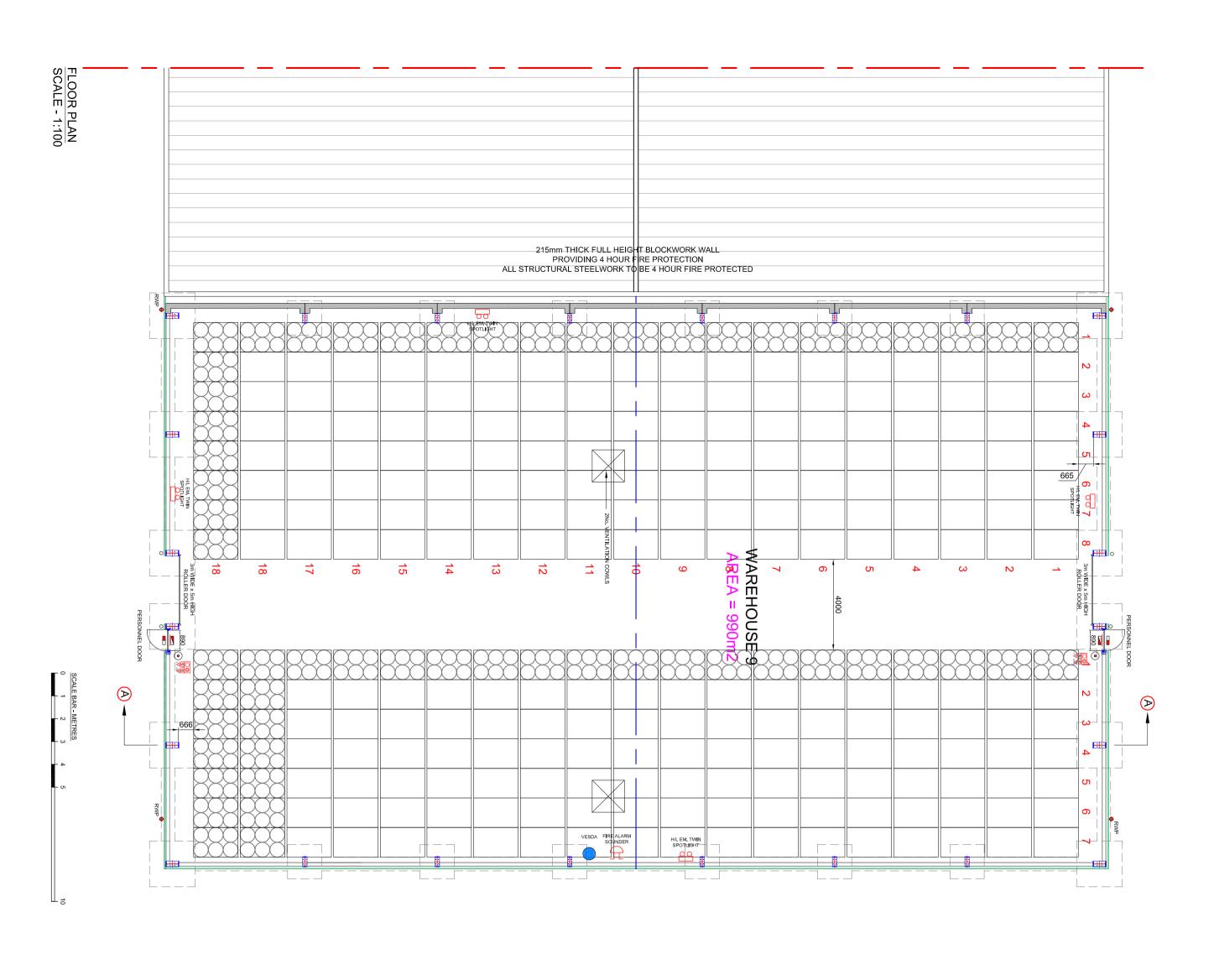
Project Number

PL P15-029 **1**0

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Drawing Title
WAREHOUSE 8 ELEVATIONS,

FOR KINBURN (123) LLP



WHISKY STORAGE WAREHOUSE 9 CONSTRUCTION SPECIFICATION:
GENERAL SPECIFICATION:
SUB-STRUCTURE:
CONCRETE

FIRE SAFETY LEGEND: OO EXIT BOXES

NORRETE

NOR

GENERAL NOTES

1. ALL FOUNDATIONS TO BE AS PER THE STRUCTURAL ENGINEERS DESIGN CALCULATIONS
2. FOUNDATIONS HAVE BEEN DESIGNED USING AN ALLOWABLE BEARING CAPACITY OF 150kN/m2
3. DEPTH OF ALL FOUNDATIONS TO BE AS PER STRUCTURAL ENGINEERS DESIGN & SPECIFICATION
4. ALL REINFORCEMENT IN FOUNDATIONS IS TO BE HIGH YIELD STEEL
5. COVER TO REINFORCEMENT TO BE 40mm U.N.O.
6. MINIMUMUM LAPS FOR REINFORCEMENT TO BE AS NOTED IN BS 8666: 2005

STEELWORK NOTES

1. ALL STEELWORK IS CE MARKED IN ACCORDANCE WITH OUR BS EN 1090-1 ACCREDITATION & ALL WELDING IS CARRIED OUT IN ACCORDANCE WITH THE APPROVED WELDING PROCEDURE

2. ALL STEELWORK TO BE AS PER THE STRUCTURAL ENGINEERS DESIGN CALCULATIONS AND SPECIFICATION

3. ALL STEELWORK TO BE GRADE \$275 TO BS EN 10025 FOR HOT ROLLED SECTIONS AND GRADE \$235 FOR COLD ROLLED HOLLOW SECTIONS

4. ALL WELDS TO BE 60M FULL PROFILE FILLET WELD U.N.O.

5. ALL NUTS, BOLTS & WASHERS TO BE BZP (BRIGHT ZINC PLATED)

6. WHERE NECESSARY FOR ASSEMBLY PURPOSES WELDS TO BE GROUND FLUSH

7. ALL EXTERNAL STEELWORK TO BE GALVANISED TO BS EN ISO 1461 AND SHOULD BE CARRIED OUT BY A MEMBER OF THE STEELWORK GALVANISERS ASSOCIATION. MINIMUM COATING THICKNESS TO BE 85µm DRY FLM THICKNESS (D.F.T.)

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VESDA SMOKE DETECTOR

FIRE ALARM SOUNDER

BREAK GLASS POINT - LOCATED AT EACH EXTERNAL ESCAPE PERSONNEL DOOR

TAMLITE EUROSPOT EMERGENCY TWIN SPOT LIGHT TAMLITE EUROLUX EURO 8NM3 NON-MAINTAINED EXTERNAL EMERGENCY LIGHT

DRAINAGE - GENERAL

1. DRAINAGE TO THE SATISFACTION OF THE LOCAL AUTHORITY
2. ALL SYSTING DRAINS TO BE EXPOSED FOR INSPECTION PRIOR TO THE FORMATION OF THE NEW CONNECTIONS
3. ALL SURFACE WATER CONNECTIONS ARE TO BE MIN. 110mm@
4. DRAINAGE TO BE TESTED AND COMPLY WITH BS EN 1610: 1998
5. MANHOLES TO COMPLY IN ALL RESPECTS WITH THE CURRENT SCOTTISH BUILDING STANDARDS FOR NON-DOMESTIC
6. DRAINS AT ALL VEHICULAR AREAS TO BE LAID WITH 1200mm COVERS & BE 750mm MIN. BELOW GROUND LEVEL.

ALL NEW MANHOLES ARE TO COMPLY WITH BS 8301
ALL NEW MANHOLES ARE TO COMPLY WITH BS 8301
ALL NEW MANHOLES ARE TO COMPLY WITH BS 8301
ALL REDDING MATERIAL TO BE 20mm PEA GRAVEL
WHERE REQUIRED - ANY EXISTING DRAINAGE PIPEWORK UNDER THE NEW BUILDINGS TO BE SUITABLY
PROTECTED BY BEING HAUNCHED IN CONCRETE OR LINTELS PROVIDED IN THE CASE OF PIPEWORK
PASSING THROUGH BASE WALLS
AND, SCUPPERS TO BE PROVIDED PER WAREHOUSE
ALL NEW BUILDINGS WILL BE LINKED TO THE EXISTING DRY DRAINAGE SYSTEM ON-SITE WHICH
COLLECTS ANY LIQUIDS FROM THE WAREHOUSES & DISCHARGES INTO THE EXISTING SUDS SYSTEM

FOUL WATER DRAINAGE 1. NO FOUL DRAINAGE CREATED BY PRO

HEATING + VENTILATION

1. PROPOSED DEVELOPMENT TO BE UNHEATED

2. CACH STORAGE WARREHOUSE TO HAVE 3No. OR 2No. (WHERE APPLICABLE) WEATHERFORM RA 800

1. HORIZONTAL NATURAL VENTILATION ROOF COWLS

3. ALL NATURAL VENTILATION TO BE IN ACCORDANCE WITH THE CURRENT CIBS AM10: 2005 AND THE VENTILATION IN NON-DOMESTIC BUILDINGS (2005) APPLICATIONS MANUAL AM10: 2005 AND THE CURRENT SBSA TECHNICAL HANDBOOK - NON-DOMESTIC - ENVIRONMENT - 3.14.2

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TAMLITE EUROLUX EURO BX8M3 3 HOUR MAINTAINED INDOOR EMERGENCY LIGHT WITH RUNNING MAN OR EQUIVALENT

FIRE ESCAPE SIGNAGE - PROGRESS FORWARD (AND THROUGH) FROM HERE

FIRE EXTINGUISER - WATER 9 LITRES

FIRE EXTINGUISHER - CARBON DIOXIDE 2.5 LITRES

STAFF FIRE EXIT SIGNAGE FIRE EXIT 'KEEP CLEAR' SIGNAGE

SURFACE WATER DRAINAGE

1. NUMBER OF DOWNPIPES REQUIRED & ALL DOWNPIPE DIMENSIONS TO BE AS PER THE DRAINAGE

1. ENGINEERS DESIGN CALCULATIONS AND SPECIFICATION

2. ALL SURFACE WATER PIPEWORK TO DISCHARGE INTO EXISTING SUSTAINABLE URBAN DRAINAGE
(SUDS) ATTENUATION BASIN LOCATION ON-SITE - ENGINEER TO CONFIRM SUITABLE CAPACITY TO
ACCOMMODATE ADDITIONAL LOADING

3. ALL NEW SURFACE WATER DRAINAGE PIPELINES TO HAVE SUITABLE RODDING POINTS AT THE HEAD
OF EACH LINE AS REQUIRED

4. DRAINAGE LAYOUT TO BE CONFIRMED

ELECTRICAL SPECIFICATION

1. ALL ELECTRICAL INSTALLATIONS ARE TO COMPLY WITH BS 7671: 2001, AS AMENDED AND ALSO WITH

1. THE CURRENT SCOTTISH BUILDING STANDARDS TECHNICAL HANDBOOK. NON-DOMESTIC

2. ALL LIGHT FITTINGS TO HAVE AN EFFICIENCY GREATER THAN 65 LUMENS PER CIRCUIT WATT AND TO COMPLY WITH THE SCOTTISH BUILDING STANDARDS TECHNICAL HANDBOOK, NON-DOMESTIC 
SECTION 6 - ENERGY - 6.5.1: ARTIFICIAL LIGHTING

3. ALL ELECTRICAL SOKCET OUTLETS TO BE MOLOWER THAN 450mm FROM FINISHED FLOOR LEVEL ALL ELECTRICAL SWITCHES TO BE MAXIMUM 1200mm HIGH FROM FINISHED FLOOR LEVEL ALL ELECTRICAL SWITCHES TO BE MAXIMUM 1200mm HIGH FROM FINISHED FLOOR LEVEL ALL ELECTRICAL SWITCHES TO BE MAXIMUM 1200mm HIGH FROM FINISHED FLOOR LEVEL ALL ELECTRICAL SWITCHES TO BE MAXIMUM 1200mm HIGH FROM FINISHED FLOOR LEVEL ALL ELECTRICAL SWITCHES TO BE MAXIMUM 1200mm HIGH FROM FINISHED FLOOR LEVEL ALL ELECTRICAL SWITCHES TO BE MAXIMUM 1200mm HIGH FROM FINISHED FLOOR LEVEL ALL ELECTRICAL SWITCHES TO BE MAXIMUM 1200mm HIGH FROM FINISHED FLOOR LEVEL ALL ELECTRICAL SWITCHES TO BE MAXIMUM 1200mm HIGH FROM FINISHED FLOOR LEVEL ALL ELECTRICAL SWITCHES TO BE MAXIMUM 1200mm HIGH FROM FINISHED FLOOR LEVEL ALL ELECTRICAL SWITCHES TO BE MAXIMUM 1200mm HIGH FROM FINISHED FLOOR LEVEL ALL ELECTRICAL SWITCHES TO BE MAXIMUM 1200mm HIGH FROM FINISHED FLOOR LEVEL ALL ELECTRICAL SWITCHES TO BE MAXIMUM 1200mm HIGH FROM FINISHED FLOOR LEVEL ALL ELECTRICAL SWITCHES TO BE MAXIMUM 1200mm HIGH FROM FINISHED FLOOR LEVEL ALL ELECTRICAL SWITCHES TO BE MAXIMUM 1200mm HIGH FROM FINISHED FLOOR LEVEL ALL ELECTRICAL INSTALLATIONS TO BE ATEX ZONE 2 APPROVED

FIRE PROTECTION

1. ALL OF THE FOLLOWING INFORMATION TO BE IN ACCORDANCE WITH THE CURRENT SCOTTISH BUILDING STANDARDS TECHNICAL HANDBOOK - NON-DOMESTIC - SECTION 2 - FIRE

STANDARD 2.12 - FIRE SERVICE ACCESS: & STANDARD 2.13 - FIRE FIGHTING WATER SUPPLY DRAWMOS TO BE SENT TO THE SCOTTISH FIRE & RESCUE SERVICE FOR APPROVAL OF THE EXISTING FIRE SERVICE ACCESS AND EXISTING FIRE FIGHTING WATER SUPPLIES AT THE PROPOSED SITE - ADDITIONAL PROVISIONS TO BE INSTALLED IF REQUIRED

ALL HRE EXIT DOORS ARE TO BE PROVIDED WITH "KEEP CLOSED" SIGNAGE
ALL HRE EXIT DOORS ARE TO BE READILY OPERABLE FROM WITHIN THE BUILDING
ALL EXIT DOORS ARE TO BE READILY OPERABLE FROM WITHIN THE BUILDING
ALL POSITIONS OF THE KEW ILLUMINATED EXIT SIGNS (BOTH INTERNAL & EXTERNAL) ARE
TO BE CONFIRMED ON-SITE PRIOR TO INSTALLATION
ALL EMERGENCY LIGHTING ARE TO BE INSTALLED TO BS 5266 PART 1, 1998
ALL OF THE BRERGERCY EXITS ARE TO COMPLY WITH BS 5499 PART 1, 1990
ALL OF THE FIRE FIGHTING APPLIANCES ARE TO BE FITTED IN COMPLIANCE WITH BS EN AND SITED WITHIN THE PREMISES TO BS 5306 PART 8, 2003
AND SITED WITHIN THE PREMISES TO BS 5306 PART 8, 2003
VESDA SMOKE DETECTION SYSTEM TO BE INSTALLED IN EACH WARREHOUSE AREA

GENERAL NOTES:

1. ALL TOP SOIL / VEGETABLE MATTER WILL BE REMOVED FROM THE FOOTPRINT OF THE BUILDING AND THE SITE THEN PREPARED IN ORDER, SO THAT NO FURTHER GROWTH OF ANY KIND WOULD DAMAGE THE BUILDING.

2. WITH REGARDS TO ACCESSIBILITY AROUND THE SITE, WE CAN CONFIRM THAT STRICTLY NO UNAUTHORISED PERSONNEL WILL BE ALLOWED ON SITE. THE SITE IS TO HAVE ONLY ONE PRINCIPAL ENTRANCE WHICH ALL STAFF, VISITORS AND DELIVERIES ARE TO USE. ALL PERSONS REGARDLESS OF WHETHER STAFF OR VISITORS, MUST REPORT TO THE WELFARE BUILDING IN ORDER TO "SIGN IN" BEFORE ACCESS CAN BE GRAVITED. ALL VISITORS WILL BE ACCOMPANIED AROUND THE SITE AND WILL BE SUPERVISED AT ALL TIMES

3. ACCESS ROUTE TO THE REAR OF THE NEW WARREHOUSES 1-5 TO BE 2m WIDE CONCRETE ROADWAY - CONCRETE TO BE 150mm THICK AND REINFORCED ACCORDINGLY TO ACCOMMODATE LOADED FORKLIFT MACHINERY

4. 2m WIDE CONCRETE ROUTE FOR FORKLIFT ACCESS TO BE PROVIDED TO BOTH SIDES OF ALL NEW WARREHOUSES - ALL NEW CONCRETE ROUTE FOR FORKLIFT ACCESS TO BE PROVIDED TO BOTH SIDES OF ALL NEW BE DETERMINED ON-SITE

NOT FOR CONSTRUCTION

**PLANNING** 

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Drawing Sheet Size	Scale	Date
A1	AS SHOWN	24.07.2015

PROPOSED WAREHOUSES AT SCOTIA HOUSE, DUDGEON PARK ROAD, BRORA, SUTHERLAND, KW9 6NA FOR KINBURN (123) LLP

Drawing Title
WAREHOUSE 9 FLOOR PLAN &

Project Number GENERAL CONSTRUCTION SPECIFICATION

PL P15-029 ving Numbe  $\triangleright$ 

## 10289 F.G.L. TO RIDGE SECTION A-A SCALE - 1:100 6430 F.F.L. TO EAVES NORTH ELEVATION SCALE - 1:100 WEST ELEVATION SCALE - 1:100 EAST ELEVATION SCALE - 1:100 ROOF CLADDING TO BE 40mm THICK COMPOSITE INSULATED ROOF PANELS COLOUR - T.B.C. 1No. 1020mm x 2110mm HIGH PERSONNEL / EMERGENCY ESC COLOUR - T.B.C. WALL CLADDING TO BE 40mm THICK - COMPOSITE INSULATED WALL PANELS COLOUR - T.B.C. CONCRETE FLOOR TO HAVE POLISH FINISH WAREHOUSE 9 WALL CLADDING TO BE 40mm THICK COMPOSITE INSULATED WALL PANEL COLOUR - T.B.C. WALL CLADDING TO BE 40mm THICK COMPOSITE INSULATED WALL PANEL COLOUR - T.B.C. 3No. WEATHERFORM RA 800 LOW PROFILE - HORIZONTAL NATURAL VENTILATION UNITS PER STORAGE WAREHOUSE COLOUR GOOSEWING GREY - BS 10405 3No. WEATHERFORM RA 800 LOW PROFILE HORIZONTAL NATURAL VENTILATION UNITS PER STORAGE WAREHOUSE COLOUR GOOSEWING GREY - BS 10405 1No. 1020mm x 2100mm HIGH — PERSONNEL / EMERGENCY ES COLOUR - T.B.C. SCALE BAR - METRES 0 1 2 3 ROOF CLADDING TO BE 40mm THICK - COMPOSITE INSULATED ROOF PANELS COLOUR - T.B.C. 1. 10° ROOF PITCH 1. 10° ROOF PITCH 2. ROOF CLADDING TO BE KINGSPAN KS1000 RW 40mm THICK COMPOSITE INSULATED 2. ROOF PANELS OR EQUIVALENT (REFER TO ENCLOSED LITERATURE) - U-VALUE: 0.46Wm/2K 3. ROOF PANELS OR EQUIVALENT (REFER TO ENCLOSED LITERATURE) - U-VALUE: 0.46Wm/2K 4. ROOF CLADDING COLOUR TO BE DETERMINED BY HIGHLAND COUNCIL 5. STEEL AND ALUMINIUM OUTER AND INNER FACINGS HAVE CLASS 0.05PFACE SPREAD OF FLAME TO 5. STEEL AND ALUMINIUM OUTER AND INNER FACINGS HAVE CLASS 0.05PFACE SPREAD OF FLAME TO 5. STEEL AND ALUMINIUM OUTER AND INNER FACINGS HAVE CLASS 0.05PFACE SPREAD OF FLAME TO 5. STEEL AND ALUMINIUM OUTER AND INNER CLASS 0.05 DEFINED BY THE SCOTTISH BUILDING 6. TRIMS AND FLASHINGS COLOUR TO BE DETERMINED BY HIGHLAND COUNCIL 7. GALVANISED STEEL 72 SECTION ROOF PURLINS - REF: 171/16 8. SUITABLE "ROOF LOADING" WARNING SIGNS SHALL BE DISPLAYED ACCORDINGLY AROUND THE PERIMETER OF THE BUILDING ON BACH BLEVATION IN ACCORDANCE WITH BS 5498; PART 5: 2002 9. AS PER SAFETY SECTION: 4.8.7. ROOF ACCESS IN THE CURRENT SCOTTISH BUILDING STANDARDS 1 TECHNICAL HANDBOOK FOR NON-DOMESTIC, ACCESS TO THE ROOF WILL BE ON A VERY INFREQUENT BASIS AND THAT A TEMPORARY SCAFFOLD IS TO BE ERECTED OR A MECHANICAL CHERRY PICKER WITH PLATFORM TO BE USED IN ACCORDANCE WITH THE GUIDANCE IN HSE PUBLICATIONS FLOOR 1. 175mm THCK RC 35 CONCRETE SLAB LAID IN PANELS AND PROVIDED WITH MOVEMENT JOINTS TO FORM 25mm EXPANSION JOINT AROUND THE PERIMETER OF FLOOR SLAB - FLOOR SLAB LOADING CAPACITY TO BE 50KM/m2 2. CONCRETE FLOOR TO HAVE POLISH FINISH 3. ONE LAYER OF A252 MESH REINFORCEMENT WITH 40mm COVER 4. 1200 GAUGE VISQEEN POLYTHENE DPM OVERLAPPED AT ALL JOINTS AND TURNED UP NEXT TO WALLS 5. 200mm THCK CONSOLIDATED HARDCORE BLINDED ON TOP WITH 20mm THCK SAND EXTERNAL WALLS 1. ALL ELEVATIONS WALL CLADDING TO BE KINGSPAN KS1000RW 40mm THICK COMPOSIT 1. NISULATED WALL PANELS OR EQUIVALENT - U-VALUE: 0.46W/m2K 2. WALL CLADDING COLOUR TO BE DETERMINED BY HIGHLAND COUNCIL 3. ALL WALL TRIMS AND FLASHINGS COLOUR TO BE DETERMINED BY HIGHLAND COUNCIL 4. GALVANISED STEEL Z SHEETING RAILS (BUTT JOINTED) WHISKY STORAGE WAREHOUSE 9 CONSTRUCTION SPECIFICATION : INTERNAL DIVISION WALL BETWEEN STORAGE WAREHOUSES 1. 215mm THICK FULL HEIGHT BLOCKWORK WALL TO BE BUILT BETWEEN EXISTING BUILDING AND NEW WAREHOUSE TO PROVIDE MINIMUM 4 HOUR FIRE PROTECTION - STEELWORK NOT REQUIRED TO BE FIRE PROTECTED AS BLOCKWORK PROVIDES FULL SEPARATION BASE WALLS 1. 140mm THICK BLOCKWORK BASE WALLS SET ON CONCRETE STRIP FOUNDATIONS AS PER STRUCTURAL ENGINEERS DESIGN CALCUALTIONS 2. ALL BASE WALLS TO BE 675mm HIGH FROM TOP OF FOUNDATIONS (3No. COURSE HIGH) ORS 2No. 1020mm x 2100mm HIGH PERSONNEL FIRE ESCAPE DOORS - U-VALUE: 1.6W/m2K 2No. 3000mm x 5000mm HIGH ROLLER DOORS - MANUALLY OPERATED PERSONNEL DOORS TO BE COLOUR TO BE DETERMINED BY HIGHLAND COUNCIL ROLLER DOORS TO BE COLOUR TO BE DETERMINED BY HIGHLAND COUNCIL ROLLER DOORS TO HAVE GALVANISED FINISH EXTERNAL PERSONNEL FIRE ESCAPE DOORS TO BE FITTED WITH NON-MAINTAINED EMERGENCY LIGHTING INSIDE AND OUTSIDE OF DOOR ALL EXTERNAL PERSONNEL DOORS TO OPEN ONTO LEVEL PLATT - 1200mm2 MIN. ALL EXTERNAL PERSONNEL DOORS TO BE FITTED WITH INTERNAL THUMB TURN ESCAPE IRONMONGERY - HANDLE OPERATION ESCAPE SIGNAGE TO BE PROVIDED TO ALL EXTERNAL ESCAPE DOORS ALL EXTERNAL ESCAPE DOORS HAVE CLEAR WIDTH OF 890mm WEST ELEVATION PERSONNEL DOORS TO BE 1 HOUR FIRE RATED AND BE FITTED WITH SELF-CLOSER m THICK COMPOSITE C35 MASS CONCRETE FOUNDATION TO ENGINE SPECIFICATION

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## NOT FOR CONSTRUCTION **PLANNING**

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Drawn By	Chocked By

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A1 AS SHOWN 24.07.2018	AS SHOWN	24.07.2015

Project Title
PROPOSED WAREHOUSES AT
SCOTIA HOUSE, DUDGEON PARK ROAD,
BRORA, SUTHERLAND, KW9 6NA
FOR KINBURN (123) LLP

SECTION A-A + DETAILS & CONSTRUCTION SPECIFICATION ELEVATIONS,

Drawing Title
WAREHOUSE 9

P15-029 Project Number

P 12

NOTE:

NO SOUTH ELEVATION DISPLAYED - ELEVATION NOT VISIBLE DUE TO EXISTING BUILDING

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